SAGE-II Annual Report

Publications: (major publications resulting from the work under the award)

EarthScope operates the NSF Seismological Facility for the Advancement of Geoscience, or SAGE, which is a university research consortium dedicated to exploring the Earth's interior and earthquake processes through the collection and distribution of seismological data. SAGE plays an important supporting role in scientific research, reflected through citations in publications of research papers and abstracts. The existing database of publications based on the use of SAGE-funded resources has more than 9,700 entries from 2014 until present.

To maintain continuity while searching journals and procuring citations, the processes and procedures used since 2014 were followed closely and improved upon where applicable. These procedures and data findings are outlined below.

Citations Summary – Calendar Year 2023

Between January 1, 2024 and December 31, 2024, there were 763 references to SAGE-related data or products in published scientific literature. This includes 542 references in top journals (Top 11 and 26 others) and 221 references in additional journals and books. We did not compile citations for conference proceedings, theses, or dissertations this year, but typically, those number around 200 citations.

Searching for SAGE Citations from 2024

The 11 most prominent Earth science journals were given priority while searching. These journals are:

- *Bulletin of Seismological Society of America (BSSA)*
- *Journal of Geophysical Research (JGR)*
- *Geophysical Journal International (GJI)*
- *Seismological Research Letters (SRL)*
- *Geophysical Research Letters (GRL)*
- *Earth and Planetary Science Letters (EPSL)*
- *Physics of the Earth and Planetary Interior (PEPI)*
- *Tectonophysics (TP)*
- *Nature and related journals*
- *Science and related journals*
- *Geology*

The journals were searched for the following key words:

- *IRIS*
- *Incorporated Research Institutions for Seismology*
- *SCARDEC*
- *USArray*

- *PASSCAL*
- *DMC*
- *DMS*
- *Data Management Center*
- *Global Seismographic Network (and Global Seismic Network)*
- *GSN*
- *GDSN*
- *Seismological Facility for the Advancement of Geoscience*
- *EarthScope*
- *Transportable Array (TA)*
- *Magnetotellurics*
- *Flexible Array*
- *Greenland Ice Sheet Monitoring Network (GLISN)*
- *www.iris.edu and ds.iris.edu*
- *SAGE*

All searches were carried out electronically with different search engines for journals as follows:

- The Wiley search engine was used for American Geophysical Unions publications (*Journal of Geophysical Research* and *Geophysical Research Letters*)
- The GeoScienceWorld search engine was used for publications of the Seismological Society of America (*Bulletin of Seismological Society of America* and *Seismological Research Letters*) and publications of the Geological Society of America (*Geology*).
- The ScienceDirect search engine was used for Elsevier publications (*Earth and Planetary Science Letters*, *Physics of the Earth and Planetary Interiors*, and *Tectonophysics*). A secondary Google Scholar search was required.
- *Geophysical Journal International* was searched with the journal's search engine.
- *Nature* and *Science* have their own search engines on their respective web pages.

Most of these search engines are capable of a full-text search, which often brings up unrelated documents as well as the intended SAGE research results. To cull unrelated references, the initial search results were individually examined using the "find" function for the appropriate keyword. If the document was relevant, it was marked and exported into the database using Zotero.

The distribution of findings are as follows:

Table 1. Total number of citations in the Top 11 journals.

No.	Journal	Jan 2023 - Dec 2023
1	Bulletin of the Seismological Society of America	43
2	Journal of Geophysical Research (all subjournals)	95
3	Geophysical Journal International	88

4	Geophysical Research Letters	51
5	Earth and Planetary Science Letters	25
6	Seismological Research Letters	78
7	Physics of the Earth and Planetary Interiors	8
8	Tectonophysics	18
9	Science (and related journals)	10
10	Nature (and related journals)	37
11	Geology	6
	TOTAL	**459**

There was a slight decrease in the total number of citations found in these journals in 2024 compared to calendar year 2023, with 503 citations in 2023 and 459 citations in 2024. Since the inception of the SAGE citations database in 2000, the number of SAGE-related citations in these journals has typically increased (Figure 1), although there are occasional decreases like this year. An important reason for the decrease in 2024 is a change in how we count citations from SRL and BSSA. Instead of counting citations that are published in the print version of these journals in a given year, we are using the online publication date. This aligns us with how the journals issue citations for each article.

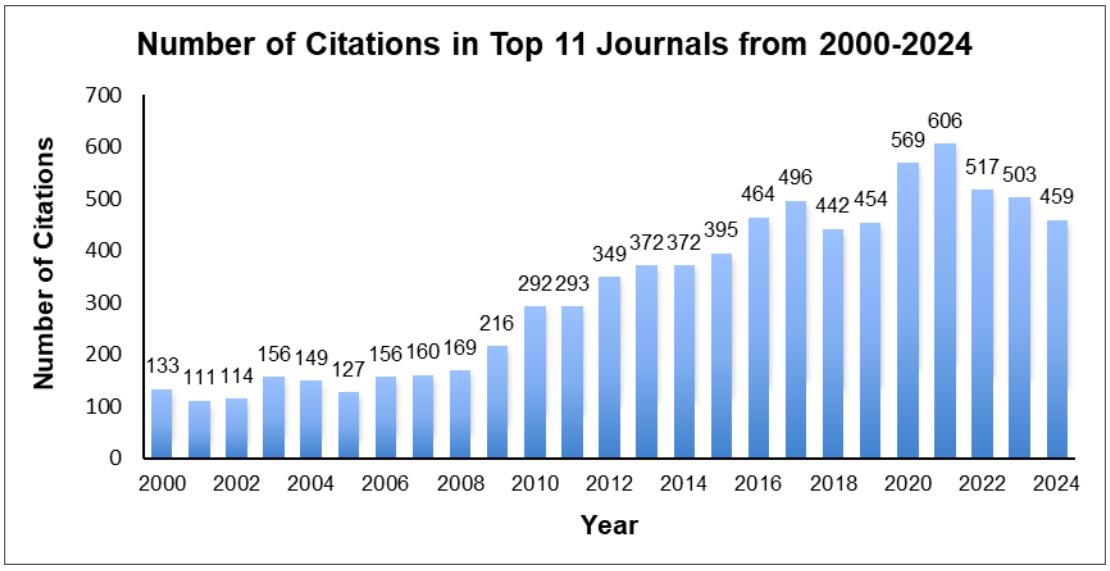

Figure 1. Total number of SAGE-related citations in the 11 most prominent earth science journals since the inception of the database in 2000. The number above each bar is the total number of citations in the Top 11 journals for that year.

This year, there were fewer SAGE-related publications in *GJI, GRL, EPSL, Tectonophysics,*

Science and related, and *Geology*. Refer to Figure 2 to see a direct comparison of the number of citations in each journal for the last two calendar years.

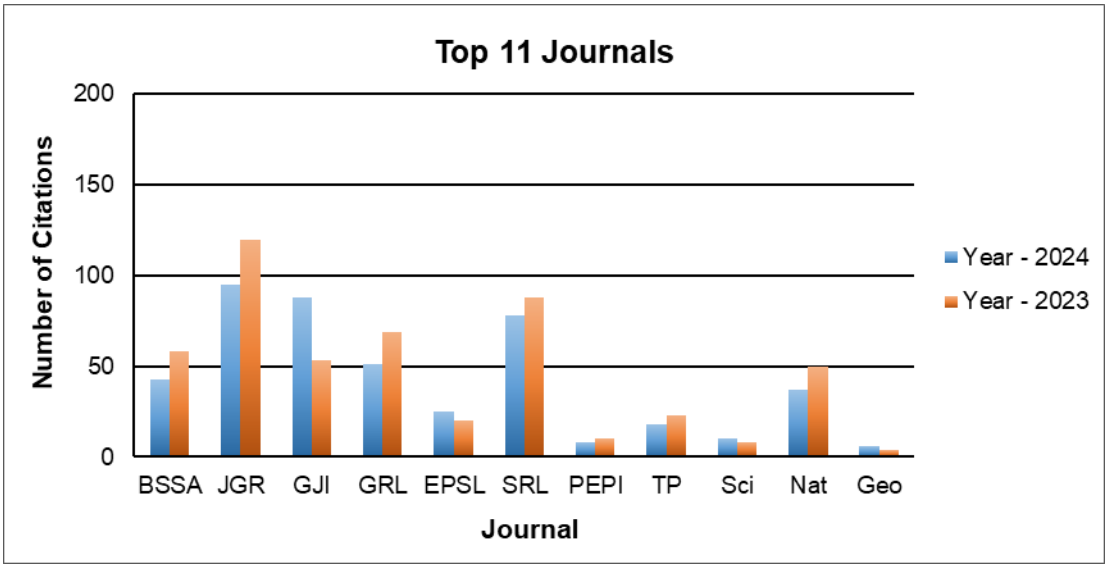

Figure 2. Number of publications in the Top 11 journals during calendar years 2023 and 2024.

Searching for SAGE-related Citations in Other Important Earth Science Journals

EarthScope promotes continuous geophysical investigations of seismic sources and Earth properties through its facilities and allows free and unrestricted access to its seismic database, which is one of the largest in the world. Researchers around the world use the EarthScope/SAGE database to explore the lithosphere, cryosphere, atmosphere, hydrosphere and deep Earth in unprecedented ways. The types of scientific findings aided by SAGE facilities are extremely varied, and this is reflected in the number and type of journals that cite SAGE data, instruments, and facilities. Given the importance of some of these journals, their impact factor and effectiveness citation index, 26 other Earth science publications have been regularly searched for SAGE-related citations. These journals are:

- *Canadian Journal of Earth Sciences*
- *Geophysics*
- *The Leading Edge*
- *Reviews of Geophysics*
- *Tectonics*
- *Polar Science*
- *Journal of Glaciology*
- *Marine Geophysical Research*
- *Lithosphere*
- *Natural Hazards and Earth System Sciences*
- *Journal of Structural Geology*
- *Natural Hazards*
- *Geochemistry, Geophysics, Geosystems*
- *Soil Dynamics and Earthquake Engineering*
- *Russian Journal of Pacific Geology*
- *Journal of Volcanology and Geothermal Research*
- *Marine Geology*
- *Geomorphology*

- *Journal of Geodynamics*
- *Geosphere*
- *Journal of Volcanology and Seismology*
- *Seismic Instruments*
- *Pure and Applied Geophysics*
- *Chinese Journal of Geophysics*
- *Journal of Seismology*
- *Eos*

Note: Due to changes in publishing since the 2019 report, three of the previously searched other journals have been removed from this list.

- *Earth Surface* is part of the Top 11 journal *Journal of Geophysical Research*.
- *Nature Geoscience/Nature Communication* was combined with the Top 11 journal *Nature.*
- *Journal of Earthquake Science* is no longer published and was removed. This journal is not the same as *Earthquake Science*, which began publication in 2020 and is included in Table 3.

The number of citations for each of these other journals for the calendar years 2015 - 2024 are presented in Table 2.

Table 2. Number of citations found in 26 other important journals.

Journal	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Canadian Journal of Earth Sciences	1	3	1	3	0	0	0	0	1	6
Geophysics	1	10	1	1	1	3	1	4	8	2
The Leading Edge	0	1	1	2	0	1	0	2	0	1
Reviews of Geophysics	4	2	2	0	1	1	0	2	0	1
Tectonics	4	3	7	5	7	14	12	4	3	4
Polar Science	0	0	0	2	0	1	0	0	0	0
Marine Geophysical Research	1	0	4	0	0	2	1	0	0	1
Journal of Glaciology	0	0	1	2	0	3	1	2	1	2
Lithosphere	2	0	8	3	2	1	1	4	1	2
Journal of Geodynamics	4	3	1	3	3	1	1	3	3	5
Geosphere	3	7	7	8	9	0	1	1	1	1
Journal of Volcanology and Seismology	0	0	1	1	2	2	1	2	1	2

Seismic Instruments	0	0	2	4	4	3	3	8	0	2
Natural Hazards and Earth System Sciences	0	1	0	1	0	2	3	2	2	1
Journal of Structural Geology	5	2	0	0	0	0	0	0	0	1
Natural Hazards	4	1	1	1	3	5	5	4	3	2
Geochemistry, Geophysics, Geosystems	28	22	12	21	33	34	39	26	26	13
Soil Dynamics and Earthquake Engineering	0	2	1	5	0	0	1	1	5	2
Russian Journal of Pacific Geology	0	0	0	3	0	0	0	0	0	0
Journal of Volcanology and Geothermal Research	8	3	2	7	4	3	9	8	5	3
Marine Geology	2	0	0	1	0	0	1	0	0	1
Geomorphology	1	0	0	0	1	0	0	1	1	0
Pure and Applied Geophysics	12	9	4	13	16	30	15	11	8	10
Chinese Journal of Geophysics	0	6	5	2	0	1	0	1	1	14
Journal of Seismology	0	2	3	13	11	4	11	10	11	6
Eos	4	0	0	5	8	6	5	5	1	1
Top 26 (formerly 29) Journals	**88**	**85**	**68**	**119**	**105**	**117**	**111**	**101**	**82**	**83**

The total number of citations found in these journals in 2023 is slightly higher than what was found the previous year (Figure 3).

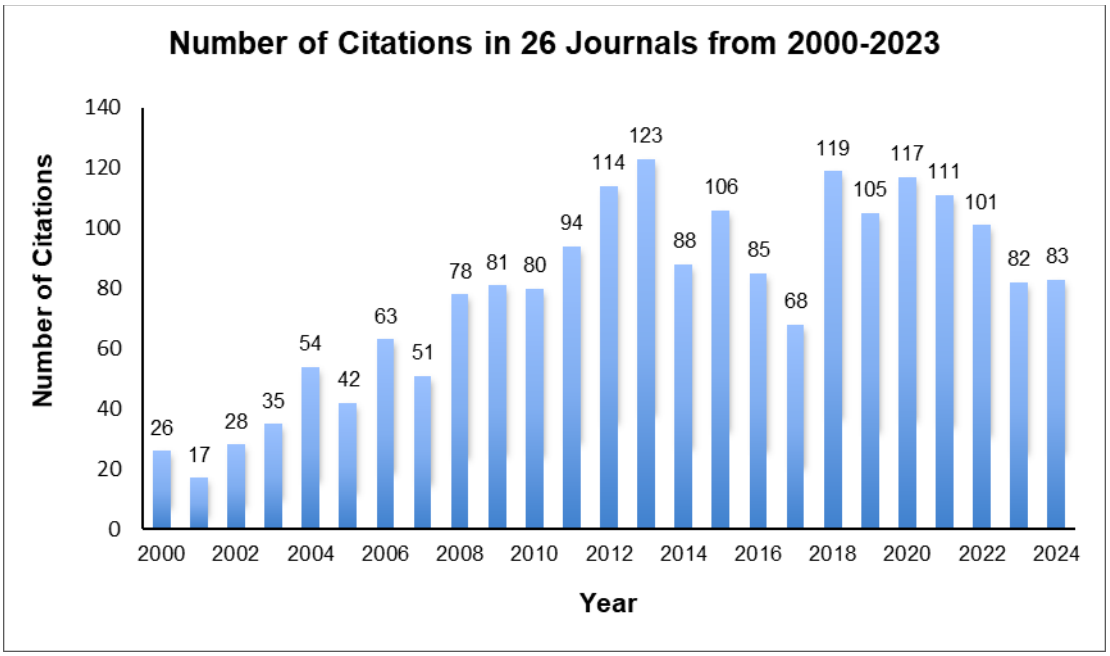

Figure 3. Graph showing the number of citations per year in the 26 journals that were also individually searched (formerly 29 journals). The number above each bar is the number of citations for that year.

Searching for SAGE Citations in Other Journals

As the application of SAGE facilities expands into new realms (e.g., rapid response, distributed acoustic sensing, and weather-related applications), citations in journals that were previously not relevant to SAGE-related research are expected. Additionally, unexpected and novel uses of the data and facilities are creating an exciting body of work outside of the traditional Earth science journals. Occasionally, books and book chapters that include SAGE data are found using our search methods.

In years past, to explore the use of SAGE data and products in journals and books outside of the traditional Earth science sphere and to show the breadth of data usage, a generalized search was done on the aforementioned search terms using Google Scholar and Web of Science. This functionality became possible for SAGE in 2014. Each year, this search uncovers more journals that did not previously feature SAGE-related research, demonstrating the diverse applications of the data collected and provided by SAGE facilities. These journals cover a diverse range of subjects, including acoustics and radio, engineering, computer science, law, planetary science, meteorology, marine science, petroleum geology, and education.

However, as the list of journals grows, this style of search has become inefficient. Instead, we chose to use publisher search engines for each search term. We used Google Scholar when publisher search engines failed to unearth citations. Using this method, we found 221 citations in these miscellaneous journals, which is slightly higher than the 219 citations found in 2022 (Table 3). Because citations aren't found in every journal every year, we only show the data from 2024.

Table 3. Additional journals and total number of SAGE-related citations in each.

Other Journals	2023
Acta Geodetic et Geophysica	1
Acta Geophysica	3
Advances in Space Research	1
AGU Advances	4
Annual Review of Earth and Planetary Sciences	2
Applied Computing and Geosciences	1
Applied Geophysics	1
Applied Sciences	1
Arabian Journal of Geosciences	1
Bulletin of Earthquake Engineering	3
Bulletin of Engineering Geology and Environment	1
Bulletin of Volcanology	5
Computers & Geosciences	2
Connected Science Learning	1
Earth	1
Earth and Planetary Physics	1
Earth and Space Science	7
Earth System Dynamics	1
Earth System Science Data	3

Earth, Planets, and Space	3
Earth’s Future	2
Earthquake Research Advances	5
Earthquake Science	5
Earthquake Spectra	9
Elements	1
Energies	1
Energies & Fuels	1
Fractal and Fractional	1
Frontiers in Earth Science	9
Fundamental Research	1
Future Internet	1
Geodesy and Geodynamics	1
Geomatica	1
Geomatics, Natural Hazards and Risk	2
Geoscience Letters	2
Geosciences	2
Geoscience Journal	2
Geotechnical and Geological Engineering	1
Geothermal Energy	1
Geothermics	1
Gondwana Research	2
GSA Bulletin	2

Icarus	1
IEEE Transactions on Geoscience and Remote Sensing	1
Innovative Infrastructure Solutions	1
International Journal of Greenhouse Gas Control	1
Izvestiya, Physics of the Solid Earth	6
Journal of African Earth Sciences	1
Journal of Applied Geophysics	1
Journal of Asian Earth Sciences	3
Journal of Earth Science	1
Journal of Earth System Science	4
Journal of Geodesy	2
Journal of Geoscience Education	1
Journal of Hydrology	1
Journal of Lightwave Technology	1
Journal of Marine Science and Engineering	1
Journal of South American Earth Sciences	6
Machine Learning Applications in Civil Engineering (book)	1
Minerals	1
Noisy Oceans (book)	1
Npj Natural Hazards	1
Perspectives of Earth and Space Scientists	2
Physical Geography	1

Precambrian Research	1
Proceedings of the National Academy of Sciences	2
Progress in Earth and Planetary Science	1
Progress in Landslide Research and Technology (book)	1
Recent Developments in Earthquake Seismology: Present and Future of Seismological Analysis (book)	1
Regional Geology and Tectonics (Second Edition) (book)	1
Remote Sensing	1
Remote Sensing of Environment	1
Science China Earth Sciences	5
Seismica	22
Sensors	2
Ships and Offshore Structures	1
Solid Earth	1
Space Weather	3
Surveys in Geophysics	1
Tectonics and Seismic Structure of Alaska and Northwestern Canada (book)	22
Temblor	1
The Cryosphere	2
The Indian Ocean and its Role in the Global Climate System (book)	1
The Seismic Record	12

Volcanica	3
Water Resources Research	1
Total	**221**

Findings from 2O24

Between January 1, 2024 and December 31, 2024, there were 763 references to SAGE-related data or products in published scientific literature that we searched. This includes 542 references in top journals (Top 11 and 26 others), and 221 references in additional journals and books. The total number of citations decreased from 2023 to 2024, likely for reasons mentioned above.

The 2024 List of Citations for this SAGE-II Annual Report is provided in Appendix A.

Appendix A

SAGE January – December 2024 Citations

Abbas, A., Yang, H., & Zi, J. (2024). Deciphering the low-frequency seismic signals in the Weiyuan Shale gas field: implications for reservoir and structural heterogeneity. *Geophysical Journal International*, *237*(1), 109–122. https://doi.org/10.1093/gji/ggae032

Abbasi, S., Motaghi, K., Lucente, F. P., & Bianchi, I. (2024). Low-strength shear zone in the western Makran subduction zone, southeastern Iran: insights from a receiver function analysis. *Geophysical Journal International*, *237*(1), 64–74. https://doi.org/10.1093/gji/ggae035

Acquisto, T., Bécel, A., Canales, J. P., & Beaucé, E. (2024). Structural Controls on Megathrust Slip Behavior Inferred From a 3D, Crustal-Scale, P-Wave Velocity Model of the Alaska Peninsula Subduction Zone. *Journal of Geophysical Research: Solid Earth*, *129*(11), e2024JB029632. https://doi.org/10.1029/2024JB029632

Adedeji, O., & Schmandt, B. (2024). Local Detection of Ground Coupled Acoustic Waves with Seismic Arrays and Their Potential Role in the Discrimination of Explosions and Earthquakes. Seismological Research Letters, 95(5), 2910–2924. https://doi.org/10.1785/0220230367

Adimah, N. I., Tan, Y. J., & Russell, J. B. (2024). Shear-wave velocity structure of the Blanco oceanic transform fault zone. *Geophysical Journal International*, *239*(2), 1287–1312. https://doi.org/10.1093/gji/ggae318

Aerts, J. R., & Bilek, S. L. (2024). Characterization of Earthquake Clustering and Swarms in Central New Mexico from 2002–2009 Associated with the Socorro Magma Body. *Bulletin of the Seismological Society of America*. https://doi.org/10.1785/0120240032

Agboola, K. J., Hansen, S. E., Garnero, E. J., Rost, S., Li, M., & Shim, S.-H. (2024). Ultra-Low Velocity Zones Beneath the Southern Hemisphere Imaged With Double-Array Stacking of PcP Waveforms. *Journal of Geophysical Research: Solid Earth*, *129*(4), e2023JB028170. https://doi.org/10.1029/2023JB028170

Ahdi, S. K., Aagaard, B. T., Moschetti, M. P., Parker, G. A., Boyd, O. S., & Stephenson, W. J. (2024). Empirical ground-motion basin response in the California Great Valley, Reno, Nevada, and Portland, Oregon. *Earthquake Spectra*, *40*(2), 1099–1131. https://doi.org/10.1177/87552930241237250

Aimar, M., Foti, S., & Cox, B. R. (2024a). Novel techniques for in situ estimation of shear-wave velocity and damping ratio through MASW testing – I: a beamforming procedure for extracting Rayleigh-wave phase velocity and phase attenuation. *Geophysical Journal International*, *237*(1), 506–524. https://doi.org/10.1093/gji/ggae051

Aimar, M., Foti, S., & Cox, B. R. (2024b). Novel techniques for in situ estimation of shear-wave velocity and damping ratio through MASW testing part II: a Monte Carlo algorithm for the

joint inversion of phase velocity and phase attenuation. *Geophysical Journal International*, *237*(1), 525–539. https://doi.org/10.1093/gji/ggae050

Ajala, R., Kolawole, F., & Menke, W. (2024). Blind magmatism abets nonvolcanic continental rifting. *Communications Earth & Environment*, *5*(1), 1–8. https://doi.org/10.1038/s43247-024-01244-7

Ajourlou, P., Darbyshire, F., Audet, P., & Milne, G. A. (2024). Structure of the crust and upper mantle in Greenland and northeastern Canada: insights from anisotropic Rayleigh-wave tomography. *Geophysical Journal International*, *239*(1), 329–350. https://doi.org/10.1093/gji/ggae269

Akash, A., Shiuly, A., & Sau, D. (2024). Ground motion prediction model for Himalayan region: a comprehensive review. *Acta Geophysica*, *72*(4), 2163–2191. https://doi.org/10.1007/s11600-023-01212-3

Akinci, A., Pitarka, A., Artale Harris, P., De Gori, P., & Buttinelli, M. (2024). Impact of the Earthquake Rupture on Ground-Motion Variability of the 24 August 2016 Mw 6.2 Amatrice, Italy, Earthquake. *Bulletin of the Seismological Society of America*, *114*(6), 2823–2845. https://doi.org/10.1785/0120240002

Akinremi, S., van der Meijde, M., Thomas, C., Afonso, J. C., Ruigrok, E., & Fadel, I. (2024). Waveform Fitting of Receiver Functions for Enhanced Retrieval of Crustal Structure in the Presence of Sediments. *Journal of Geophysical Research: Solid Earth*, *129*(5), e2023JB028393. https://doi.org/10.1029/2023JB028393

Albuquerque, D. F., Rocha, M. P., Iannirubertо, M., França, G. S., Fuck, R. A., de Paulo, M. F., & Aguiar, M. B. (2024). Estimating seismometer component orientation of the Brazilian seismographic network using teleseismic P-wave particle motion analysis and directional statistics. *Journal of South American Earth Sciences*, *134*, 104754. https://doi.org/10.1016/j.jsames.2023.104754

Alfaro-Diaz, R., Kintner, J., Scott Phillips, W., Delbridge, B., & Carmichael, J. (2024). Probabilistic Programming for Transportable Source Characterization and Uncertainty Quantification of the North Korean Nuclear Tests 2006–2017. Seismological Research Letters, 96(1), 406–420. https://doi.org/10.1785/0220240212

Ali, S. M., & Abdelrahman, K. (2024). Analysis of the Fractal Dimension, b-value, Slip Ratio, and Decay Rate of Aftershock Seismicity Following the 6 February 2023 (Mw 7.8 and 7.5) Türkiye Earthquakes. *Fractal and Fractional*, *8*(5), 252. https://doi.org/10.3390/fractalfract8050252

Aljubran, M. J., & Horne, R. N. (2024). Thermal Earth model for the conterminous United States using an interpolative physics-informed graph neural network. *Geothermal Energy*, *12*(1), 25. https://doi.org/10.1186/s40517-024-00304-7

Al-Kaabi, M., Mayeda, K., Roman-Nieves, J., Chiang, A., Mahdi, H., & Al-Shukri, H. (2024). Using a 1D Radially Symmetric Coda Envelope Model for Robust Moment Magnitude

(Mw) Estimation in Iraq's Tectonically Diverse Zones. *Bulletin of the Seismological Society of America*. https://doi.org/10.1785/0120240113

Amaral, C. M., Lamb, A. P., & Dumond, G. (2024). Geophysical characterization of an alkaline-carbonatite complex using gravity and magnetic methods at Magnet Cove, Arkansas, USA. *Tectonophysics*, *893*, 230545. https://doi.org/10.1016/j.tecto.2024.230545

Amashukeli, T., Farfuliak, L., Haniiev, O., & Petrenko, K. (2024). Ukrainian Seismic Network: Current Status and Challenges. Seismological Research Letters, 95(4), 2038–2040. https://doi.org/10.1785/0220230337

Amiri, M., Walpersdorf, A., Mousavi, Z., Khorrami, F., Pathier, E., Samsonov, S. V., Saadat, S. A., Nankali, H. R., & Sedighi, M. (2024). Constraints on the 2013 Saravan intraslab earthquake using permanent GNSS, InSAR and seismic data. *Geophysical Journal International*, *239*(1), 155–172. https://doi.org/10.1093/gji/ggae248

Ammirati, J.-B., Azúa, K., Pastén-Araya, F., Richter, A., Wiens, D. A., Flores, M. C., Ruiz, S., Guzmán-Marín, P., Lanza, F., & Sielfeld, G. (2024). Fault reactivation linked to rapid ice-mass removal from the Southern Patagonian Icefield (48–52°S). *Tectonophysics*, *880*, 230320. https://doi.org/10.1016/j.tecto.2024.230320

Anderson, M. L., Blakely, R. J., Wells, R. E., & Dragovich, J. D. (2024). Deep Structure of Siletzia in the Puget Lowland: Imaging an Obducted Plateau and Accretionary Thrust Belt With Potential Fields. *Tectonics*, *43*(2), e2022TC007720. https://doi.org/10.1029/2022TC007720

Anderson, S., Cunningham, E., Barford, P., Fratta, D., Nissen-Meyer, T., & Wang, H. (2024). Assessing the Expansion of Ground-Motion Sensing Capability in Smart Cities via Internet Fiber-Optic Infrastructure. Seismological Research Letters, 95(6), 3633–3651. https://doi.org/10.1785/0220240049

Andriampenomanana, F., Nyblade, A., Durrheim, R., van der Meijde, M., Paulssen, H., Kwadiba, M., Ntibinyane, O., Titus, N., & Sitali, M. (2024). Coherent Seismic Anisotropy Pattern Across Southern Africa Revealed by Shear Wave Splitting Measurements. *Earth and Space Science*, *11*(5), e2023EA003469. https://doi.org/10.1029/2023EA003469

Ansari, K., Walo, J., Simanjuntak, A. V. H., & Wezka, K. (2024). Crustal deformation from GNSS measurement and earthquake mechanism along Pieniny Klippen Belt, Southern Poland. *Arabian Journal of Geosciences*, *17*(6), 180. https://doi.org/10.1007/s12517-024-11983-8

Anthony, R. E., Leroy, N., Mellors, R., Ringler, A. T., Saul, J., Vallée, M., & Wilson, D. C. (2024). Preface to Focus Section on New Frontiers and Advances in Global Seismology. Seismological Research Letters, 95(3), 1473–1477. https://doi.org/10.1785/0220240092

Aptikaeva, O. I. (2024). The Seismic Quality Factor of the Lithosphere and Seismicity in the Area of the HPP Cascade of the Upper and Middle Reaches of the Vakhsh River. *Seismic Instruments*, *60*(4), 51–61. https://doi.org/10.3103/S0747923925700112

Ardid, A., Dempsey, D., Corry, J., Garrett, O., Lamb, O. D., & Cronin, S. (2024). Multitimescale Template Matching: Discovering Eruption Precursors across Diverse Volcanic Settings. Seismological Research Letters, 95(5), 2611–2621. https://doi.org/10.1785/0220240012

Asplet, J., Wookey, J., Kendall, M., Chapman, M., & Das, R. (2024). Shear-wave attenuation anisotropy: a new constraint on mantle melt near the Main Ethiopian Rift. *Seismica*, *3*(1). https://doi.org/10.26443/seismica.v3i1.1098

Atkins, C., Costa, O., & Caplan-Auerbach, J. (2024). Hydroacoustic Evidence for Offshore Lava Emplacement During the 2018 Kīlauea Eruption. *Geophysical Research Letters*, *51*(20), e2024GL110885. https://doi.org/10.1029/2024GL110885

Atkinson, G. M. (2024). Impact of Geometric Spreading in the Fourier Domain on Source Spectra: Observations of Steep Amplitude Decay and Frequency Dependence from the 2019 Ridgecrest, California, Earthquake, Sequence. *Bulletin of the Seismological Society of America*. https://doi.org/10.1785/0120240005

Atterholt, J., & Ross, Z. E. (2024). Finite source properties of large strike-slip earthquakes. *Geophysical Journal International*, *236*(2), 889–903. https://doi.org/10.1093/gji/ggad459

Aziz Zanjani, A., DeShon, H. R., Karanam, V., & Savvaidis, A. (2024). Insights into Temporal Evolution of Induced Earthquakes in the Southern Delaware Basin Using Calibrated Relocations from the TXAR Catalog (2009–2016). *The Seismic Record*, *4*(2), 140–150. https://doi.org/10.1785/0320240011

Azúa, K., Pastén-Araya, F., González-Alfaro, J., Salomón, J., Ruiz, S., Pastén, C., & Salazar, P. (2024). Lithological control of the active Mejillones fault from Triassic to Quaternary, northern Chile. *Tectonophysics*, *884*, 230395. https://doi.org/10.1016/j.tecto.2024.230395

Azzola, J., & Gaucher, E. (2024). Seismic Monitoring of a Deep Geothermal Field in Munich (Germany) Using Borehole Distributed Acoustic Sensing. *Sensors*, *24*(10), 3061. https://doi.org/10.3390/s24103061

Babaie Mahani, A., Ferguson, E., & Pirenne, B. (2024). Magnitude estimation and site characterization in southwestern British Columbia: application to earthquake early warning. *Journal of Seismology*, *28*(3), 735–751. https://doi.org/10.1007/s10950-024-10216-5

Bakırcı, T., Kaslilar, A., & Kocaoğlu, A. (2024). Three-dimensional shear-wave velocity structure of the Adana–Iskenderun basins by ambient noise tomography. *Geophysical Journal International*, *239*(3), 1530–1544. https://doi.org/10.1093/gji/ggae344

Baltay, A., Abercrombie, R., Chu, S., & Taira, T. (2024). The SCEC/USGS Community Stress Drop Validation Study Using the 2019 Ridgecrest Earthquake Sequence. *Seismica*, *3*(1). https://doi.org/10.26443/seismica.v3i1.1009

Bao, X., & Wang, N. (2024). Imaging Attenuation From Array Analysis of Surface Waves. *Journal of Geophysical Research: Solid Earth*, *129*(9), e2023JB028649. https://doi.org/10.1029/2023JB028649

Barkat, A., Tan, Y. J., Xu, G., Waldhauser, F., Tolstoy, M., & Wilcock, W. S. D. (2024). Permeability and seismicity rate changes at an inflating submarine volcano caused by dynamic stresses. *Earth and Planetary Science Letters*, *632*, 118625. https://doi.org/10.1016/j.epsl.2024.118625

Barman, D., Pulliam, J., & Quiros, D. A. (2024). Ambient seismic noise tomography of the Suwannee suture zone using cross-coherence interferometry and double beamforming. *Geophysical Journal International*, *236*(1), 688–699. https://doi.org/10.1093/gji/ggad399

Basu, J., & Raghukanth, S. T. G. (2024). Simulation of Broadband Ground Motions for the 2016 Mw 6.8 Chauk Earthquake. *Pure and Applied Geophysics*, *181*(5), 1479–1507. https://doi.org/10.1007/s00024-024-03475-3

Bayrakci, G., Bull, J. M., Minshull, T. A., Robinson, A. H., Lavayssiere, A., Illsley-Kemp, F., Henstock, T. J., Macdonald, C., & Chapman, M. (2024). Short-Duration Events Associated With Active Seabed Methane Venting. In *Noisy Oceans* (pp. 143–159). American Geophysical Union (AGU). https://doi.org/10.1002/9781119750925.ch9

Beniest, A., Dannowski, A., Schnabel, M., Kopp, H., & Party, the S. S. (2024). Tectonic Quiescence in Actively Extending Back-Arc Regions. *Journal of Geophysical Research: Solid Earth*, *129*(9), e2024JB029236. https://doi.org/10.1029/2024JB029236

Bennington, R. D., Daniel R. H. O'Connell, Guoqing Lin, Steve Roecker, Ninfa. (2024, September 18). An Unprecedented Experiment to Map Kīlauea's Summit Magma System. *Eos*. https://eos.org/science-updates/an-unprecedented-experiment-to-map-kilaueas-summit-magma-system

Benowitz, J. A., & Mann, M. E. (2024). Inherited Upper-Plate Controls on Localized Arc Magmatism Since ca. 100 Ma Along the Alaska Range Suture Zone. In *Tectonics and Seismic Structure of Alaska and Northwestern Canada* (pp. 525–546). American Geophysical Union (AGU). https://doi.org/10.1002/9781394195947.ch19

Bent, A. L., Mayeda, K., Roman-Nieves, J. I., & Barno, J. (2024). Coda Envelope Moment Magnitudes and Source Scaling for Southeastern Canada. *Bulletin of the Seismological Society of America*. https://doi.org/10.1785/0120240139

Ben-Zion, Y., Zhang, S., & Meng, X. (2024). Isotropic High-Frequency Radiation in Near-Fault Seismic Data. *Geophysical Research Letters*, *51*(17), e2024GL110303. https://doi.org/10.1029/2024GL110303

Bertoldi, A., Gaffet, S., Prevedelli, M., & Smith, D. A. (2024). Forecasting ocean wave-induced seismic noise. *Scientific Reports*, *14*(1), 21002. https://doi.org/10.1038/s41598-024-71628-4

Besedina, A. N., Kabychenko, N. V., Volosov, S. G., Goev, A. G., Konstantinovskaya, N. L., & Reznichenko, R. A. (2024). Expanding the Operating Frequency Range of SM-3KV Short-Period Seismometers. *Seismic Instruments*, *60*(1), 29–42. https://doi.org/10.3103/S0747923925700094

Besedina, A. N., Tubanov, Ts. A., Predein, P. A., Sanzhieva, D. P.-D., & Ivanchenko, G. N. (2024). Microseisms of Lake Baikal Based on Regional Seismic Network Data. *Izvestiya, Physics of the Solid Earth*, *60*(3), 355–373. https://doi.org/10.1134/S106935132470040X

Biegel, K. M., Dettmer, J., Igonin, N., & Eaton, D. W. (2024). Double-Pair Double-Difference Relocation Improves Depth Precision and Highlights Detailed 3D Fault Geometry for Induced Seismicity in Alberta, Canada. Seismological Research Letters. https://doi.org/10.1785/0220240194

Biegel, K. M., Gosselin, J. M., Dettmer, J., Colpron, M., Enkelmann, E., & Caine, J. S. (2024). Earthquake Relocations Delineate a Discrete Fault Network and Deformation Corridor Throughout Southeast Alaska and Southwest Yukon. *Tectonics*, *43*(5), e2023TC008140. https://doi.org/10.1029/2023TC008140

Bindi, D., & Di Giacomo, D. (2024). Energy-Magnitude Station Corrections across the Conterminous United States. *Bulletin of the Seismological Society of America*. https://doi.org/10.1785/0120240092

Bindi, D., Spallarossa, D., Picozzi, M., & Tarchini, G. (2024). Scaling and Depth Variability of Source Parameters in Central and Southern Italy Using Regional Attenuation Models. *Bulletin of the Seismological Society of America*. https://doi.org/10.1785/0120240144

Bindi, D., Zaccarelli, R., Strollo, A., Di Giacomo, D., Heinloo, A., Evans, P., Cotton, F., & Tilmann, F. (2024). Enriching the GEOFON seismic catalog with automatic energy magnitude estimations. *Earth System Science Data*, *16*(4), 1733–1745. https://doi.org/10.5194/essd-16-1733-2024

Birkey, A., & Lynner, C. (2024). Multilayer anisotropy along the Alaska-Aleutians Subduction zone. *Geophysical Journal International*, *237*(3), 1765–1779. https://doi.org/10.1093/gji/ggae137

Birkey, A., Ford, H. A., Anderson, M., Byrnes, J. S., Bezada, M. J., & Shapovalov, M. (2024). Insight into the Evolution of the Eastern Margin of the Wyoming Craton from Complex, Laterally Variable Shear Wave Splitting. *Lithosphere*, *2024*(3), lithosphere_2024_117. https://doi.org/10.2113/2024/lithosphere_2024_117

Biswas, M., Mukherjee, S., Gogoi, M. P., & Barik, N. (2024). Assessment of active tectonics of the Tripura-Mizoram fold belt (Surma Basin), North East India. *Geomatica*, *76*(2), 100019. https://doi.org/10.1016/j.geomat.2024.100019

Blackman, D. K., Talavera-Soza, S., Hung, R.-J., Collins, J. A., & Laske, G. (2024). Pacific seafloor in the 40–52 Myr old portion of the Molokai to Murray corridor. *Marine Geology*, *469*, 107246. https://doi.org/10.1016/j.margeo.2024.107246

Blackwell, A., Craig, T., & Rost, S. (2024). Automatic relocation of intermediate-depth earthquakes using adaptive teleseismic arrays. *Geophysical Journal International*, *239*(2), 821–840. https://doi.org/10.1093/gji/ggae289

Bodur, Ö., Li, X., Lumley, D., & Zhu, H. (2024). Seismic Full-Waveform Inversion Reveals Radially Anisotropic Upper Mantle Structures Beneath the Australian Plate. *Journal of Geophysical Research: Solid Earth*, *129*(12), e2024JB029260. https://doi.org/10.1029/2024JB029260

Bonatto, L., Schlaphorst, D., Silveira, G., Mata, J., Civiero, C., Piromallo, C., & Schimmel, M. (2024). Unveiling the Distinct Structure of the Upper Mantle Beneath the Canary and Madeira Hotspots, as Depicted by the 660, 410, and X Discontinuities. *Journal of Geophysical Research: Solid Earth*, *129*(5), e2023JB028195. https://doi.org/10.1029/2023JB028195

Bondár, I., Timoulali, Y., Chiang, A., Hni, L., & Kasmi, M. (2024). Relocation of the 8 September 2023 High Atlas, Morocco, Earthquake Aftershock Sequence. *Bulletin of the Seismological Society of America*. https://doi.org/10.1785/0120240100

Borleanu, F., Petrescu, L., Placinta, A. O., Magrini, F., Grecu, B., Radulian, M., & De Siena, L. (2024). Seismic attenuation tomography of Eastern Europe from ambient seismic noise analysis. *Geophysical Journal International*, *236*(1), 547–564. https://doi.org/10.1093/gji/ggad408

Bornstein, T., Lange, D., Münchmeyer, J., Woollam, J., Rietbrock, A., Barcheck, G., Grevemeyer, I., & Tilmann, F. (2024). PickBlue: Seismic Phase Picking for Ocean Bottom Seismometers With Deep Learning. *Earth and Space Science*, *11*(1), e2023EA003332. https://doi.org/10.1029/2023EA003332

Bose, S., Singh, C., Sarkar, S., & Dutta, A. (2024). Crustal Heterogeneity of the Bhutan Himalaya: Insights from PgQ Tomography. *Bulletin of the Seismological Society of America*. https://doi.org/10.1785/0120240068

Bossu, R., Haslinger, F., & Hébert, H. (2024). History and activities of the European-Mediterranean Seismological Centre. *Seismica*, *3*(1). https://doi.org/10.26443/seismica.v3i1.981

Boteler, D. H., Chakraborty, S., Shi, X., Hartinger, M. D., & Wang, X. (2024). An Examination of Geomagnetic Induction in Submarine Cables. *Space Weather*, *22*(2), e2023SW003687. https://doi.org/10.1029/2023SW003687

Boyd, O. S., Barnhart, W. D., Bourke, J., Chapman, M., Earle, P. S., Huang, G. D., Thompson Jobe, J. A., Kim, W., Link, F., Litherland, M., Lloyd, A., Long, M. D., McBride, S., Michael, A. J., Mooney, W. D., Mountain, G. S., Nikolaou, S., Savvaidis, A., Waldhauser, F., … Yoon, C. (2024). Preliminary Observations of the 5 April 2024 Mw 4.8 New Jersey Earthquake. *The Seismic Record*, *4*(4), 240–250. https://doi.org/10.1785/0320240024

Boyd, O. S., Churchwell, D., Moschetti, M. P., Thompson, E. M., Chapman, M. C., Ilhan, O., Pratt, T. L., Ahdi, S. K., & Rezaeian, S. (2024). Sediment thickness map of United States Atlantic and Gulf Coastal Plain Strata, and their influence on earthquake ground motions. *Earthquake Spectra*, *40*(1), 89–112. https://doi.org/10.1177/87552930231204880

Braunmiller, J., & Wetmore, P. (2024). The 2020 Mw 6.5 Stanley, Idaho, Earthquake and Aftershock Sequence: Complex Faulting at the Northern End of the Basin and Range Province. *Bulletin of the Seismological Society of America*, *114*(4), 1839–1856. https://doi.org/10.1785/0120230297

Briggs, R., Witter, R. C., Freymueller, J. T., Powers, P. M., Haeussler, P. J., Ross, S. L., Dura, T., Engelhart, S. E., Koehler, R. D., & Thio, H. K. (2024). An Alaska–Aleutian Subduction Zone Interface Earthquake Recurrence Model From Geology and Geodesy. In *Tectonics and Seismic Structure of Alaska and Northwestern Canada* (pp. 299–323). American Geophysical Union (AGU). https://doi.org/10.1002/9781394195947.ch10

Brunsvik, B., Eilon, Z., & Lynner, C. (2024). Plate-Scale Imaging of Eastern US Reveals Ancient and Ongoing Continental Deformation. *Geophysical Research Letters*, *51*(12), e2024GL109041. https://doi.org/10.1029/2024GL109041

Buckreis, T. E., Pretell, R., Sandikkaya, M. A., Kale, Ö., Askan, A., Brandenberg, S. J., & Stewart, J. P. (2024). Engineering attributes of ground motions from February 2023 Türkiye earthquake sequence. *Earthquake Spectra*, *40*(4), 2268–2284. https://doi.org/10.1177/87552930241259024

Buckreis, T. E., Stewart, J. P., Brandenberg, S. J., & Wang, P. (2024). Small-strain site response of soft soils in the Sacramento-San Joaquin Delta region of California conditioned on VS30 and mHVSR. *Earthquake Spectra*, *40*(1), 230–260. https://doi.org/10.1177/87552930231217165

Burnett, H., & Fan, W. (2024). Imaging microearthquake rupture processes using a dense array in Oklahoma. *Seismica*, *3*(2). https://doi.org/10.26443/seismica.v3i2.1354

Calle-Gardella, D., Pavez-Orrego, C., Comte, D., Halpaap, F., Olesen, O., Espinoza, A., & Roecker, S. (2024). Improvement of the 2007–2015 Earthquake Catalog Along the 300 km Long Postglacial Merasjärvi–Stuoragurra Fault Complex in Northern Fennoscandia Using Automatic Event Detection. *Geosciences*, *14*(11), 293. https://doi.org/10.3390/geosciences14110293

Canil, D. (2024). The lithosphere–asthenosphere boundary and lithosphere replacement as informed by mantle xenoliths and their host lavas. *Canadian Journal of Earth Sciences*, *62*(4), 787–806. https://doi.org/10.1139/cjes-2024-0085

Canitano, A. (2024). Constraints on the Calibration of Borehole Volumetric Strainmeters Using Rayleigh Wave Vertical Seismic Acceleration. *Bulletin of the Seismological Society of America*, *114*(3), 1589–1599. https://doi.org/10.1785/0120230260

Cao, B., & Ge, Z. (2024). Cascading multi-segment rupture process of the 2023 Turkish earthquake doublet on a complex fault system revealed by teleseismic P wave back projection method. *Earthquake Science*, *37*(2), 158–173. https://doi.org/10.1016/j.eqs.2024.01.017

Cao, L., He, X., Yuan, H., Zhao, M., Qiu, X., & Savage, M. K. (2024). Upper-mantle seismic anisotropy in the southwestern North Island, New Zealand: Implications for regional upper-mantle and slab deformation. *Tectonophysics*, *887*, 230455. https://doi.org/10.1016/j.tecto.2024.230455

Cao, M., Xue, L., & Zhao, L. (2024). Investigating well water level oscillations caused by seismic waves using automatically detected responses. *Journal of Hydrology*, *639*, 131628. https://doi.org/10.1016/j.jhydrol.2024.131628

Cao, Z., & Liu, L. (2024). Western US intraplate deformation controlled by the complex lithospheric structure. *Nature Communications*, *15*(1), 3917. https://doi.org/10.1038/s41467-024-48223-2

Carr, S. A. B., & Olugboji, T. (2024). A Taxonomy of Upper-Mantle Stratification in the US. *Journal of Geophysical Research: Solid Earth*, *129*(5), e2024JB028781. https://doi.org/10.1029/2024JB028781

Carrero Mustelier, E., Fischer, K. M., Hua, J., Gama, I., La Femina, P. C., & Higgins, M. (2024). Relationships Between Upper-Plate Structure, Mantle Wedge Melting, and Fore-Arc Sliver Transport in the Nicaraguan Subduction Zone. *The Seismic Record*, *4*(4), 251–258. https://doi.org/10.1785/0320240026

Carrillo-Ponce, A., Heimann, S., Petersen, G. M., Walter, T. R., Cesca, S., & Dahm, T. (2024). The 16 September 2023 Greenland Megatsunami: Analysis and Modeling of the Source and a Week-Long, Monochromatic Seismic Signal. *The Seismic Record*, *4*(3), 172–183. https://doi.org/10.1785/0320240013

Carver, C. J., & Zhou, X. (2024). Polarization sensing of network health and seismic activity over a live terrestrial fiber-optic cable. *Communications Engineering*, *3*(1), 1–12. https://doi.org/10.1038/s44172-024-00237-w

Casallas, I. F., Hu, J.-C., & Perez, J. S. (2024). Rupture process of the 2019 Mw 6.8 Davao Del Sur earthquake, Philippines from geodetic and seismic data. *Geomatics, Natural Hazards and Risk*, *15*(1), 2416522. https://doi.org/10.1080/19475705.2024.2416522

Casas, J. A., Badi, G. A., Mikesell, T. D., Garcia, S. E., & Draganov, D. (2024). Single-Station Multiparametric Seismic Monitoring of Copahue Volcano, Argentina–Chile (2018–2023). Seismological Research Letters, 95(5), 2637–2650. https://doi.org/10.1785/0220240074

Cassidy, J. F., & Mulder, T. L. (2024). Seismicity and seismic monitoring of Canada's volcanic zones. *Canadian Journal of Earth Sciences*, *61*(2), 248–269. https://doi.org/10.1139/cjes-2023-0078

Cassisi, C., Aliotta, M., Cannata, A., Pistagna, F., Prestifilippo, M., Torrisi, M., & Montalto, P. (2024). TSDSystem: a framework to collect, archive and share time series data at volcanological observatories. *Bulletin of Volcanology*, *86*(8), 70. https://doi.org/10.1007/s00445-024-01757-1

Castillo, E., Siervo, D., & Prieto, G. A. (2024). Colombian Seismic Monitoring Using Advanced Machine-Learning Algorithms. Seismological Research Letters, 95(5), 2971–2985. https://doi.org/10.1785/0220240036

Celis, S., Valenzuela, R. W., Calò, M., Pérez-Campos, X., & Soto, G. L. (2024). Anisotropic structure in the mantle wedge beneath southeastern Mexico from shear-wave splitting tomography. *Journal of Geodynamics*, *159*, 102007. https://doi.org/10.1016/j.jog.2023.102007

Cervenec, J., Chudley, T., Helterbrand, J., Street, P., & Bertolo, V. (2024). A Safer “Flubber” Recipe. *Connected Science Learning*, *6*(2), 77–81. https://doi.org/10.1080/24758779.2024.2317802

Cesca, S., Niemz, P., Dahm, T., & Ide, S. (2024). Anti-repeating earthquakes and how to explain them. *Communications Earth & Environment*, *5*(1), 1–11. https://doi.org/10.1038/s43247-024-01290-1

Chakraborty, M., Rümpker, G., Li, W., Faber, J., Srivastava, N., & Link, F. (2024). Feasibility of Deep Learning in Shear Wave Splitting analysis using Synthetic-Data Training and Waveform Deconvolution. *Seismica*, *3*(1). https://doi.org/10.26443/seismica.v3i1.1124

Chamarczuk, M., Ajo-Franklin, J. B., Nayak, A., & Rodriguez Tribaldos, V. (2024). Low-Frequency Blast Detection Using a Large-N Dark Fiber in Noisy Environments: Template Matching and Optimal Channel Selection. Seismological Research Letters, 95(3), 1949–1960. https://doi.org/10.1785/0220230223

Chan, J., Hwang, R., Lin, C., & Lin, C. (2024). Scaling Relationships between Local Magnitude, Seismic Moment, and Radiated Seismic Energy for the 18 April 2019 Xiulin, Taiwan, Earthquake Sequence: Implications for Source Non-Self-Similarity. Seismological Research Letters, 96(2A), 883–896. https://doi.org/10.1785/0220240251

Chatterjee, A., Trugman, D. T., Hirth, G., Lee, J., & Tsai, V. C. (2024). High-Frequency Ground Motions of Earthquakes Correlate With Fault Network Complexity. *Geophysical Research Letters*, *51*(12), e2024GL109418. https://doi.org/10.1029/2024GL109418

Chaudhuri, D., Banerjee, R., Kumar, A., Sharma, S., & Mitra, S. (2024). Role of Intraplate Strike-Slip Earthquakes in Accommodating Convergence Across the Eastern Himalayan Plate Boundary System. *Lithosphere*, *2024*(Special 15), lithosphere_2024_189. https://doi.org/10.2113/2024/lithosphere_2024_189

Chen, J., Hao, J., & Xu, T. (2024). Complex conjugate rupture of the 2014 *M*w 6.2 Ludian (Yunnan, China) earthquake. *Journal of Asian Earth Sciences*, *260*, 105972. https://doi.org/10.1016/j.jseaes.2023.105972

Chen, J., Wu, S., Xu, M., Nagaso, M., Yao, J., Wang, K., Li, T., Bai, Y., & Tong, P. (2023). Adjoint-State Teleseismic Traveltime Tomography: Method and Application to Thailand in Indochina Peninsula. *Journal of Geophysical Research: Solid Earth*, *128*(12), e2023JB027348. https://doi.org/10.1029/2023JB027348

Chen, K.-X., & Forsyth, D. W. (2024). On the Origin of the Hawaiian Swell: Lithosphere and Asthenosphere Seismic Structure From Rayleigh Wave Dispersion. *Journal of Geophysical Research: Solid Earth*, *129*(7), e2024JB029407. https://doi.org/10.1029/2024JB029407

Chen, K.-X., Forsyth, D. W., & Fischer, K. M. (2024). A Mid-Lithospheric Discontinuity Detected Beneath 155 Ma Western Pacific Seafloor Using Sp Receiver Functions. *Geophysical Research Letters*, *51*(5), e2024GL108347. https://doi.org/10.1029/2024GL108347

Chen, L.-W., & Romanowicz, B. (2024a). Accelerating full-waveform inversion using source stacking: synthetic experiments at the global scale in a realistic 3-D earth model. *Geophysical Journal International*, *236*(1), 644–658. https://doi.org/10.1093/gji/ggad438

Chen, L.-W., & Romanowicz, B. (2024b). On accounting for the effects of crust and uppermost mantle structure in global scale full-waveform inversion. *Geophysical Journal International*, *239*(1), 662–674. https://doi.org/10.1093/gji/ggae282

Chen, W., & Chen, Y. (2024). DRRGlobal: Uncovering the weak phases from global seismograms using the damped rank-reduction method. *Computers & Geosciences*, *192*, 105687. https://doi.org/10.1016/j.cageo.2024.105687

Chen, W., & Ding, H. (2024). Constraint on the focal mechanism of the 2011 Tohoku earthquake from the radial modes. *Geodesy and Geodynamics*, *15*(1), 27–32. https://doi.org/10.1016/j.geog.2023.04.002

Chen, W., Wei, S., & Wang, W. (2024). Subslab ultra low velocity anomaly uncovered by and facilitating the largest deep earthquake. *Nature Communications*, *15*(1), 2754. https://doi.org/10.1038/s41467-024-47129-3

Chen, Y., Xu, X., Xie, J., Ghalib, H. A. A., & Liang, S. (2024). Two-station Lg wave attenuation tomography in Eastern Asia. *Geophysical Journal International*, *239*(1), 49–69. https://doi.org/10.1093/gji/ggae255

Chi-Durán, R., Dreger, D. S., & Rodgers, A. J. (2024). Joint Inversion of Regional Waveform, First-Motion Polarity, and Synthetic Aperture Radar Surface Displacement for the Fourth and Sixth North Korean Declared Nuclear Explosions. *Bulletin of the Seismological Society of America*, *114*(5), 2409–2423. https://doi.org/10.1785/0120230237

Chingtham, P., Sharma, B., & Aswini, K. K. (2024). A statistical analysis of volcano-tectonic earthquake swarms in the off Nicobar region of the Andaman Sea. *Acta Geophysica*, *72*(5), 3289–3308. https://doi.org/10.1007/s11600-023-01259-2

Civiero, C., Lebedev, S., Xu, Y., Bonadio, R., & Lavoué, F. (2024). Toward Tectonic-Type and Global 1D Seismic Models of the Upper Mantle Constrained by Broadband Surface

Waves. *Bulletin of the Seismological Society of America*, *114*(3), 1321–1346. https://doi.org/10.1785/0120230295

Clive, M. A. T., Lawson, R. V., Lamb, O. D., Potter, S., Kilgour, G., Jarvis, P. A., Harrison, S., Scott, B., & Charlton, D. (2024). Crowdsourcing human observations expands and enhances volcano monitoring records. *Communications Earth & Environment*, *5*(1), 1–10. https://doi.org/10.1038/s43247-024-01747-3

Cochran, E. S., Baltay, A., Chu, S., Abercrombie, R. E., Bindi, D., Chen, X., Parker, G. A., Pennington, C., Shearer, P. M., & Trugman, D. T. (2024). SCEC/USGS Community Stress-Drop Validation Study: How Spectral Fitting Approaches Influence Measured Source Parameters. *Bulletin of the Seismological Society of America*. https://doi.org/10.1785/0120240140

Contreras, K., Nyblade, A., Durrheim, R., Webb, S., Manzi, M., & Fadel, I. (2024). Crustal structure of the Bushveld complex, South Africa from 1D shear wave velocity models: Evidence for complex-wide crustal modification. *Tectonophysics*, *890*, 230496. https://doi.org/10.1016/j.tecto.2024.230496

Coombs, M. L., Cameron, C. E., Dietterich, H. R., Boyce, E. S., Wech, A. G., Grapenthin, R., Wallace, K. L., Parker, T., Lopez, T., Crass, S., Fee, D., Haney, M. M., Ketner, D., Loewen, M. W., Lyons, J. J., Nakai, J. S., Power, J. A., Botnick, S., Brewster, I., … Randall, M. (2024). From field station to forecast: managing data at the Alaska Volcano Observatory. *Bulletin of Volcanology*, *86*(9), 79. https://doi.org/10.1007/s00445-024-01766-0

Corchete, V. (2024). Azimuthal Variation in the Surface-Wave Velocity in the Arabian Plate. *Applied Sciences*, *14*(12), 5142. https://doi.org/10.3390/app14125142

Crossey, L. J., Karlstrom, K. E., Curry, B., McGibbon, C., Reed, C., Wilgus, J., Whyte, C. J., & Darrah, T. (2024). Hydrotectonics of Grand Canyon Groundwater. *Annual Review of Earth and Planetary Sciences*, *52*, 521–547. https://doi.org/10.1146/annurev-earth-080723-083513

Crozier, J., & Anderson, K. R. (2024). Earthquake Cycle Mechanics During Caldera Collapse: Simulating the 2018 Kīlauea Eruption. *Journal of Geophysical Research: Solid Earth*, *129*(5), e2024JB028886. https://doi.org/10.1029/2024JB028886

Crozier, J., Dufek, J., Karlstrom, L., Anderson, K. R., Cahalan, R., Thelen, W., Benage, M., & Liang, C. (2024). Explosive 2018 eruptions at Kīlauea driven by a collapse-induced stomp-rocket mechanism. *Nature Geoscience*, *17*(6), 572–578. https://doi.org/10.1038/s41561-024-01442-0

Cui, C., Lei, W., Liu, Q., Peter, D., Bozdağ, E., Tromp, J., Hill, J., Podhorszki, N., & Pugmire, D. (2024). GLAD-M35: a joint P and S global tomographic model with uncertainty quantification. *Geophysical Journal International*, *239*(1), 478–502. https://doi.org/10.1093/gji/ggae270

Cui, F.-Z., Zhang, F., Li, J., Pei, D.-Y., Bai, Y.-H., Wang, L., & Wang, H. (2024). Inversion of the Deep Structure of the Northern Margin of the Ordos Block Using Teleseismic Receiver Functions and Gravity Data. *Applied Geophysics*. https://doi.org/10.1007/s11770-024-1149-9

Cui, X., Hu, Y., Ma, S., Li, Z., Liu, G., & Huang, H. (2024). Bridging Supervised and Unsupervised Learning to Build Volcano Seismicity Classifiers at Kilauea Volcano, Hawaii. Seismological Research Letters. https://doi.org/10.1785/0220230251

Cui, Y., Wu, J., Bai, M., & Chen, Y. (2024). Ground-truth-free deep learning for 3D seismic denoising and reconstruction with channel attention mechanism. *Geophysics*, *89*(6), V503–V520. https://doi.org/10.1190/geo2023-0592.1

Cummings, S. (2024). Possible TikTok ban has U.S. science communicators on edge. *Science*. https://doi.org/doi: 10.1126/science.zx9vekx

D'Anastasio, E., Groom, J., Sherburn, S., Houltham, J., Chadwick, M., Morris, C., Peng, B., Wu, H., Harvey, S., Hanson, J. B., & GeoNet team. (2024). Tilde, an interdisciplinary data access solution serving GeoNet's volcano and other hazard data. *Bulletin of Volcanology*, *86*(12), 96. https://doi.org/10.1007/s00445-024-01786-w

Dahmen, N., Clinton, J., Stähler, S., Meier, M.-A., Ceylan, S., Euchner, F., Kim, D., Horleston, A., Durán, C., Zenhäusern, G., Charalambous, C., Kawamura, T., & Giardini, D. (2024). Revisiting Martian seismicity with deep learning-based denoising. *Geophysical Journal International*, *239*(1), 434–454. https://doi.org/10.1093/gji/ggae279

Dai, Y., Tharimena, S., Rychert, C., & Harmon, N. (2024). A global SS precursor method for imaging discontinuities: the Moho and beyond. *Geophysical Journal International*, *238*(2), 756–763. https://doi.org/10.1093/gji/ggae145

Daly, K. A., & Abers, G. A. (2024). High-Resolution Imaging of the Alaska-Aleutian Megathrust Using P-to-S Mode Conversions From Local In-Slab Earthquakes. *Journal of Geophysical Research: Solid Earth*, *129*(3), e2023JB027546. https://doi.org/10.1029/2023JB027546

Darrh, A., Bodmer, M., & Poppeliers, C. (2024). Spatially Dependent Seismic Wavefield Scattering from an Underground Chemical Explosion: Analysis of the Source Physics Experiment Dry Alluvium Geology Large-N Array. *Bulletin of the Seismological Society of America*, *114*(4), 2251–2269. https://doi.org/10.1785/0120230057

Dascher-Cousineau, K., & Bürgmann, R. (2024). Global subduction slow slip events and associated earthquakes. *Science Advances*, *10*(35), eado2191. https://doi.org/10.1126/sciadv.ado2191

Daubar, I. J., Garcia, R. F., Stott, A. E., Fernando, B., Collins, G. S., Dundas, C. M., Wójcicka, N., Zenhäusern, G., McEwen, A. S., Stähler, S. C., Golombek, M., Charalambous, C., Giardini, D., Lognonné, P., & Banerdt, W. B. (2024). Seismically detected cratering on Mars: Enhanced recent impact flux? *Science Advances*, *10*(26), eadk7615. https://doi.org/10.1126/sciadv.adk7615

Daud, N., Stamps, D. S., Ji, K.-H., Saria, E., Huang, M.-H., & Adams, A. (2024). Detecting Transient Uplift at the Active Volcano Ol Doinyo Lengai in Tanzania With the TZVOLCANO Network. *Geophysical Research Letters*, *51*(13), e2023GL108097. https://doi.org/10.1029/2023GL108097

Dave, R., Darbyshire, F., Afonso, J. C., & Fomin, I. (2024). Thermochemical Structure of the Superior Craton and Environs: Implications for the Evolution and Preservation of Cratonic Lithosphere. *Geochemistry, Geophysics, Geosystems*, *25*(6), e2024GC011454. https://doi.org/10.1029/2024GC011454

Davis, E. E., Sun, T., Becker, K., Heesemann, M., Villinger, H., & Wang, K. (2024). Deep-sea borehole fluid pressure and temperature observations at subduction zones and their geodynamic implications. *Canadian Journal of Earth Sciences*, *62*(4), 684–709. https://doi.org/10.1139/cjes-2024-0093

Davis, P. (2024). Development and Operation of a Global-Scale Seismographic Network: The IRIS/USGS GSN. *Perspectives of Earth and Space Scientists*, *5*(1), e2023CN000225. https://doi.org/10.1029/2023CN000225

Davis, W., & Hunt, C. R. (2024). Knowledge graphs for seismic data and metadata. *Applied Computing and Geosciences*, *21*, 100151. https://doi.org/10.1016/j.acags.2023.100151

Davison, F., Martin, C., Parai, R., & Cottaar, S. (2024). Ultra-Low Velocity Zone Beneath the Atlantic Near St. Helena. *Geochemistry, Geophysics, Geosystems*, *25*(7), e2024GC011559. https://doi.org/10.1029/2024GC011559

de Melo, G. W. S., Mitchell, N. C., & Sokolov, S. Y. (2024). The 2020 Mw 6.6 Vernadsky transform earthquake sequence: rupture and Coulomb stress changes surrounding an oceanic core complex. *Marine Geophysical Research*, *45*(4), 28. https://doi.org/10.1007/s11001-024-09558-z

Del Piccolo, G., VanderBeek, B. P., Faccenda, M., Morelli, A., & Byrnes, J. S. (2024). Imaging Upper-Mantle Anisotropy with Transdimensional Bayesian Monte Carlo Sampling. *Bulletin of the Seismological Society of America*, *114*(3), 1214–1226. https://doi.org/10.1785/0120230233

Delorey, A. A. (2024). Determining Stress Orientation in Rock Valley, Nevada, Using Ambient Seismic Noise. *The Seismic Record*, *4*(2), 131–139. https://doi.org/10.1785/0320230038

Deng, W., Han, G., Li, J., & Sun, L. (2024). Seismometer Orientation Measurements of Broadband Seismic Stations in the China Digital Seismograph Network. *Bulletin of the Seismological Society of America*. https://doi.org/10.1785/0120240075

Devi, A., Roy, S. K., Kanaujia, J., & Kumar, M. R. (2024). Evidence for weak azimuthal anisotropy beneath the Kumaon-Garhwal Himalaya. *Geophysical Journal International*, *237*(3), 1734–1750. https://doi.org/10.1093/gji/ggae130

Dey, S., Ghosh, M., & Mitra, S. (2024). 3D Shear-Wave Velocity Structure of the Crust and Upper Mantle Beneath India, Himalaya and Tibet. *Journal of Geophysical Research: Solid Earth*, *129*(6), e2023JB028292. https://doi.org/10.1029/2023JB028292

Dias, A. A. V., Gunathilake, A. A. J., & Sassa, K. (2024). Emerging Seismicity Trends Linked to Catastrophic Landslides Behavior in Sri Lanka. In B. Abolmasov, I. Alcántara-Ayala, Ž. Arbanas, D. Huntley, K. Konagai, S. Mihalić Arbanas, M. Mikoš, M. V. Ramesh, K. Sassa, S. Sassa, H. Tang, & B. Tiwari (Eds.), *Progress in Landslide Research and Technology, Volume 3 Issue 1, 2024* (pp. 137–149). Springer Nature Switzerland. https://doi.org/10.1007/978-3-031-55120-8_9

Díaz, J. (2024). Monitoring May 2024 solar and geomagnetic storm using broadband seismometers. *Scientific Reports*, *14*(1), 30066. https://doi.org/10.1038/s41598-024-81079-6

Diaz, J., Torne, M., Schimmel, M., Rodríguez, S., Martí, D., Ruiz, M., Seivane, H., Sánchez-Pastor, P., & Davoise, D. (2024). Sources of seismic noise in an open-pit mining environment. *Scientific Reports*, *14*(1), 24106. https://doi.org/10.1038/s41598-024-75733-2

Dong, S., Chen, Y., Zhang, B., Ni, S., Chen, X., & Wang, Y. (2024). Identification of Rare Multiple Core-Mantle Boundary Reflections PmKP Up To P7KP With Deep Learning. *Geophysical Research Letters*, *51*(2), e2023GL105464. https://doi.org/10.1029/2023GL105464

Dong, S., Chen, Y., Zhang, B., Ni, S., Chen, X., & Wang, Y. (2024). Identification of Rare Multiple Core-Mantle Boundary Reflections PmKP Up To P7KP With Deep Learning. *Geophysical Research Letters*, *51*(2), e2023GL105464. https://doi.org/10.1029/2023GL105464

Doody, C., Rodgers, A., Chiang, A., Afanasiev, M., Boehm, C., Krischer, L., & Simmons, N. (2024). Improved Earthquake Source Parameters with 3D Wavespeed Models in California and Nevada. Seismological Research Letters, 96(1), 499–509. https://doi.org/10.1785/0220240011

Drilleau, M., Samuel, H., Garcia, R. F., Rivoldini, A., Perrin, C., Wieczorek, M., Lognonné, P., & Banerdt, W. B. (2024). Constraints on Lateral Variations of Martian Crustal Thickness From Seismological and Gravity Field Measurements. *Geophysical Research Letters*, *51*(4), e2023GL105701. https://doi.org/10.1029/2023GL105701

Drobyshev, M. N., Abramov, D. V., Koneshov, V. N., & Malysheva, D. A. (2024). Estimation of the Impact of Storm Microseisms on Long-Term Gravimetric Measurements. *Izvestiya, Physics of the Solid Earth*, *60*(1), 173–178. https://doi.org/10.1134/S1069351324700162

Drolet, D., Bostock, M., & Peacock, S. (2024). Relative Moment Tensor Inversion for Microseismicity: Application to Clustered Earthquakes in the Cascadia Forearc. *Seismica*, *2*(4). https://doi.org/10.26443/seismica.v2i4.1311

Duan, W., Tan, P. J., & Paik, J. K. (2024). Enhancing safety and resilience of ageing land-based LNG Tank structures through digital healthcare engineering: a feasibility assessment in seismic environments. *Ships and Offshore Structures*, *0*(0), 1–17. https://doi.org/10.1080/17445302.2024.2428229

Dunn, R. A., Watts, A. B., Xu, C., & Shillington, D. J. (2024). A Seismic Tomography, Gravity, and Flexure Study of the Crust and Upper Mantle Structure Across the Hawaiian Ridge: 2. Ka'ena. *Journal of Geophysical Research: Solid Earth*, *129*(2), e2023JB028118. https://doi.org/10.1029/2023JB028118

Durán, C., Khan, A., Kemper, J., Fernandes, I., Mosegaard, K., Tromp, J., Dugué, M., Sollberger, D., & Giardini, D. (2024). Searching the InSight Seismic Data for Mars's Background-Free Oscillations. Seismological Research Letters, 96(1), 377–393. https://doi.org/10.1785/0220240167

Dybing, S. N., Yeck, W. L., Cole, H. M., & Melgar, D. (2024). Rapid Estimation of Single-Station Earthquake Magnitudes with Machine Learning on a Global Scale. *Bulletin of the Seismological Society of America*, *114*(3), 1523–1538. https://doi.org/10.1785/0120230171

Eaton, W., Haindl, C., & Nissen-Meyer, T. (2024). Seismic scattering regimes from multiscale entropy and frequency correlations. *Geophysical Journal International*, *237*(2), 1109–1128. https://doi.org/10.1093/gji/ggae098

Ebinger, C. J., Reiss, M. C., Bastow, I., & Karanja, M. M. (2024). Shallow sources of upper mantle seismic anisotropy in East Africa. *Earth and Planetary Science Letters*, *625*, 118488. https://doi.org/10.1016/j.epsl.2023.118488

Elkhouly, Shimaa. H., & Ali, G. (2024). Seismic Discrimination Between Nuclear Explosions and Natural Earthquakes using Multi-Machine Learning Techniques. *Pure and Applied Geophysics*. https://doi.org/10.1007/s00024-024-03463-7

Elliott, J., Freymueller, J. T., & Grapenthin, R. (2024). Geodetic Observations of Tectonic Deformation in Alaska and Western Canada: The EarthScope Revolution. In *Tectonics and Seismic Structure of Alaska and Northwestern Canada* (pp. 129–184). American Geophysical Union (AGU). https://doi.org/10.1002/9781394195947.ch5

El-Sharkawy, A., Hansteen, T. H., Clemente-Gomez, C., Fullea, J., Lebedev, S., & Meier, T. (2024). Cenozoic Volcanic Provinces and Shallow Asthenospheric Volumes in the Circum-Mediterranean: Evidence From Magmatic Geochemistry, Seismic Tomography, and Integrated Geophysical-Petrological Thermochemical Inversion. *Geochemistry, Geophysics, Geosystems*, *25*(9), e2023GC011017. https://doi.org/10.1029/2023GC011017

Escobares, M., López, M., Spagnotto, S., Morosini, A., Richard, A., & Mescua, J. (2024). Seismotectonic study in the Sierras de Velasco, Ambato, and Ancasti, Eastern Sierras Pampeanas of Argentina. *Journal of South American Earth Sciences*, *148*, 105082. https://doi.org/10.1016/j.jsames.2024.105082

Espinal, K., Long, M. D., Karabinos, P., & Bourke, J. R. (2024). Lithospheric Structure Above the Northern Appalachian Anomaly: Initial Results From the NEST Array. *Geophysical Research Letters*, *51*(19), e2024GL109955. https://doi.org/10.1029/2024GL109955

Espinosa-Ortega, T., & Taisne, B. (2024). Optimal spatial distribution of seismic stations to detect magma migration using the seismic amplitude ratio analysis. *Journal of Volcanology and Geothermal Research*, *452*, 108138. https://doi.org/10.1016/j.jvolgeores.2024.108138

Estève, C., Audet, P., Leigh Schutt, D., Craig Aster, R., John Schaeffer, A., & Cubley, J. F. (2024). Structure, Origin, and Deformation of the Lithosphere in the Northern Canadian Cordillera From High-Resolution, Passive-Source Seismic Velocity Models. In *Tectonics and Seismic Structure of Alaska and Northwestern Canada* (pp. 215–235). American Geophysical Union (AGU). https://doi.org/10.1002/9781394195947.ch7

Faber, M., & Curtis, A. (2024). On seismic gradiometric wave equation inversion for density. *Geophysical Journal International*, *237*(3), 1459–1489. https://doi.org/10.1093/gji/ggae097

Fan, X., Guo, Z., Chen, L., Chen, Q.-F., Yang, T., & Liang, C. (2024). Focused Mantle Upwelling Beneath the Southeastern Asian Basalt Province Revealed by Seismic Surface Wave Tomography. *Geophysical Research Letters*, *51*(2), e2023GL104336. https://doi.org/10.1029/2023GL104336

Fedotova, A., & Magnani, M. B. (2024). Glacial Erosion Rates Since the Last Glacial Maximum for the Former Argentino Glacier and Present-Day Upsala Glacier, Patagonia. *Journal of Geophysical Research: Earth Surface*, *129*(12), e2024JF007960. https://doi.org/10.1029/2024JF007960

Feng J., Liao L., Li P., & Wu Q. (2024). Numerical simulation of spontaneous rupture process of the 2001 M_S8.1 west of Kunlun pass earthquake. *Chinese Journal of Geophysics*, *67*(6), 2141–2158. https://doi.org/10.6038/cjg2022Q0426

Feng, M., Chen, L., Wei, S., Muksin, U., Simanjuntak, A. V. H., Chen, Y., & Gong, C. (2024). Deep Learning–Based Denoising Improves Receiver Function Imaging Using Dense Short-Period Teleseismic Data. Seismological Research Letters, 95(6), 3696–3708. https://doi.org/10.1785/0220240017

Feng, M., Lengaigne, M., Manneela, S., Gupta, A. S., & Vialard, J. (2024). Extreme events in the Indian Ocean: Marine heatwaves, cyclones, and tsunamis⊛. In C. C. Ummenhofer & R. R. Hood (Eds.), *The Indian Ocean and its Role in the Global Climate System* (pp. 121–144). Elsevier. https://doi.org/10.1016/B978-0-12-822698-8.00011-1

Feng, X., Xia, Y., & Chen, X. (2024). Frequency-Bessel multi-mode surface wave tomography utilizing microseisms excited by energetic typhoons. *Science China Earth Sciences*, *67*(11), 3436–3447. https://doi.org/10.1007/s11430-024-1408-8

Fernandes, V. M., Roberts, G. G., & Richards, F. (2024). Testing Mantle Convection Simulations With Paleobiology and Other Stratigraphic Observations: Examples From Western North

America. *Geochemistry, Geophysics, Geosystems*, *25*(6), e2023GC011381. https://doi.org/10.1029/2023GC011381

Fernández M, G. A., Assumpção, M., Cesca, S., & Nieto, M. (2024). Crustal seismicity and updated stress mapping in the Bolivian Orocline, Central Andes. *Journal of South American Earth Sciences*, *149*, 105187. https://doi.org/10.1016/j.jsames.2024.105187

Fernandez, N., Scheck-Wenderoth, M., Cacace, M., & Gholamrezaie, E. (2024). The Inherited Crustal Structure and Lithospheric Thermal Field Beneath the Sea of Marmara (NW Türkiye): Observations From 3D Gravity Modeling and Seismic Tomography Analysis. *Journal of Geophysical Research: Solid Earth*, *129*(12), e2024JB030336. https://doi.org/10.1029/2024JB030336

Fernando, B., Mialle, P., Ekström, G., Charalambous, C., Desch, S., Jackson, A., & Sansom, E. K. (2024). Seismic and acoustic signals from the 2014 'interstellar meteor.' *Geophysical Journal International*, *238*(2), 1027–1039. https://doi.org/10.1093/gji/ggae202

Ferrari, E., Massa, M., Lovati, S., Di Michele, F., & Rizzo, A. L. (2024). Multiparametric stations for real-time monitoring and long-term assessment of natural hazards. *Frontiers in Earth Science*, *12*. https://doi.org/10.3389/feart.2024.1412900

Fichtner, A., Kennett, B. L. N., Tsai, V. C., Thurber, C. H., Rodgers, A. J., Tape, C., Rawlinson, N., Borcherdt, R. D., Lebedev, S., Priestley, K., Morency, C., Bozdağ, E., Tromp, J., Ritsema, J., Romanowicz, B., Liu, Q., Golos, E., & Lin, F. (2024). Seismic Tomography 2024. *Bulletin of the Seismological Society of America*, *114*(3), 1185–1213. https://doi.org/10.1785/0120230229

Filippova, A. I., Fomochkina, A. S., Gileva, N. A., Radziminovich, Y. B., & Melnikova, V. I. (2024). The September 6, 2021 MW 5.4 Tofalaria earthquake at a weakly active segment of the Main Sayan fault (Eastern Siberia). *Journal of Structural Geology*, *188*, 105255. https://doi.org/10.1016/j.jsg.2024.105255

Flores, G., & Rosa, M. L. (2024). Site effect characterization in Tierra del Fuego Island with H/V spectral ratio. *Journal of South American Earth Sciences*, *148*, 105136. https://doi.org/10.1016/j.jsames.2024.105136

Fone, J., Rawlinson, N., Pilia, S., Gilligan, A., Cornwell, D. G., & Tongkul, F. (2024). Ambient Noise Tomography of Northern Borneo Reveals Evidence of Subduction and Post-Subduction Processes. *Journal of Geophysical Research: Solid Earth*, *129*(11), e2024JB029092. https://doi.org/10.1029/2024JB029092

Fountoulakis, I., & Evangelidis, C. P. (2024). SSA2py: A High-Performance Python Implementation of the Source-Scanning Algorithm for Spatiotemporal Seismic Source Imaging. Seismological Research Letters, 95(4), 2506–2518. https://doi.org/10.1785/0220230335

Frazer, W. D., & Park, J. (2024). No globally detectable seismic interfaces within Earth's mantle transition zone: Evidence for basalt enrichment. *Earth and Planetary Science Letters*, *641*, 118838. https://doi.org/10.1016/j.epsl.2024.118838

Fredrickson, E. K., Wilcock, W. S. D., Harrington, M. J., Cram, G., Tilley, J., Martin, D., & Burnett, J. (2024). The Self-Calibrating Tilt Accelerometer: A Method for Observing Tilt and Correcting Drift With a Triaxial Accelerometer. *Earth and Space Science*, *11*(11), e2024EA003909. https://doi.org/10.1029/2024EA003909

Freeshah, M., Şentürk, E., Zhang, X., Livaoğlu, H., Ren, X., & Osama, N. (2024). Investigating Multiple Ionospheric Disturbances Associated with the 2020 August 4 Beirut Explosion by Geodetic and Seismological Data. *Pure and Applied Geophysics*. https://doi.org/10.1007/s00024-023-03386-9

Freymueller, J. T., & West, M. E. (2024). EarthScope Networks in Alaska and Northwestern Canada. In *Tectonics and Seismic Structure of Alaska and Northwestern Canada* (pp. 1–13). American Geophysical Union (AGU). https://doi.org/10.1002/9781394195947.ch1

Fröhlich, Y., Grund, M., & Ritter, J. R. R. (2024). Lateral and vertical variations of seismic anisotropy in the lithosphere–asthenosphere system underneath Central Europe from long-term splitting measurements. *Geophysical Journal International*, *239*(1), 112–135. https://doi.org/10.1093/gji/ggae245

Froment, M., Xu, Z., Lognonné, P. H., Larmat, C., Garcia, R. F., Drilleau, M., Delbridge, B. G., Spiga, A., Kawamura, T., & Beucler, É. (2024). Inferring the Speed of Sound and Wind in the Nighttime Martian Boundary Layer From Impact-Generated Infrasound. *Geophysical Research Letters*, *51*(18), e2024GL109726. https://doi.org/10.1029/2024GL109726

Frost, D. A., Garnero, E. J., Creasy, N., Wolf, J., Bozdağ, E., Long, M. D., Aderoju, A., & Vite, R. (2024). Heterogeneous mantle effects on the behaviour of SmKS waves and outermost core imaging. *Geophysical Journal International*, *237*(3), 1655–1673. https://doi.org/10.1093/gji/ggae135

Fujiwara, T., Imai, K., Obayashi, M., Yoshida, K., Tada, N., Obana, K., Fujie, G., Ono, S., & Kodaira, S. (2024). The Sofu Seamount Submarine Volcano Present in the Source Area of the October 2023 Earthquakes and Tsunamis in Japan. *Geophysical Research Letters*, *51*(19), e2024GL109766. https://doi.org/10.1029/2024GL109766

Gable, S. L., & Huang, Y. (2024). New Estimates of Magnitude-Frequency Distribution and b-Value Using Relative Magnitudes for the 2011 Prague, Oklahoma Earthquake Sequence. *Journal of Geophysical Research: Solid Earth*, *129*(1), e2023JB026455. https://doi.org/10.1029/2023JB026455

Gamboa-Canté, C., Arroyo-Solórzano, M., Benito, B., Aguilar, J., Arroyo, I. G., Camacho-Astigarrabia, E., Castro, D., Flores, O., Linkimer, L., Marroquin, M. G., Mixco-Durán, L., Strauch, W., Talavera, E., Valle, G., & Yani-Quiyuch, R. (2024). Seismicity in Central America (1520–2020) and Earthquake catalog compilation for seismic hazard assessments. *Bulletin of Earthquake Engineering*, *22*(15), 7201–7234. https://doi.org/10.1007/s10518-024-02059-9

Ganbat, B., Yoshizawa, K., Sodnomsambuu, D., & Munkhuu, U. (2024). Upper mantle structure beneath the Mongolian region from multimode surface waves: Implications for the

western margin of Amurian plate. *Tectonophysics*, *890*, 230506. https://doi.org/10.1016/j.tecto.2024.230506

Gann-Phillips, C., Cabas, A., Ji, C., Cramer, C., Kaklamanos, J., & Boyd, O. (2024). Regional seismic velocity model for the U.S. Atlantic and Gulf Coastal Plains based on measured shear wave velocity, sediment thickness, and surface geology. *Earthquake Spectra*, *40*(2), 1269–1300. https://doi.org/10.1177/87552930231222960

Gao, R., Yin, C., Liang, H., Liu, Y., Wang, L., Su, Y., & Xiong, B. (2024). Three-dimensional simulation and characterization of airborne transient electromagnetic response in rough media. *Geophysics*, *89*(3), E61–E71. https://doi.org/10.1190/geo2022-0480.1

Garza-Giron, R., Lay, T., & Ye, L. (2024). The Repeating Major Earthquakes in the Mexican Subduction Zone Along Oaxaca: Implications for Future Events. Seismological Research Letters. https://doi.org/10.1785/0220240267

Gauntlett, M., Stephenson, S. N., Kendall, J.-M., Ogden, C., Hammond, J. O. S., Hudson, T., Goitom, B., & Ogubazghi, G. (2024). The Dynamic Crust of Northern Afar and Adjacent Rift Margins: New Evidence From Receiver Function Analysis in Eritrea and Ethiopia. *Geochemistry, Geophysics, Geosystems*, *25*(6), e2023GC011314. https://doi.org/10.1029/2023GC011314

Geng, Y., & Ishii, M. (2024). Body-wave speeds and polarizations in the presence of an initial deviatoric stress. *Geophysical Journal International*, *239*(3), 1943–1952. https://doi.org/10.1093/gji/ggae369

Gerier, S., Garcia, R. F., Martin, R., & Hertzog, A. (2024). Forward modeling of quake's infrasound recorded in the stratosphere on board balloon platforms. *Earth, Planets and Space*, *76*(1), 87. https://doi.org/10.1186/s40623-024-02030-7

Ghosh, S., & Sivakumar, R. (2024). Tectono-geomorphic anomaly and its significance for monitoring seismotectonic activity in Lower Tista sub-basin, India, using geoinformatics. *Physical Geography*, *45*(2), 125–159. https://doi.org/10.1080/02723646.2023.2188635

Girard, A. J., Shragge, J., Danilouchkine, M., Udengaard, C., & Gerritsen, S. (2024). Observations from the seafloor: ultra-low-frequency ambient ocean-bottom nodal seismology at the Amendment field. *Geophysical Journal International*, *239*(1), 17–36. https://doi.org/10.1093/gji/ggae249

Girmay, N., Miranda, E., & Poulos, A. (2024). Orientation and intensity of maximum response spectral ordinates during the December 20, 2022 Mw 6.4 Ferndale, California earthquake. *Soil Dynamics and Earthquake Engineering*, *176*, 108323. https://doi.org/10.1016/j.soildyn.2023.108323

Glasgow, M. E., Zhang, H., Schmandt, B., Zhou, W.-Y., & Zhang, J. (2024). Global variability of the composition and temperature at the 410-km discontinuity from receiver function analysis of dense arrays. *Earth and Planetary Science Letters*, *643*, 118889. https://doi.org/10.1016/j.epsl.2024.118889

Goblot, E., Liu, Y., Plourde, A., Cauchy, P., Mérindol, J., Bernier, C., Li, G., & Roth, B. (2024). Spatiotemporal Variability of Fin Whale and Blue Whale Calls Detected by Land Seismometers Along the Lower St. Lawrence Seaway. *Seismica*, *3*(2). https://doi.org/10.26443/seismica.v3i2.1153

Gochenour, J. A., Bilek, S. L., Woo, H. B., Luhmann, A. J., Grapenthin, R., & Martin, J. B. (2024). Ambient Seismic Noise Tomography Within the Floridan Aquifer System, Santa Fe River-Sink Rise, Florida, US. *Journal of Geophysical Research: Solid Earth*, *129*(5), e2023JB027644. https://doi.org/10.1029/2023JB027644

Gochenour, J. A., Rinehart, A. J., Luhmann, A. J., Grapenthin, R., & Bilek, S. L. (2024). Poroelastic Response to Karst Conduit Pressurization: A Finite Element Modeling Exercise Toward the Use of Tiltmeters in Karst Aquifer Monitoring Applications. *Water Resources Research*, *60*(7), e2022WR034293. https://doi.org/10.1029/2022WR034293

Godoladze, T., Gök, R., Onur, T., Gunia, I., Dzmanashvili, M., Boichenko, G., Buzaladze, A., Bondár, I., Ratiani, L., Rostomashvili, T., Nabelek, J., Javakhishvili, Z., Yetirmishli, G., Sandvol, E., Kadirioğlu, F. T., & Chiang, A. (2024). Compilation of a Comprehensive Earthquake Catalog and Relocations in the Caucasus Region. Seismological Research Letters. https://doi.org/10.1785/0220230206

Gök, R., Walter, W. R., Barno, J., Downie, C., Mellors, R. J., Mayeda, K., Roman-Nieves, J., Templeton, D., & Ajo-Franklin, J. (2024). Reliable Earthquake Source Parameters Using Distributed Acoustic Sensing Data Derived from Coda Envelopes. Seismological Research Letters, 95(4), 2208–2220. https://doi.org/10.1785/0220230270

Golos, E. M., Brunsvik, B., Eilon, Z., Fischer, K. M., Byrnes, J., & Gaherty, J. (2024). A New View of Shear Wavespeed and the Lithosphere-Asthenosphere Boundary in the Southwestern United States. *Journal of Geophysical Research: Solid Earth*, *129*(8), e2024JB029220. https://doi.org/10.1029/2024JB029220

González, Á. (2024). Improvements and Heterogeneities of the Global Centroid Moment Tensor Catalog. Seismological Research Letters, 95(6), 3566–3578. https://doi.org/10.1785/0220240272

Gorbunova, E., Besedina, A., Petukhova, S., & Pavlov, D. (2024). Hydrogeological Responses to the 2022 Tonga Volcanic Eruption in an Aseismic Region. *Pure and Applied Geophysics*, *181*(10), 3005–3018. https://doi.org/10.1007/s00024-024-03590-1

Gosselin, J. M., Biegel, K. M., Dettmer, J., Gilbert, H., Colpron, M., & Enkelmann, E. (2024). Crustal stress near the Yakutat microplate collision from probabilistic earthquake focal mechanisms. *Canadian Journal of Earth Sciences*, *62*(4), 807–820. https://doi.org/10.1139/cjes-2024-0095

Gourdeau, A., Prush, V. B., Rowe, C. D., Nackers, C., Mark, H., Morris, I., Rosset, P., Lamothe, M., Chouinard, L., & Tarling, M. S. (2024). Investigation of suspected Holocene fault scarp near Montréal, Québec: The first paleoseismic trench in eastern Canada. *Seismica*, *3*(2). https://doi.org/10.26443/seismica.v3i2.1179

Gourley, K. C., & Harig, C. (2024). The Influence of Mantle Structure on Dynamic Topography in Southern Africa. *Journal of Geophysical Research: Solid Earth*, *129*(10), e2024JB029223. https://doi.org/10.1029/2024JB029223

Graham, K. M., Bayona, J. A., Khawaja, A. M., Iturrieta, P., Serafini, F., Biondini, E., Rhoades, D. A., Savran, W. H., Maechling, P. J., Gerstenberger, M. C., Silva, F., & Werner, M. J. (2024). New Features in the pyCSEP Toolkit for Earthquake Forecast Development and Evaluation. Seismological Research Letters, 95(6), 3449–3463. https://doi.org/10.1785/0220240197

Gray, K. D., Johnson, K., Foster, D. A., & Isakson, V. (2024). Jura-Cretaceous synorogenic magmatism and relations to supercontinental rifting in the northwestern U.S. Cordillera. *GSA Bulletin*, *136*(9–10), 3735–3768. https://doi.org/10.1130/B37203.1

Grayver, A. (2024). Unravelling the Electrical Conductivity of Earth and Planets. *Surveys in Geophysics*, *45*(1), 187–238. https://doi.org/10.1007/s10712-023-09813-9

Grindrod, P. M., Daubar, I. J., Fernando, B., Kim, D., Collins, G. S., Stähler, S. C., Wojcicka, N., Posiolova, L. V., Froment, M., Beucler, É., Sansom, E., Garcia, R., & Zenhäusern, G. (2024). Extensive Secondary Cratering From the InSight Sol 1034a Impact Event. *Journal of Geophysical Research: Planets*, *129*(12), e2024JE008535. https://doi.org/10.1029/2024JE008535

Gu, Y. J., Sun, W., Yu, T., Wang, J., Wang, R., Li, T., & Schultz, R. (2024). Peace River Induced Seismic Monitoring (PRISM) Nodal Seismic Array. Seismological Research Letters, 96(1), 562–575. https://doi.org/10.1785/0220240029

Guan, Y., Zhang, B., Lü, Y., Hao, J., Li, J., & Ai, Y. (2024). Small-scale heterogeneities at the bottom of the lower mantle beneath the northern Bay of Bengal and the northern Gulf of Mexico by the analysis of PKP precursors. *Geophysical Journal International*, *236*(2), 819–833. https://doi.org/10.1093/gji/ggad440

Guilhem Trilla, A., & Cano, Y. (2024). Using Moment Tensor Inversions for Rapid Seismic Source Detection and Characterization: Application to the North Korean Nuclear Tests. *Pure and Applied Geophysics*. https://doi.org/10.1007/s00024-024-03455-7

Guo, H., Atterholt, J. W., McGuire, J. J., & Thurber, C. (2024). Evidence for Low Effective Stress Within the Crust of the Subducted Gorda Plate from the 2022 December Mw 6.4 Ferndale Earthquake Sequence. Seismological Research Letters. https://doi.org/10.1785/0220240078

Guo, Y., Li, H., Liang, P., Xiong, R., Hu, C., & Xu, Y. (2024). Preliminary report of coseismic surface rupture (part) of Türkiye's *M*W7.8 earthquake by remote sensing interpretation. *Earthquake Research Advances*, *4*(1), 100219. https://doi.org/10.1016/j.eqrea.2023.100219

Gupta, N., Das, J., & Kanungo, D. P. (2024). Earthquake-induced landslide hazard assessment using ground motion parameters: A case study for Bhagirathi Valley, Uttarakhand, India. *Journal of Earth System Science*, *134*(1), 5. https://doi.org/10.1007/s12040-024-02450-9

Guy, A., Tiberi, C., & Mijiddorj, S. (2024). Crustal Structures From Receiver Functions and Gravity Modeling in Central Mongolia. *Journal of Geophysical Research: Solid Earth*, *129*(1), e2023JB027614. https://doi.org/10.1029/2023JB027614

Ha, V. L., Huang, H.-H., Huang, B.-S., Nguyen, L. M., Nguyen, V. D., Ha, T. G., Le, Q. K., Dinh, Q. V., Le, T. S., Nguyen, T. H., Nguyen, C. N., Smith, K. K., & Pham, T. T. (2024). Geotectonic architecture beneath Northern Vietnam revealed by local earthquake tomography combining seismic data from multiple networks. *Tectonophysics*, *884*, 230402. https://doi.org/10.1016/j.tecto.2024.230402

Haeussler, P. J., Bender, A. M., Powers, P. M., Koehler, R. D., & Brothers, D. S. (2024). Updating the Crustal Fault Model for the 2023 National Seismic Hazard Model for Alaska. In *Tectonics and Seismic Structure of Alaska and Northwestern Canada* (pp. 85–127). American Geophysical Union (AGU). https://doi.org/10.1002/9781394195947.ch4

Halpaap, F., Ottemöller, L., Shiddiqi, H. A., & Rondenay, S. (2024). Lifecycle of an Isolated Seismic Swarm in Continental Southern Norway from Nucleation, Acceleration, and Yielding to the Demise of Fault Slip. Seismological Research Letters. https://doi.org/10.1785/0220240054

Han, C., Hammond, J. O. S., Ballmer, M. D., Wei, W., Xu, M., Huang, Z., & Wang, L. (2024). Multi-scale anisotropy in NE China: Evidence for localized mantle upwelling. *Earth and Planetary Science Letters*, *625*, 118495. https://doi.org/10.1016/j.epsl.2023.118495

Han, J., Han, J., Heo, D., Kim, S., Lee, S., Koh, M. H., Kim, J., Kwon, K. B., Ahn, B. S., Jeon, Y., Jo, K., Lim, Y., Lee, S.-J., Kang, T.-S., Rhie, J., & Ahn, U. (2024). Data and early results from temporary seismic arrays for monitoring and investigating magmatic processes beneath Mt. Halla and Ulleung Island volcanoes, South Korea. *Geosciences Journal*, *28*(5), 761–780. https://doi.org/10.1007/s12303-024-0027-z

Han, J., Rawlinson, N., Greenfield, T., White, R. S., Brandsdóttir, B., Winder, T., & Drouin, V. (2024). Evidence of a Shallow Magma Reservoir Beneath Askja Caldera, Iceland, From Body Wave Tomography. *Geophysical Research Letters*, *51*(9), e2023GL107851. https://doi.org/10.1029/2023GL107851

Han, S., Kim, W., Park, J. Y., Seo, M., & Kim, Y. (2024). Rupture Model of the 5 April 2024 Tewksbury, New Jersey, Earthquake Based on Regional Lg-Wave Data. *The Seismic Record*, *4*(3), 214–222. https://doi.org/10.1785/0320240020

Han, S., Kim, W.-Y., Lim, H., Son, Y. O., Seo, M.-S., Park, J. Y., & Kim, Y. (2024). Resolving Multi-Stage Rupture Process of the 2021 Mw 4.9 Offshore Jeju Island Earthquake From Relative Source Time Functions. *Geophysical Research Letters*, *51*(3), e2023GL106059. https://doi.org/10.1029/2023GL106059

Hanagan, C., Bennett, R. A., Barbour, A., & Hughes, A. N. (2024). Afterslip and Creep in the Rate-Dependent Framework: Joint Inversion of Borehole Strain and GNSS Displacements for the Mw 7.1 Ridgecrest Earthquake. *Journal of Geophysical Research: Solid Earth*, *129*(10), e2024JB028908. https://doi.org/10.1029/2024JB028908

Hanawalt, L. E., Cuilik, M. P., & Hawman, R. B. (2024). Using contrasts in horizontal P-wave reflectivity to map the base of the continental lithosphere: Results for the central and eastern U.S. *Tectonophysics*, *891*, 230512. https://doi.org/10.1016/j.tecto.2024.230512

Hanson, J. B., Sherburn, S., Behr, Y., Britten, K. M., Hughes, E. C., Jarvis, P. A., Lamb, O. D., Mazot, A., Fitzgerald, R. H., Scott, B. J., Fournier, N., Volcano Monitoring Group, & GeoNet team. (2024). Twenty years of volcano data at GeoNet—collection, custodianship, and evolution of open data on New Zealand's volcanoes. *Bulletin of Volcanology*, *86*(10), 81. https://doi.org/10.1007/s00445-024-01769-x

Hao, S., Chen, J., Xu, M., & Tong, P. (2024). Topography-Incorporated Adjoint-State Surface Wave Traveltime Tomography: Method and a Case Study in Hawaii. *Journal of Geophysical Research: Solid Earth*, *129*(1), e2023JB027454. https://doi.org/10.1029/2023JB027454

Hao, S., Wei, S. S., & Shearer, P. M. (2024). Substantial Global Radial Variations of Basalt Content Near the 660-km Discontinuity. *AGU Advances*, *5*(6), e2024AV001409. https://doi.org/10.1029/2024AV001409

Harrington, R., Kilb, D., Roth, M., Victor, P., & Verdecchia, A. (2024). Putting faults in the northern Chilean subduction margin into motion: evidence for remote dynamic earthquake triggering on the plate interface and within the forearc. *Seismica*, *3*(2). https://doi.org/10.26443/seismica.v3i2.1384

Hartzell, S., Leeds, A. L., Ramirez-Guzman, L., Langenheim, V., & Schmitt, R. G. (2024). Site Response in the Walnut Creek–Concord Region of San Francisco Bay, California: Ground-Motion Amplification in a Fault-Bounded Basin. *Bulletin of the Seismological Society of America*, *114*(5), 2668–2686. https://doi.org/10.1785/0120230309

Haynie, K. L., & Jadamec, M. A. (2024). Implications of Variable Plate Coupling Versus Plateau Buoyancy on Subduction Dynamics: A Case Study of the Yakutat Plateau in Alaska. In *Tectonics and Seismic Structure of Alaska and Northwestern Canada* (pp. 355–387). American Geophysical Union (AGU). https://doi.org/10.1002/9781394195947.ch13

He, B., Chen, Y., Lei, T., Lumley, D., Liu, Q., Takeuchi, N., Kawakatsu, H., & Zhu, H. (2024). Passive Source Reverse Time Migration Based on the Spectral Element Method. *Journal of Geophysical Research: Solid Earth*, *129*(10), e2023JB028370. https://doi.org/10.1029/2023JB028370

He, B., Wang, K., Liu, T., Lei, T., Du, N., van der Lee, S., Darbyshire, F. A., Frederiksen, A., Zhu, H., Lumley, D., Halls, H., & Liu, Q. (2024). Crustal and uppermost mantle structures of the North American Midcontinent Rift revealed by joint full-waveform inversion of ambient-noise data and teleseismic *P* waves. *Earth and Planetary Science Letters*, *641*, 118797. https://doi.org/10.1016/j.epsl.2024.118797

He, B., Zhu, H., & Lumley, D. (2024). Improving signal-to-noise ratios of ambient noise cross-correlation functions using local attributes. *Geophysical Journal International*, *238*(3), 1470–1490. https://doi.org/10.1093/gji/ggae228

He, P., Liu, C., Wen, Y., & Ding, K. (2024). Complex Rupture Features and Triggering during the 2022 Chishang Earthquake Sequence in Eastern Taiwan Estimated by InSAR, GPS, Strong Motion, and Teleseismic Waveform Evidence. Seismological Research Letters, 95(4), 2092–2104. https://doi.org/10.1785/0220230358

He, Z., Xu, W., Li, Z., Xie, L., Feng, G., Fang, N., Liu, X., Sun, K., Chen, Z., & Zhu, Z. (2024). Co and postseismic fault slip models of the 2022 *M*W6.7 Menyuan earthquake reveal conjugated faulting tectonics at the central section of the Lenglongling fault. *Earthquake Science*, *37*(4), 277–303. https://doi.org/10.1016/j.eqs.2024.04.008

He, Z., Zhang, Z., Wang, Z., & Wang, W. (2024). Slip-weakening distance and energy partitioning estimated from near-fault recordings during the 2023 Mw 7.8 Türkiye-Syria earthquake. *Tectonophysics*, *885*, 230424. https://doi.org/10.1016/j.tecto.2024.230424

Heki, K. (2024). Atmospheric resonant oscillations by the 2022 January 15 eruption of the Hunga Tonga–Hunga Ha'apai volcano from GNSS-TEC observations. *Geophysical Journal International*, *236*(3), 1840–1847. https://doi.org/10.1093/gji/ggae023

Hellweg, M., Dreger, D. S., Lomax, A., McPherson, R. C., & Dengler, L. (2024). The 2021 and 2022 North Coast California Earthquake Sequences and Fault Complexity in the Vicinity of the Mendocino Triple Junction. *Bulletin of the Seismological Society of America*. https://doi.org/10.1785/0120240023

Heo, D., Kang, T.-S., Kim, M., Ahn, B. S., Lim, H., Han, J., Kim, K.-H., Rhie, J., Kim, Y., & Ree, J.-H. (2024). New insights on seismic activity in the southeastern Korean Peninsula from the Gyeongju Hi-density Broadband Seismic Network (GHBSN). *Geosciences Journal*, *28*(3), 319–333. https://doi.org/10.1007/s12303-024-0003-7

Herman, M. W., & Furlong, K. P. (2024). Implications of the 2020–2021 Earthquakes for Megathrust Coupling and Seismicity in the Vicinity of the Shumagin Gap. In *Tectonics and Seismic Structure of Alaska and Northwestern Canada* (pp. 445–460). American Geophysical Union (AGU). https://doi.org/10.1002/9781394195947.ch16

Hernández-Bernal, J., Spiga, A., Forget, F., & Banfield, D. (2024). High-Order Harmonics of Thermal Tides Observed in the Atmosphere of Mars by the Pressure Sensor on the InSight Lander. *Geophysical Research Letters*, *51*(8), e2023GL107674. https://doi.org/10.1029/2023GL107674

Heryandoko, N., Nugraha, A. D., Zulfakriza, Z., Rosalia, S., Yudistira, T., Rohadi, S., Daryono, D., Supendi, P., Nurpujiono, N., Yusuf, F., Fauzi, F., Lesmana, A., Husni, Y. M., Prayitno, B. S., Triyono, R., Adi, S. P., Karnawati, D., Greenfield, T., Rawlinson, N., & Widiyantoro, S. (2024). Crustal structure of Borneo, Makassar Strait and Sulawesi from ambient noise tomography. *Geophysical Journal International*, *237*(2), 949–964. https://doi.org/10.1093/gji/ggae085

Heyburn, R., Green, D. N., Nippress, A., & Selby, N. D. (2024). The 26 September 2022 Nord Stream Events: Insights from Nearby Seismic Events. *The Seismic Record*, *4*(1), 1–10. https://doi.org/10.1785/0320230047

Hightower, E., Gurnis, M., & Mao, W. (2024). Influence of Farallon Slab Loading on Intraplate Stress and Seismicity in Eastern North America in the Presence of Pre-Existing Weak Zones. *Geochemistry, Geophysics, Geosystems*, *25*(6), e2024GC011493. https://doi.org/10.1029/2024GC011493

Hindeleh, H. B., Savage, M., Illsley-Kemp, F., & Mestel, E. R. H. (2024). How a non harmonic-like tremor at a volcanic lake could be caused by sustained wind: A case of study of Taupō volcano. *Volcanica*, *7*(2), 749–764. https://doi.org/10.30909/vol.07.02.749764

Hirose, H., Kato, A., & Kimura, T. (2024). Did Short-Term Preseismic Crustal Deformation Precede the 2011 Great Tohoku-Oki Earthquake? An Examination of Stacked Tilt Records. *Geophysical Research Letters*, *51*(12), e2024GL109384. https://doi.org/10.1029/2024GL109384

Ho, L. M., Walter, J. I., Hansen, S. E., Sánchez-Roldán, J. L., & Peng, Z. (2024). Evaluating Automated Seismic Event Detection Approaches: An Application to Victoria Land, East Antarctica. *Journal of Geophysical Research: Machine Learning and Computation*, *1*(3), e2024JH000185. https://doi.org/10.1029/2024JH000185

Horiuchi, T., Ichihara, M., Nishida, K., & Kaneko, T. (2024). A Seismic Precursor 15 min Before the Giant Eruption of Hunga Tonga-Hunga Ha'apai Volcano on 15 January 2022. *Geophysical Research Letters*, *51*(21), e2024GL111144. https://doi.org/10.1029/2024GL111144

Hotovec-Ellis, A. J. (2024). Seismic velocity changes from repetitive seismicity at Mauna Loa prior to and during its 2022 eruption. *Bulletin of Volcanology*, *87*(1), 9. https://doi.org/10.1007/s00445-024-01793-x

Hu, J., Phạm, T.-S., & Tkalčić, H. (2024). A Composite Seismic Source Model for the First Major Event During the 2022 Hunga (Tonga) Volcanic Eruption. *Geophysical Research Letters*, *51*(18), e2024GL109442. https://doi.org/10.1029/2024GL109442

Hu, Y., Liu, C., Wang, Z., & Zhao, F. (2024). Control of slab tears and slab flat wedging on volcanism in the Alaska subduction zone. *Scientific Reports*, *14*(1), 25683. https://doi.org/10.1038/s41598-024-76595-4

Huang X., Yin C., Su Y., Liu Y., Zhang B., Ren X., Li J., Yan S., & Chen H. (2024). Three-dimensional magnetotelluric inversion based on multigrid algorithm. *Chinese Journal of Geophysics*, *67*(8), 3150–3161. https://doi.org/10.6038/cjg2024R0724

Huang, F., Bao, X., Dai, Q. A., & Li, X. (2024). Structural similarity of lithospheric velocity models of Chinese mainland. *Earthquake Science*, *37*(6), 514–528. https://doi.org/10.1016/j.eqs.2024.05.004

Huang, G. D., & Savvaidis, A. (2024). Reactivated Seismogenic Faults and Earthquake Source Mechanisms in the Snyder Area of Texas. Seismological Research Letters, 95(6), 3709–3721. https://doi.org/10.1785/0220240048

Huang, G. D., Chen, Y., & Savvaidis, A. (2024). Complex Seismotectonic Characteristics in the Midland Basin of Texas: Constrained by Seismicity and Earthquake Source Mechanisms. Seismological Research Letters, 95(3), 1870–1884. https://doi.org/10.1785/0220230269

Huang, K., Wei, G., Chen, K., Zhang, N., Li, M., & Dal Zilio, L. (2024). The 2023 Mw 6.8 Morocco Earthquake: A Lower Crust Event Triggered by Mantle Upwelling? *Geophysical Research Letters*, *51*(12), e2024GL109052. https://doi.org/10.1029/2024GL109052

Huang, S.-K., Chao, W.-T., & Lin, Y.-X. (2024). Conditional generation of artificial earthquake waveforms based on adversarial networks. *Soil Dynamics and Earthquake Engineering*, *180*, 108622. https://doi.org/10.1016/j.soildyn.2024.108622

Huang, X., Chen, P., Lee, E.-J., Han, X., Sun, L., & Xu, Q. (2024). Source characterization of the December 2018 Anak Krakatau volcano sector collapse. *Natural Hazards*, *120*(14), 13331–13350. https://doi.org/10.1007/s11069-024-06701-2

Hui, G., Chen, S., & Gu, F. (2024). Strike–Slip Fault Reactivation Triggered by Hydraulic-Natural Fracture Propagation during Fracturing Stimulations near Clark Lake, Alberta. *Energy & Fuels*, *38*(19), 18547–18555. https://doi.org/10.1021/acs.energyfuels.4c02894

Hutchinson, J. A., Zhu, C., Bradley, B. A., Lee, R. L., Wotherspoon, L. M., Dupuis, M., Schill, C., Motha, J., Manea, E. F., & Kaiser, A. E. (2024). The 2023 New Zealand Ground-Motion Database. *Bulletin of the Seismological Society of America*, *114*(1), 291–310. https://doi.org/10.1785/0120230184

Hyndman, R. D., & Wang, K. (2024). New constraints to subduction zone arc and backarc mantle temperatures: a test of the corner flow model. *Canadian Journal of Earth Sciences*, *62*(4), 645–657. https://doi.org/10.1139/cjes-2024-0020

Iaccarino, A. G., Cristofaro, A., Picozzi, M., Spallarossa, D., & Scafidi, D. (2024). Real-time prediction of distance and PGA from P-wave features using Gradient Boosting Regressor for on-site earthquake early warning applications. *Geophysical Journal International*, *236*(1), 675–687. https://doi.org/10.1093/gji/ggad443

Innocent Oboué, Y. A. S., Chen, Y., Wang, J., Jiang, X., Dokht, R. M. H., Gu, Y. J., Koroni, M., & Chen, Y. (2024). High-Resolution Mantle Transition Zone Imaging Using Multi-Dimensional Reconstruction of SS Precursors. *Journal of Geophysical Research: Solid Earth*, *129*(5), e2023JB027012. https://doi.org/10.1029/2023JB027012

Ishikawa, Y., & Bai, L. (2024). The 2024 *M*j 7.6 Noto Peninsula, Japan earthquake caused by the fluid flow in the crust. *Earthquake Research Advances*, *4*(3), 100292. https://doi.org/10.1016/j.eqrea.2024.100292

Jacques, E., Hoste-Colomer, R., Feuillet, N., Lemoine, A., van der Woerd, J., Crawford, W. C., Berthod, C., & Bachèlery, P. (2024). Ring faulting and piston collapse in the mantle sustained the largest submarine eruption ever documented. *Earth and Planetary Science Letters*, *647*, 119026. https://doi.org/10.1016/j.epsl.2024.119026

Jadamec, M. A., Pavlis, G. L., Yang, X., Fischer, K. M., Shawn Wei, S., Everett Mann, M., & John Schaeffer, A. (2024). Synthesis of the Seismic Structure of the Greater Alaska Region: Geodynamics Implications. In *Tectonics and Seismic Structure of Alaska and Northwestern Canada* (pp. 267–298). American Geophysical Union (AGU). https://doi.org/10.1002/9781394195947.ch9

Jagt, L., Martin, C., Millet, F., Russell, S., & Cottaar, S. (2024). Pdiff Postcursors from the Base of the Hawaiian ULVZ. *The Seismic Record*, *4*(3), 204–213. https://doi.org/10.1785/0320240016

Janiszewski, H., Bennington, N., & Wight, J. (2024). A Seismic Nodal Deployment to Understand Magmatic Structure in the Vicinity of the Pāhala Earthquake Swarm. Seismological Research Letters, 95(5), 3082–3092. https://doi.org/10.1785/0220240060

Jensen, E. K., Moore, J. R., Geimer, P. R., & Finnegan, R. (2024). Combined ambient vibration and surface displacement measurements for improved progressive failure monitoring at a toppling rock slab in Utah, USA. *Frontiers in Earth Science*, *12*. https://doi.org/10.3389/feart.2024.1364653

Ji, Q., & Dunham, E. M. (2024). Ambient noise from the atmosphere within the seismic hum period band: A case study of hurricane landfall. *Earth and Planetary Science Letters*, *629*, 118589. https://doi.org/10.1016/j.epsl.2024.118589

Jia, Y., Chen, W., Kang, D., Peng, Y., Sun, Y., & Wang, D. (2024). Rapid determination of source parameters of the M6.2 Jishishan earthquake in Gansu Province and its application in emergency response. *Earthquake Research Advances*, *4*(4), 100310. https://doi.org/10.1016/j.eqrea.2024.100310

Jia, Y., Gao, S. S., & Liu, K. H. (2024). Spatial and temporal variations of seismic azimuthal anisotropy following the 2019 ridgecrest earthquake sequence in southern california. *Earth and Planetary Science Letters*, *644*, 118920. https://doi.org/10.1016/j.epsl.2024.118920

Jian, H., Canales, J. P., Dunn, R., & Nedimović, M. R. (2024). Hydrothermal flow and serpentinization in oceanic core complexes controlled by mafic intrusions. *Nature Geoscience*, *17*(6), 566–571. https://doi.org/10.1038/s41561-024-01444-y

Jimenez, C., & Wang, Y. (2024). Numerical modelling of the 1996 Chimbote-Peru tsunami earthquake (Mw 7.5). *Physics of the Earth and Planetary Interiors*, *348*, 107154. https://doi.org/10.1016/j.pepi.2024.107154

Jin, C., Ye, F., Zhang, H., & Bao, X. (2024). Travel time picking of ambient noise cross-correlation using a deep neural network combining convolutional neural networks and Transformer. *Acta Geophysica*, *72*(1), 97–114. https://doi.org/10.1007/s11600-023-01088-3

Jin, H., Luo, Y., Yang, Y., & Zhao, K. (2024). Extracting Multimodal Surface-Wave Dispersion Curves from Ambient Seismic Noise Using High-Resolution Linear Radon Transform. Seismological Research Letters, 96(1), 270–281. https://doi.org/10.1785/0220240016

Jin, Z., Yang, Y., Siregar, M. I., Mu, Z., Islam, S. M. A., Zhao, Q., Wang, D., Zhang, F., Yang, X., & Song, L. (2024). Seismic anisotropy and upper mantle dynamics in Alaska: A review of shear wave splitting analyses. *Earthquake Research Advances*, *4*(2), 100289. https://doi.org/10.1016/j.eqrea.2024.100289

Johnson, C. W., & Johnson, P. A. (2024). Seismic Features Predict Ground Motions During Repeating Caldera Collapse Sequence. *Geophysical Research Letters*, *51*(11), e2024GL108288. https://doi.org/10.1029/2024GL108288

Jones, T., Olivier, G., Murphy, B., Cole, L., Went, C., Olsen, S., Smith, N., Gal, M., North, B., & Burrows, D. (2024). Real-Time Ambient Seismic Noise Tomography of the Hillside Iron Oxide–Copper–Gold Deposit. *Minerals*, *14*(3), 254. https://doi.org/10.3390/min14030254

Juhel, K., Bletery, Q., Licciardi, A., Vallée, M., Hourcade, C., & Michel, T. (2024). Fast and full characterization of large earthquakes from prompt elastogravity signals. *Communications Earth & Environment*, *5*(1), 1–8. https://doi.org/10.1038/s43247-024-01725-9

Karasözen, E., & West, M. E. (2024). Toward the Rapid Seismic Assessment of Landslides in Coastal Alaska. *The Seismic Record*, *4*(1), 43–51. https://doi.org/10.1785/0320230044

Karplus, M. S., Nakata, N., Kaip, G. M., Harder, S. H., Gonzalez, L. F., Booth, A. D., Smith, E. C., Veitch, S. A., Walter, J. I., & Christoffersen, P. (2024). Signal characteristics of surface seismic explosive sources near the West Antarctic Ice Sheet divide. *Journal of Glaciology*, *70*, e16. https://doi.org/10.1017/jog.2024.41

Katsumata, K. (2024). Not trench-parallel but trench-normal source fault of the 1994 Hokkaido Toho-oki earthquake as revealed by the aftershock relocation using HypoDD. Earth, Planets and Space, 76(1), 126. https://doi.org/10.1186/s40623-024-02069-6

Katz, Z. S., Abers, G. A., Yang, Y., Ferris, A., Jordan, T. E., Pritchard, M. E., Fulton, P. M., & Gustafson, O. (2024). Seismic Monitoring near Ithaca, New York, Reveals Nonuniform Distribution of Microseismicity in an Intraplate Region. Seismological Research Letters, 95(5), 3042–3054. https://doi.org/10.1785/0220240158

Kaviani, A., Rümpker, G., Sens-Schönfelder, C., Komeazi, A., & Shapiro, N. (2024). Toroidal mantle flow beneath the NE termination of the Kuril–Kamchatka subduction zone from seismic anisotropy. *Geophysical Journal International*, *237*(1), 364–377. https://doi.org/10.1093/gji/ggae047

Kay, B., Heinson, G., & Boren, G. (2024). Multiscale resistivity mapping from an intracontinental hydrothermal mineral system, Adelaide Rift Complex, Australia. Gondwana Research, 129, 292–304. https://doi.org/10.1016/j.gr.2023.12.012

Kazemnia Kakhki, M., Mokhtari, A., Mansur, W. J., & Del Gaudio, V. (2024). Three-component high-resolution seismic time–frequency polarization filter. *Geophysical Journal International*, *236*(1), 270–289. https://doi.org/10.1093/gji/ggad407

Kehoe, H. L., & Kiser, E. D. (2024). Moment-dependent rupture properties of deep-focus earthquakes in the Izu-Bonin subduction zone. *Geophysical Journal International*, *237*(2), 663–678. https://doi.org/10.1093/gji/ggae062

Keleş, D., Eken, T., Licciardi, A., Frederiksen, A. W., & Taymaz, T. (2024). Depth-Dependent Anisotropy Along Northwest Segment of the North Anatolian Fault Zone: Evidence for Paleo-Tectonic Structures Contributing to Overall Complexity. *Journal of Geophysical Research: Solid Earth*, *129*(6), e2023JB028014. https://doi.org/10.1029/2023JB028014

Khalilidermani, M., & Knez, D. (2024). Shear Wave Velocity Applications in Geomechanics with Focus on Risk Assessment in Carbon Capture and Storage Projects. Energies, 17(7), 1578. https://doi.org/10.3390/en17071578

Kharita, A., Denolle, M. A., & West, M. E. (2024). Discrimination between icequakes and earthquakes in southern Alaska: an exploration of waveform features using Random Forest algorithm. *Geophysical Journal International*, *237*(2), 1189–1207. https://doi.org/10.1093/gji/ggae106

Khattak, G. R., Khan, G. M., & Yousaf, S. (2024). ConvEQ: Convolutional neural network for earthquake phase classification using short time frequency transform. Computers & Geosciences, 189, 105624. https://doi.org/10.1016/j.cageo.2024.105624

Kim, W.-Y., de Melo, G. W. S., & Assumpção, M. (2024). A Pn magnitude scale mb(Pn) for earthquakes along the equatorial Mid-Atlantic Ridge. *Geophysical Journal International*, *238*(3), 1696–1707. https://doi.org/10.1093/gji/ggae242

Kintner, J. A., Delbridge, B., Alfaro-Diaz, R., & Scott Phillips, W. (2024). Seismic Discrimination Using Regional Distance Coda-Wave Ratios. Seismological Research Letters. https://doi.org/10.1785/0220240223

Klaus, L., Schwardt, M., Pilger, C., Canu, A., Larsonnier, F., Winther, J. H., Tranchant, N., & Havreland, A. (2024). Linking Seismic Measurements to the International System of Units. *Pure and Applied Geophysics*. https://doi.org/10.1007/s00024-024-03493-1

Ko, Y. (Justin), & Hu, K.-J. (2024). Refining Heterogeneities near the Core–Mantle Boundary Beneath East Pacific Regions: Enhanced Differential Travel-Time Analysis Using USArray. Geosciences, 14(11), 309. https://doi.org/10.3390/geosciences14110309

Kondo, Y., Obayashi, M., Sugioka, H., Shiobara, H., Ito, A., Shinohara, M., Iwamori, H., Kinoshita, M., Miller, M., Tassara, C., & Ojeda, J. (2024). Seismic Image of the Central to Southern Andean Subduction Zone Through Finite-Frequency Tomography. *Journal of Geophysical Research: Solid Earth*, *129*(11), e2024JB028844. https://doi.org/10.1029/2024JB028844

Kong, H., Xiao, Z., Lü, Y., & Li, J. (2024). Seis-PnSn: A Global Million-Scale Benchmark Data Set of Pn and Sn Seismic Phases for Deep Learning. Seismological Research Letters, 95(6), 3746–3760. https://doi.org/10.1785/0220230379

Kong, Q., Walter, W. R., Wang, R., & Schmandt, B. (2024). Evaluating Physics-Informed Neural Network Performance for Seismic Discrimination between Earthquakes and

Explosions. Seismological Research Letters, 96(1), 147–156. https://doi.org/10.1785/0220240097

Koper, K. D., Burlacu, R., Armstrong, A. D., & Herrmann, R. B. (2024). Classifying small earthquakes, explosions and collapses in the western United States using physics-based features and machine learning. *Geophysical Journal International*, *239*(2), 1257–1270. https://doi.org/10.1093/gji/ggae316

Koper, K. D., Burlacu, R., Murray, R., Baker, B., Tibi, R., & Mueen, A. (2024). Inferring the Focal Depths of Small Earthquakes in Southern California Using Physics-Based Waveform Features. *Bulletin of the Seismological Society of America*, *114*(5), 2376–2396. https://doi.org/10.1785/0120230307

Köpfli, M., Denolle, M. A., Thelen, W. A., Makus, P., & Malone, S. D. (2024). Examining 22 Years of Ambient Seismic Wavefield at Mount St. Helens. Seismological Research Letters, 95(5), 2622–2636. https://doi.org/10.1785/0220240079

Kopnichev, Yu. F., & Sokolova, I. N. (2024). Inhomogeneities in the Attenuation Field of Short Period Shear Waves in the Kuriles and Kamchatka, and Their Relation to Large and Great Earthquakes. *Journal of Volcanology and Seismology*, *18*(1), 23–31. https://doi.org/10.1134/S0742046323700434

Kounoudis, R., Kendall, J.-M., Ogden, C. S., Fishwick, S., Chifwepa, C., & Daly, M. C. (2024). The tectonic development of the Central African Plateau: evidence from shear-wave splitting. *Geophysical Journal International*, *239*(3), 1694–1708. https://doi.org/10.1093/gji/ggae345

Kramer, R. L., Thelen, W. A., Iezzi, A. M., Moran, S. C., & Pauk, B. A. (2024). Recent Expansion of the Cascades Volcano Observatory Geophysical Network at Mount Rainier for Improved Volcano and Lahar Monitoring. Seismological Research Letters, 95(5), 2707–2721. https://doi.org/10.1785/0220240112

Kubota, T., Sandanbata, O., Saito, T., & Matsuzawa, T. (2024). Accelerating Seafloor Uplift of Submarine Caldera Near Sofugan Volcano, Japan, Resolved by Distant Tsunami Recordings. *Geophysical Research Letters*, *51*(12), e2024GL108415. https://doi.org/10.1029/2024GL108415

Kuehn, H., Nedimović, M. R., Shillington, D. J., & Bécel, A. (2024). Variations in Reflection Signature and Slip Behavior of the Subduction Interface Offshore Alaska Peninsula From 152° to 161°W. In Tectonics and Seismic Structure of Alaska and Northwestern Canada (pp. 419–444). American Geophysical Union (AGU). https://doi.org/10.1002/9781394195947.ch15

Kuehn, T., Holt, J. W., Johnson, R., & Meng, T. (2024). Active Seismic Refraction, Reflection, and Surface-Wave Surveys in Thick Debris-Covered Glacial Environments. *Journal of Geophysical Research: Earth Surface*, *129*(1), e2023JF007304. https://doi.org/10.1029/2023JF007304

Kumar, M. R., Singh, A., & Saikia, D. (2024). Deep low velocity layer in the sublithospheric mantle beneath India. *Geophysical Journal International*, *239*(1), 503–516. https://doi.org/10.1093/gji/ggae275

Kumar, V., Khan, P. K., Sarkar, R., & Pal, S. K. (2024). Seismic hazard assessment of Faizabad region of Uttar Pradesh, India, utilizing deterministic and probabilistic approaches. Journal of Earth System Science, 134(1), 8. https://doi.org/10.1007/s12040-024-02451-8

Kuponiyi, A. P., Kao, H., Dosso, S. E., Cassidy, J. F., Spence, G., & Ardakani, O. H. (2024). Three-dimensional geometry of sedimentary basins and Moho beneath Western Canada from ambient seismic noise tomography. *Canadian Journal of Earth Sciences*, *62*(4), 821–842. https://doi.org/10.1139/cjes-2024-0069

Kupres, C. A., Yang, X., Haney, M., & Roman, D. C. (2024). Sustained Co-Eruptive Increase in Seismic Velocity Below Great Sitkin Volcano Due To Magma Extrusion. *Geophysical Research Letters*, *51*(15), e2024GL108991. https://doi.org/10.1029/2024GL108991

Kutschera, F., Jia, Z., Oryan, B., Wong, J. W. C., Fan, W., & Gabriel, A.-A. (2024). The Multi-Segment Complexity of the 2024 7.5 Noto Peninsula Earthquake Governs Tsunami Generation. *Geophysical Research Letters*, *51*(21), e2024GL109790. https://doi.org/10.1029/2024GL109790

Lai, V. H., Hodgkinson, K. M., Porritt, R. W., & Mellors, R. (2024). Toward a Metadata Standard for Distributed Acoustic Sensing (DAS) Data Collection. Seismological Research Letters, 95(3), 1986–1999. https://doi.org/10.1785/0220230325

Lamiri, S., Radi, Z., & Layadi, K. (2024). Geodynamic evolution of north-east Algerian basin: 3D velocity model Reveals high-temperature flow. Journal of African Earth Sciences, 209, 105122. https://doi.org/10.1016/j.jafrearsci.2023.105122

Lara, P., Tavera, H., Bletery, Q., Ampuero, J., Inza, A., Portugal, D., Orihuela, B., & Meza, F. (2024). Implementation of the Peruvian Earthquake Early Warning System. *Bulletin of the Seismological Society of America*. https://doi.org/10.1785/0120240119

Latto, R. B., Turner, R. J., Reading, A. M., & Winberry, J. P. (2024). Towards the systematic reconnaissance of seismic signals from glaciers and ice sheets – Part 1: Event detection for cryoseismology. The Cryosphere, 18(4), 2061–2079. https://doi.org/10.5194/tc-18-2061-2024

Latto, R. B., Turner, R. J., Reading, A. M., Cook, S., Kulessa, B., & Winberry, J. P. (2024). Towards the systematic reconnaissance of seismic signals from glaciers and ice sheets – Part 2: Unsupervised learning for source process characterization. The Cryosphere, 18(4), 2081–2101. https://doi.org/10.5194/tc-18-2081-2024

Lee, M. K., Tan, Y. J., Russell, J. B., Tolstoy, M., & Waldhauser, F. (2024). Relative Seismic Velocity Variations at Axial Seamount Observed With Ambient Seismic Noise Capture Transition Point in Volcanic Inflation. *Geophysical Research Letters*, *51*(10), e2024GL108883. https://doi.org/10.1029/2024GL108883

Lee, S.-J., Liu, T.-Y., & Lin, T.-C. (2024). Abnormal apparent supershear rupture with discontinuous jumping propagation during the 2023 Türkiye M7.8 earthquake. *Communications Earth & Environment*, *5*(1), 1–10. https://doi.org/10.1038/s43247-024-01481-w

Legre, J.-J., Qin, Y., Kolawole, F., & Olugboji, T. (2024). The Intraplate Stress Field of West Africa. *Geophysical Research Letters*, *51*(11), e2023GL107614. https://doi.org/10.1029/2023GL107614

Leite Neto, G. S., Julià, J., & Prieto, G. A. (2024). Deep-Focus Earthquake Mechanisms at the Subducting Nazca Plate (Peru-Brazil Border): Cold Slab Behavior in a Warm Plate. Earth and Space Science, 11(10), e2024EA003617. https://doi.org/10.1029/2024EA003617

Lellouch, A., Inbal, A., & Ziv, A. (2024). Shear-Wave Velocity Model for the Dead Sea Transform from Multimode Inversion of Surface Waves Excited by the February 2023 Southeast Türkiye Earthquake Sequence. Seismological Research Letters, 95(3), 1926–1938. https://doi.org/10.1785/0220230303

Li H., Chen X., Chen J., Cai H., Liu Q., Feng X., & Zhang G. (2024). Study on shallow S-wave velocity structure of Xiamen Island with the frequency-Bessel transform method from seismic ambient noise. *Chinese Journal of Geophysics*, *67*(7), 2654–2667. https://doi.org/10.6038/cjg2023R0129

Li, C., & Yu, C. (2024). Seismic Evidence for Crustal Magmatic Intrusion Beneath the Southern Part of the Eastern North American Margin. *Journal of Geophysical Research: Solid Earth*, *129*(5), e2023JB028143. https://doi.org/10.1029/2023JB028143

Li, D., & Gabriel, A.-A. (2024). Linking 3D Long-Term Slow-Slip Cycle Models With Rupture Dynamics: The Nucleation of the 2014 Mw 7.3 Guerrero, Mexico Earthquake. AGU Advances, 5(2), e2023AV000979. https://doi.org/10.1029/2023AV000979

Li, D., Nandy, S., Hui, H., Holan, S. H., & Sandvol, E. (2024). Predicting Lg Blockage in the Middle East Using a Bayesian Lasso Logistic Regression Model. *Bulletin of the Seismological Society of America*. https://doi.org/10.1785/0120240076

Li, H., Chen, X., Zhang, M., Niu, X., Xu, J., & Sun, H. (2024). Noise Variation Characteristics of the Superconducting Gravimeter at Jiufeng Station in Wuhan (China). Sensors, 24(23), 7446. https://doi.org/10.3390/s24237446

Li, J., Pei, S., Sun, Q., Liu, H., Liu, W., Hua, Q., & Li, L. (2024). Oblique Rifting in the Southern Tibetan Plateau Revealed From 3-D High-Resolution Seismic Travel-Time Tomography Around the India–Eurasia Continental Collision Zone. *Journal of Geophysical Research: Solid Earth*, *129*(12), e2024JB029447. https://doi.org/10.1029/2024JB029447

Li, J., Tian, D., Sun, D., & Tong, P. (2024). D" Structures Beneath the East China Sea Resolved by P-Wave Slowness Anomalies. *Journal of Geophysical Research: Solid Earth*, *129*(11), e2024JB029584. https://doi.org/10.1029/2024JB029584

Li, J., Zhang, B., Sun, D., Tian, D., & Yao, J. (2024). Detailed 3D Structures of the Western Edge of the Pacific Large Low Velocity Province. *Journal of Geophysical Research: Solid Earth*, *129*(4), e2023JB028032. https://doi.org/10.1029/2023JB028032

Li, L., Zhang, J., Shen, X., Wang, X., He, J., Zhao, L., Deng, Z., & Gao, R. (2024). Seismological Constraints on the Causes of Intraplate Earthquakes in Yangjiang Region, South China. *Journal of Geophysical Research: Solid Earth*, *129*(3), e2023JB027715. https://doi.org/10.1029/2023JB027715

Li, S., Schulte-Pelkum, V., Barnhart, W. D., Chen, L., Karplus, M., & Oncken, O. (2024). Weak, Vertically Stronger Main Himalayan Thrust in the India-Asia Collision. *Geophysical Research Letters*, *51*(16), e2024GL110222. https://doi.org/10.1029/2024GL110222

Li, T., Wu, S., & Tong, P. (2024). Multilevel transcrustal magmatic system beneath the Geysers-Clear Lake area. Proceedings of the National Academy of Sciences, 121(12), e2317809121. https://doi.org/10.1073/pnas.2317809121

Li, W. P., Wu, Y. M., Gao, X., Wang, W. M., Yang, Z. H., & Liu, H. J. (2024). The Distribution Pattern of Ground Movement and Co-Seismic Landslides: A Case Study of the 5 September 2022 Luding Earthquake, China. *Journal of Geophysical Research: Earth Surface*, *129*(5), e2023JF007534. https://doi.org/10.1029/2023JF007534

Li, W., Zhao, L., Tan, K., Lu, X., Zhang, C., Li, C., & Han, S. (2024). Coseismic deformation and fault slip distribution of the 2023 MW7.8 and MW7.6 earthquakes in Türkiye. Earthquake Science, 37(3), 263–276. https://doi.org/10.1016/j.eqs.2024.03.006

Li, Y., & Nikulin, A. (2024). Characterization of anisotropy in basin-scale subsurface using teleseismic receiver function analysis. *The Leading Edge*, *43*(1), 37–45. https://doi.org/10.1190/tle43010037.1

Li, Y., Zhang, Z., & Chen, X. (2024). Developing a rapid assessment framework for China earthquake disaster losses: insights from physical simulations of the Yangbi earthquake. Npj Natural Hazards, 1(1), 1–9. https://doi.org/10.1038/s44304-024-00037-4

Li, Z., Martin, C., & Cottaar, S. (2024). Seismic Observation of a New ULVZ Beneath the Southern Pacific. *Journal of Geophysical Research: Solid Earth*, *129*(4), e2023JB026941. https://doi.org/10.1029/2023JB026941

Li, Z., Wiens, D. A., Shen, W., & Shillington, D. J. (2024). Along-Strike Variations of Alaska Subduction Zone Structure and Hydration Determined From Amphibious Seismic Data. *Journal of Geophysical Research: Solid Earth*, *129*(3), e2023JB027800. https://doi.org/10.1029/2023JB027800

Liang, L., Du, S., Chen, T., Wu, S., & Tong, X. (2024). Fast FBG Interrogation for Acoustic Sensing Using Predictive Scan Path Compression. Journal of Lightwave Technology, 42(6), 2159–2169. https://doi.org/10.1109/JLT.2023.3331184

Liang, X., Zhao, D., Hua, Y., & Xu, Y.-G. (2024). Big Mantle Wedge and Intraplate Volcanism in Alaska: Insight From Anisotropic Tomography. *Journal of Geophysical Research: Solid Earth*, *129*(1), e2023JB027617. https://doi.org/10.1029/2023JB027617

Lin, G.-P., Chang, W.-L., & Chiu, C.-Y. (2024). Unraveling the role played by a buried mud diapir: alternative model for 2016 Mw 6.4 MeiNong earthquake in southwestern Taiwan. Geoscience Letters, 11(1), 21. https://doi.org/10.1186/s40562-024-00335-9

Lin, J.-T., Thomas, A., Bachelot, L., Toomey, D., Searcy, J., & Melgar, D. (2024). Detection of Hidden Low-Frequency Earthquakes in Southern Vancouver Island with Deep Learning. Seismica, 2(4). https://doi.org/10.26443/seismica.v2i4.1134

Lin, Y., & Zhao, L. (2024). Upper-Mantle Anisotropy in the Southeastern Margin of Tibetan Plateau Revealed by Fullwave SKS Splitting Intensity Tomography. *Journal of Geophysical Research: Solid Earth*, *129*(3), e2023JB027629. https://doi.org/10.1029/2023JB027629

Lindner, M., Rietbrock, A., Bie, L., Gao, Y.-J., Goes, S., & Frietsch, M. (2024). Complex Martinique Intermediate-Depth Earthquake Reactivates Early Atlantic Break-Up Structures. *Geophysical Research Letters*, *51*(11), e2024GL108922. https://doi.org/10.1029/2024GL108922

Link, F., & Long, M. D. (2024). SItomo – A toolbox for splitting intensity tomography and application in the Eastern Alps. *Journal of Geodynamics*, *159*, 102018. https://doi.org/10.1016/j.jog.2024.102018

Liu, C., & Ritzwoller, M. H. (2024). Seismic Anisotropy and Deep Crustal Deformation Across Alaska. *Journal of Geophysical Research: Solid Earth*, *129*(5), e2023JB028525. https://doi.org/10.1029/2023JB028525

Liu, C., Bai, Y., Lay, T., He, P., Wen, Y., Wei, X., Xiong, N., & Xiong, X. (2024). Shallow crustal rupture in a major *MW* 7.5 earthquake above a deep crustal seismic swarm along the Noto Peninsula in western Japan. *Earth and Planetary Science Letters*, *648*, 119107. https://doi.org/10.1016/j.epsl.2024.119107

Liu, C., Sheehan, A. F., & Ritzwoller, M. H. (2024). Seismic Azimuthal Anisotropy Beneath the Alaska Subduction Zone. *Geophysical Research Letters*, *51*(14), e2024GL109758. https://doi.org/10.1029/2024GL109758

Liu, C., Yang, W., & Wang, W. (2024). Crustal shear wave velocity and radial anisotropy beneath the Mississippi embayment from ambient noise tomography. *Tectonophysics*, *876*, 230268. https://doi.org/10.1016/j.tecto.2024.230268

Liu, D., Wang, Z., Zhao, D., Hu, H., & Gao, R. (2024). Accretionary Wedge, Arc Magmatism and Fluid Migration in Northern Sumatra: Insight From Seismic Attenuation Tomography. *Journal of Geophysical Research: Solid Earth*, *129*(12), e2024JB029777. https://doi.org/10.1029/2024JB029777

Liu, F., Li, J., Fu, L., & Lu, L. (2024). Multimodal surface wave inversion with automatic differentiation. *Geophysical Journal International*, *238*(1), 290–312. https://doi.org/10.1093/gji/ggae155

Liu, Q., Zhou, Y., Ni, S., Xu, M., Qiu, Y., Zhang, Y., Yu, C., & Chu, R. (2024). Resolvability of Multiple Microseismic P-Wave Source Regions with Two Large Seismic Arrays in China and the United States. Seismological Research Letters. https://doi.org/10.1785/0220230265

Liu, W., Wang, H., Xi, Z., & Wang, L. (2024). Physics-Informed Deep Learning Inversion with Application to Noisy Magnetotelluric Measurements. Remote Sensing, 16(1), 62. https://doi.org/10.3390/rs16010062

Liu, W., Zeng, L., Yao, H., Yu, Z., & Chen, X. (2024). Asymmetric Bilateral Rupture of the 2021 Mw 7.4 Maduo Earthquake in China and Association with Seismogenic Fault Structures. Seismological Research Letters, 96(1), 324–339. https://doi.org/10.1785/0220240031

Liu, X., & Li, Z. (2024). Trend of ambient seismic noise attenuation tomography: Theory and applications. Science China Earth Sciences, 67(10), 3326–3330. https://doi.org/10.1007/s11430-024-1416-x

Liu, X., Xiao, Z., Li, J., & Nakamura, Y. (2024). Newly Discovered Temperature-Related Long-Period Signals in Lunar Seismic Data by Deep Learning. Earth and Space Science, 11(7), e2024EA003676. https://doi.org/10.1029/2024EA003676

Liu, Y., Zheng, J., Wang, R., Peng, S., & Shen, S. (2024). DMLoc: Automatic Microseismic Locating Workflow Based on Deep Learning and Waveform Migration. Seismological Research Letters, 95(5), 2997–3007. https://doi.org/10.1785/0220230391

Liu, Z., Li, Z., Yu, C., Zhang, X., & Peng, J. (2024). Stress triggering and future seismic hazards implied by four large earthquakes in the Pamir from 2015 to 2023 revealed by Sentinel-1 radar interferometry. *Geophysical Journal International*, *237*(2), 887–901. https://doi.org/10.1093/gji/ggae079

Löberich, E., & Long, M. D. (2024). Follow the Trace: Becoming a Seismo-Detective with a Campus-Based Raspberry Shake Seismometer. Seismological Research Letters, 95(4), 2538–2553. https://doi.org/10.1785/0220230365

Löer, K., & Finger, C. (2024). B3AM: A beamforming toolbox for three-component ambient seismic noise analysis. Seismica, 3(2). https://doi.org/10.26443/seismica.v3i2.1343

Long, M. D. (2024). Evolution, Modification, and Deformation of Continental Lithosphere: Insights from the Eastern Margin of North America. Annual Review of Earth and Planetary Sciences, 52, 549–580. https://doi.org/10.1146/annurev-earth-040522-115229

Lu, Y., Zhao, L.-F., Pang, X.-L., & Yao, Z.-X. (2024). Yield estimation of North Korean underground nuclear tests using Lg-wave source spectra. Frontiers in Earth Science, 12. https://doi.org/10.3389/feart.2024.1386932

Lü, Z., Lei, J., Kong, Q., Liu, Q., & Sun, J. (2024). Seismic structure of the 2015 Mw7.8 Gorkha earthquake revealed by ambient seismic noise and teleseismic surface wave tomography. *Scientific Reports*, *14*(1), 7921. https://doi.org/10.1038/s41598-024-57713-8

Lü, Z., Liu, Q., Kong, Q., Sun, J., & Liu, Z. (2024). Regional noise source location based on the time delays between station pairs from ambient noise interferometry. *Scientific Reports*, *14*(1), 10268. https://doi.org/10.1038/s41598-024-60313-1

Luckie, T., & Porritt, R. (2024). Performance of synthetic DAS as a function of array geometry. Seismica, 3(2). https://doi.org/10.26443/seismica.v3i2.1146

Lux, A. I., Smith, D., Böse, M., McGuire, J. J., Saunders, J. K., Huynh, M., Stubailo, I., Andrews, J., Lotto, G., Crowell, B., Crane, S., Allen, R. M., Given, D., Hartog, R., Heaton, T., Husker, A., Marty, J., O'Driscoll, L., Tobin, H., … Toomey, D. (2024). Status and Performance of the ShakeAlert Earthquake Early Warning System: 2019–2023. *Bulletin of the Seismological Society of America*, *114*(6), 3041–3062. https://doi.org/10.1785/0120230259

Lynn, K. J., Downs, D. T., Trusdell, F. A., Wieser, P. E., Rangel, B., McDade, B., Hotovec-Ellis, A. J., Bennington, N., Anderson, K. R., Ruth, D. C. S., DeVitre, C. L., Ellis, A. P., Nadeau, P. A., Clor, L., Kelly, P., Dotray, P. J., & Chang, J. C. (2024). Triggering the 2022 eruption of Mauna Loa. *Nature Communications*, *15*(1), 9451. https://doi.org/10.1038/s41467-024-52881-7

Lynner, C., & Eilon, Z. C. (2024). Lithospheric and asthenospheric anisotropic gradients along the Eastern North American Margin imaged by frequency dependent quasi-Love wave scattering. *Tectonophysics*, *881*, 230350. https://doi.org/10.1016/j.tecto.2024.230350

Lynner, C., Toro-Acosta, C., Paulson, E., & Birkey, A. (2024). Local-S shear wave splitting along the length of the Alaska–Aleutian subduction zone. *Geophysical Journal International*, *237*(3), 1567–1574. https://doi.org/10.1093/gji/ggae107

Ma, S., Shao, X., Li, K., & Xu, C. (2024). Landslides triggered by the 30th June 2012 Ms6.6 Hejing earthquake, Xinjiang province, China. Bulletin of Engineering Geology and the Environment, 83(6), 256. https://doi.org/10.1007/s10064-024-03727-5

Ma, Z., Mir, R. R., Dalton, C. A., & Godfrey, K. E. (2024). Choosing Appropriate Regularization Parameters by Splitting Data into Training and Validation Sets—Application in Global Surface-Wave Tomography. Seismological Research Letters, 95(5), 3029–3041. https://doi.org/10.1785/0220230032

Ma, Z., Zeng, H., Luo, H., Liu, Z., Jiang, Y., Aoki, Y., Wang, W., Itoh, Y., Lyu, M., Cui, Y., Yun, S.-H., Hill, E. M., & Wei, S. (2024). Slow rupture in a fluid-rich fault zone initiated the 2024 Mw 7.5 Noto earthquake. *Science*, *385*(6711), 866–871. https://doi.org/10.1126/science.ado5143

Maguire, R., Schmandt, B., Wang, R., Kong, Q., & Sanchez, P. (2024). Generalization of Deep-Learning Models for Classification of Local Distance Earthquakes and Explosions across Various Geologic Settings. Seismological Research Letters, 95(4), 2229–2238. https://doi.org/10.1785/0220230267

Mahanama, A., Gabrielli, S., Cramer, C. H., & Akinci, A. (2024). Separation of Intrinsic and Scattering Seismic Wave Attenuation in the Crust of Central and South-Central Alaska.

Bulletin of the Seismological Society of America, *114*(6), 2963–2977. https://doi.org/10.1785/0120240094

Mahanti, S. S., Kiser, E., Beck, S., & Hughes, A. (2024). Seismicity and Present-Day Crustal Deformation in the Southern Puna Plateau. *Journal of Geophysical Research: Solid Earth*, *129*(12), e2024JB028918. https://doi.org/10.1029/2024JB028918

Maher, S. P., Dawson, P. B., Hotovec-Ellis, A. J., Thelen, W. A., & Matoza, R. S. (2024). Automated Detection of Volcanic Seismicity Using Network Covariance and Image Processing. Seismological Research Letters, 95(5), 2580–2594. https://doi.org/10.1785/0220240014

Maher, S. P., Glasgow, M. E., Cochran, E. S., & Peng, Z. (2024). Distinguishing Natural Sources from Anthropogenic Events in Seismic Data. Seismological Research Letters, 96(1), 1–6. https://doi.org/10.1785/0220240330

Maitreyi, Singh, C., Singh, A., Uthaman, M., Sarkar, S., Kumar, G., Dutta, A., Salam Siddiqui, A., & Bose, S. (2024). Assessment of seismic station performance in north Chhattisgarh, India: a comprehensive ambient noise analysis. Geomatics, Natural Hazards and Risk, 15(1), 2404596. https://doi.org/10.1080/19475705.2024.2404596

Makus, P., Denolle, M. A., Sens-Schönfelder, C., Köpfli, M., & Tilmann, F. (2024). Analyzing Volcanic, Tectonic, and Environmental Influences on the Seismic Velocity from 25 Years of Data at Mount St. Helens. Seismological Research Letters, 95(5), 2674–2688. https://doi.org/10.1785/0220240088

Malytskyy, D., Křížová, D., Lognonné, P., Kawamura, T., Perrin, C., Plasman, M., Xu, Z., & Maguire, R. (2024). High- and Low-Frequency Waveform Analysis the Marsquake of Sol 1222: Focal Mechanism, Centroid Moment Tensor Inversion and Source Time Function. Earth and Space Science, 11(3), e2023EA003272. https://doi.org/10.1029/2023EA003272

Mann, M. E., Abers, G. A., & Fulton, P. M. (2024). Insights into the environment surrounding the subduction megathrust using teleseismic *P*-to-*S* and *P*-to-*P* scattered phases. *Earth and Planetary Science Letters*, *629*, 118588. https://doi.org/10.1016/j.epsl.2024.118588

Mann, M. E., Fischer, K. M., & Benowitz, J. A. (2024). Inherited Crustal Features and Southern Alaska Tectonic History Constrained by Sp Receiver Functions. In Tectonics and Seismic Structure of Alaska and Northwestern Canada (pp. 335–353). American Geophysical Union (AGU). https://doi.org/10.1002/9781394195947.ch12

Marignier, A., Eakin, C. M., Hejrani, B., Agrawal, S., & Hassan, R. (2024). Sediment thickness across Australia from passive seismic methods. *Geophysical Journal International*, *237*(2), 849–861. https://doi.org/10.1093/gji/ggae070

Mark, H. F. (2024). Refining the Extent and Depth of the Shear Zone Surrounding the Alpine Fault Using Receiver Function Harmonics. *Geophysical Research Letters*, *51*(23), e2024GL112092. https://doi.org/10.1029/2024GL112092

Mark, O. K., Illsley-Kemp, F., Townend, J., & Barker, S. J. (2024). Evidence From Intermediate-Depth Earthquakes of Slab-Derived Fluids Beneath the Taupō Volcanic Zone. *Journal of Geophysical Research: Solid Earth*, *129*(5), e2023JB028586. https://doi.org/10.1029/2023JB028586

Marshall, N., Ou, Q., Begenjev, G., Bergman, E., Bezmenov, Y., Dodds, N., Gruetzner, C., Hudson, T., Pierce, I., Mirzin, R., Rhodes, E., Walker, R. T., & Wordsworth, P. (2024). Seismotectonic aspects of the Ms 7.3 1948 October 5 Aşgabat (Ashgabat) earthquake, Türkmenistan: right-lateral rupture across multiple fault segments, and continuing urban hazard. *Geophysical Journal International*, *237*(1), 315–338. https://doi.org/10.1093/gji/ggad488

Martin, C., Russell, S., & Cottaar, S. (2024). Detection of a ULVZ in the Central Pacific using high frequency Sdiff postcursors. *Earth and Planetary Science Letters*, *648*, 119028. https://doi.org/10.1016/j.epsl.2024.119028

Masis, R., Long, M. D., Karabinos, P., & Bourke, J. (2024). Lithospheric Structure in the Northern Appalachian Mountains: A Detailed Examination of the Abrupt Change in Crustal Thickness in Northwestern Massachusetts. *Geochemistry, Geophysics, Geosystems*, *25*(10), e2024GC011570. https://doi.org/10.1029/2024GC011570

Massa, M., Rizzo, A. L., Scafidi, D., Ferrari, E., Lovati, S., Luzi, L., & MUDA working group. (2024). MUDA: dynamic geophysical and geochemical MUltiparametric DAtabase. Earth System Science Data, 16(10), 4843–4867. https://doi.org/10.5194/essd-16-4843-2024

Mayeda, K., Bindi, D., Roman-Nieves, J., Morasca, P., Dreger, D., Ji, C., Taira, T., Archuleta, R., Walter, W. R., & Barno, J. (2024). Source-Scaling Comparison and Validation for Ridgecrest, California: Radiated Energy, Apparent Stress, and Mw Using the Coda Calibration Tool (2.6<Mw<7.1). *Bulletin of the Seismological Society of America*. https://doi.org/10.1785/0120240143

McFadden, L., Brown, P. G., & Vida, D. (2024). A comparison of fireball luminous efficiency models using acoustic records. Icarus, 422, 116250. https://doi.org/10.1016/j.icarus.2024.116250

Megawati, M., Ma, K.-F., Chen, P.-F., Sianipar, D., & Hsieh, M.-C. (2024). Source characterization of Intermediate-Depth earthquakes in southern Java, Indonesia. Journal of Asian Earth Sciences, 264, 106040. https://doi.org/10.1016/j.jseaes.2024.106040

Meng, W., Yang, D., Chen, L., Dong, X., Xu, X., & Huang, J. (2024). Teleseismic Full-Waveform Tomography Based on a 3D FK-LTSOS Hybrid Method for Local Imaging. *Journal of Geophysical Research: Solid Earth*, *129*(12), e2024JB029544. https://doi.org/10.1029/2024JB029544

Merry, T. A. J., & Eakin, C. M. (2024). Insights on the African Upper Mantle From Quasi-Love Wave Scattering. *Geochemistry, Geophysics, Geosystems*, *25*(4), e2023GC011385. https://doi.org/10.1029/2023GC011385

Meshram, K. (2024). 2 - Basic machine learning models for data pre-processing. In K. Meshram (Ed.), Machine Learning Applications in Civil Engineering (pp. 17–32). Elsevier. https://doi.org/10.1016/B978-0-443-15364-8.00002-0

Miao, W., Cornthwaite, J., Levander, A., Niu, F., Schmitz, M., Li, G., Dionicio, V., & Prieto, G. (2024). 3D Shear Velocity Structure of the Caribbean—Northwestern South America Subduction Zone From Ambient Noise and Ballistic Rayleigh Wave Tomography. *Geochemistry, Geophysics, Geosystems*, *25*(9), e2024GC011612. https://doi.org/10.1029/2024GC011612

Miao, Y., Salaree, A., Spica, Z. J., Nishida, K., Yamada, T., & Shinohara, M. (2024). Assessing the Earthquake Recording Capability of an Ocean-Bottom Distributed Acoustic Sensing Array in the Sanriku Region, Japan. Seismological Research Letters. https://doi.org/10.1785/0220240120

Miao, Z., Gao, S. S., Sun, M., & Liu, K. H. (2024). Topography of the 410 and 660 km discontinuities beneath the Tibetan plateau and adjacent areas. *Earth and Planetary Science Letters*, *644*, 118947. https://doi.org/10.1016/j.epsl.2024.118947

Moghadam, M. R., Shirzad, T., Kazemnia, M., & Ullah, I. (2024). Crustal structure of Khorasan, NE Iran, using Rayleigh wave tomography. *Journal of Seismology*, *28*(2), 459–476. https://doi.org/10.1007/s10950-024-10199-3

Mohammed, S., Shams, R., Nweke, C. C., Buckreis, T. E., Kohler, M. D., Bozorgnia, Y., & Stewart, J. P. (2024). Usability of Community Seismic Network recordings for ground-motion modeling. Earthquake Spectra, 40(4), 2598–2622. https://doi.org/10.1177/87552930241267749

Mohanty, D. D., Biswal, S., & Yoshizawa, K. (2024). Decoupled deformation between crust and mantle beneath Indo-Burmese Wedge: A new seismotectonic model. *Earth and Planetary Science Letters*, *648*, 119089. https://doi.org/10.1016/j.epsl.2024.119089

Movaghari, R., Gholam, J. D., & Hessami, K. (2024). Azimuthal seismic anisotropy of the Iran plateau: Insights from ambient noise analysis. *Physics of the Earth and Planetary Interiors*, *357*, 107280. https://doi.org/10.1016/j.pepi.2024.107280

Mukherjee, P., Ito, Y., Borah, K., Mpuang, A. P., Garcia, E. S., & Plata-Martinez, R. (2024). Along-strike forearc and subducted upper slab structure beneath north Chile: Slow slip implications. Journal of South American Earth Sciences, 148, 105064. https://doi.org/10.1016/j.jsames.2024.105064

Mukhopadhyay, M., Mukhopadhyay, B., Mogren, S., & Ibrahim, E. (2024). High velocity lower crust with anomalous rheological parameters under the Red Sea Passive Margin, SW Saudi Arabia – insight into the evolution of the Hijaz-Asir Escarpment Zone. *Geophysical Journal International*, *236*(1), 711–726. https://doi.org/10.1093/gji/ggad451

Mulwa, J. K. (2024). Systematic Seismic Events Discrimination Methods at the Kenya National Data Centre (N090). *Pure and Applied Geophysics*. https://doi.org/10.1007/s00024-024-03458-4

Munch, F. D., Romanowicz, B., Mukhopadhyay, S., & Rudolph, M. L. (2024). Deep mantle plumes feeding periodic alignments of asthenospheric fingers beneath the central and southern Atlantic Ocean. Proceedings of the National Academy of Sciences, 121(46), e2407543121. https://doi.org/10.1073/pnas.2407543121

Münchmeyer, J. (2024). PyOcto: A high-throughput seismic phase associator. Seismica, 3(1). https://doi.org/10.26443/seismica.v3i1.1130

Münchmeyer, J., Giffard-Roisin, S., Malfante, M., Frank, W., Poli, P., Marsan, D., & Socquet, A. (2024). Deep learning detects uncataloged low-frequency earthquakes across regions. Seismica, 3(1). https://doi.org/10.26443/seismica.v3i1.1185

Munir, S., Najam, F. A., Rahman, A. ur, Malik, U. J., Rana, I. A., & Ali, A. (2024). Seismic evaluation of non-seismically detailed RC buildings in Pakistan: performance and damage accumulation under repeated earthquakes. Bulletin of Earthquake Engineering, 22(9), 4547–4579. https://doi.org/10.1007/s10518-024-01935-8

Murdie, R. E., Yuan, H., O'Donnell, J. P., Johnson, S. P., Ebrahimi, R., & Rashidifard, M. (2024). WA Array: A High-Resolution Passive-Source Seismic Survey to Image the West Australian Lithosphere. Seismological Research Letters, 95(5), 3093–3108. https://doi.org/10.1785/0220230415

Murphy, B. S., Caine, J. S., Bedrosian, P. A., & Crosbie, J. W. (2024). Geoelectric evidence for a wide spatial footprint of active extension in central Colorado. *Geology*, *52*(4), 314–318. https://doi.org/10.1130/G51517.1

Myklebust, E. B., & Köhler, A. (2024). Deep learning models for regional phase detection on seismic stations in Northern Europe and the European Arctic. *Geophysical Journal International*, *239*(2), 862–881. https://doi.org/10.1093/gji/ggae298

Nacif, S., Schimmel, M., Nacif, A., Godoy, L., Lupari, M., Furlani, R., Gimenez, M., & Folguera, A. (2024). Insights into the crustal and the magmatic feeding structure at the Payunia Volcanic Province highlighted by geophysical methods, in the retroarc of the Southern Central Andes. *Journal of Geodynamics*, *162*, 102059. https://doi.org/10.1016/j.jog.2024.102059

Nakano, M., Ichihara, M., Suetsugu, D., Ohminato, T., Ono, S., Vaiomounga, R., Kula, T., & Shinohara, M. (2024). Monitoring volcanic activity with distributed acoustic sensing using the Tongan seafloor telecommunications cable. Earth, Planets and Space, 76(1), 25. https://doi.org/10.1186/s40623-024-01972-2

Nardoni, C., & Persaud, P. (2024). Evidence for faulting and fluid-driven earthquake processes from seismic attenuation variations beneath metropolitan Los Angeles. *Scientific Reports*, *14*(1), 17595. https://doi.org/10.1038/s41598-024-67872-3

Neely, J. S., Park, S., & Baltay, A. (2024). The Impact of Source Time Function Complexity on Stress-Drop Estimates. *Bulletin of the Seismological Society of America*. https://doi.org/10.1785/0120240022

Neves, M., Chuang, L. Y., Li, W., Peng, Z., Figueiredo, P. M., & Ni, S. (2024). Complex rupture dynamics of the extremely shallow August 2020 M5.1 Sparta, North Carolina earthquake. *Communications Earth & Environment*, *5*(1), 1–11. https://doi.org/10.1038/s43247-024-01316-8

Niemz, P., McLennan, J., Pankow, K. L., Rutledge, J., & England, K. (2024). Circulation experiments at Utah FORGE: Near-surface seismic monitoring reveals fracture growth after shut-in. Geothermics, 119, 102947. https://doi.org/10.1016/j.geothermics.2024.102947

Niksejel, A., & Zhang, M. (2024). OBSTransformer: a deep-learning seismic phase picker for OBS data using automated labelling and transfer learning. *Geophysical Journal International*, *237*(1), 485–505. https://doi.org/10.1093/gji/ggae049

Nikulin, S., Sergieieva, K., Korobko, O., & Kashtan, V. (2024). Using the Contrast Boundary Concentration of LST for the Earthquake Approach Assessment in Turkey, 6–8 February 2023. Earth, 5(3), 388–403. https://doi.org/10.3390/earth5030022

Nishida, K., Ichihara, M., Kubota, T., & Tonegawa, T. (2024). Ocean Surface Gravity Waves Excited by the 2022 Eruption of Hunga Tonga-Hunga Ha'apai Volcano. *Geophysical Research Letters*, *51*(19), e2024GL111983. https://doi.org/10.1029/2024GL111983

Nishida, K., Takagi, R., & Takeo, A. (2024). Ambient noise multimode surface wave tomography. Progress in Earth and Planetary Science, 11(1), 4. https://doi.org/10.1186/s40645-023-00605-8

Noe, S., van Herwaarden, D.-P., Thrastarson, S., Pienkowska, M., Masouminia, N., Ma, J., Bunge, H.-P., Wehner, D., Rawlinson, N., Gao, Y., Tilmann, F., Rodgers, A., & Fichtner, A. (2024). The Collaborative Seismic Earth Model: Generation 2. *Journal of Geophysical Research: Solid Earth*, *129*(12), e2024JB029656. https://doi.org/10.1029/2024JB029656

Nolet, G., Simon, J. D., & Bonnieux, S. (2024). How Accurately Are MERMAID Seismograms Located? Seismological Research Letters, 95(4), 2368–2374. https://doi.org/10.1785/0220230377

Nozuka, Y., Inchin, P. A., Kaneko, Y., Sabatini, R., & Snively, J. B. (2024). Earthquake source impacts on the generation and propagation of seismic infrasound to the upper atmosphere. *Geophysical Journal International*, *238*(1), 537–556. https://doi.org/10.1093/gji/ggae170

Nugroho, H., Hejrani, B., Mousavi, S., & Miller, M. S. (2024). Rupture Pattern of the 2015 Alor Earthquake Sequence, Indonesia. Seismological Research Letters. https://doi.org/10.1785/0220230185

Núñez-Jara, S., Montalva, G., Pilz, M., Miller, M., Saldaña, H., Olivar-Castaño, A., & Araya, R. (2024). Spatial variability of shear wave velocity: implications for the liquefaction response of a case study from the 2010 Maule Mw 8.8 Earthquake, Chile. Frontiers in Earth Science, 12. https://doi.org/10.3389/feart.2024.1354058

Nyarko, S. C., Sumy, D. F., & McBride, S. K. (2024). K-12 trade books' representation of earthquake safety and protective actions: A content analysis. Journal of Geoscience Education, 0(0), 1–18. https://doi.org/10.1080/10899995.2023.2294672

Oancea, V., Kung, Y.-L., Murphy, J. R., Piraino, P., & Given, J. W. (2024). Waveforms from Nuclear Explosions (WFNE) Repository. *Pure and Applied Geophysics*. https://doi.org/10.1007/s00024-024-03536-7

Ohara, K., Yagi, Y., & Okuwaki, R. (2024). Complex rupture evolution of the 2007 Martinique earthquake: a non-double-couple event in the Caribbean Sea. *Geophysical Journal International*, *236*(3), 1743–1752. https://doi.org/10.1093/gji/ggae024

Okuwaki, R., Yagi, Y., Murakami, A., & Fukahata, Y. (2024). A Multiplex Rupture Sequence Under Complex Fault Network Due To Preceding Earthquake Swarms During the 2024 Mw 7.5 Noto Peninsula, Japan, Earthquake. *Geophysical Research Letters*, *51*(11), e2024GL109224. https://doi.org/10.1029/2024GL109224

Olinger, S. D., Lipovsky, B. P., & Denolle, M. A. (2024). Ocean Coupling Limits Rupture Velocity of Fastest Observed Ice Shelf Rift Propagation Event. AGU Advances, 5(1), e2023AV001023. https://doi.org/10.1029/2023AV001023

Oliva, S. J., Bostock, M. G., Schaeffer, A. J., Nissen, E., Merrill, R., Hughes, A., Roecker, S. W., Nedimovic, M. R., Roland, E., Worthington, L. L., Walton, M. a. L., & Gase, A. (2024). Incipient Subduction and Slip Partitioning at High Obliquity: The Haida Gwaii Plate Boundary. *Journal of Geophysical Research: Solid Earth*, *129*(5), e2024JB028752. https://doi.org/10.1029/2024JB028752

Olive, J.-A., Ekström, G., Buck, W. R., Liu, Z., Escartín, J., & Bickert, M. (2024). Mid-ocean ridge unfaulting revealed by magmatic intrusions. *Nature*, *628*(8009), 782–787. https://doi.org/10.1038/s41586-024-07247-w

Olugboji, T., Xue, S., Legre, J.-J., & Tamama, Y. (2024). Africa's Crustal Architecture Inferred From Probabilistic and Perturbational Inversion of Ambient Noise: ADAMA. *Geochemistry, Geophysics, Geosystems*, *25*(1), e2023GC011086. https://doi.org/10.1029/2023GC011086

Olugboji, T., Zhang, Z., Carr, S., Ekmekci, C., & Cetin, M. (2024). On the detection of upper mantle discontinuities with radon-transformed receiver functions (CRISP-RF). *Geophysical Journal International*, *236*(2), 748–763. https://doi.org/10.1093/gji/ggad447

Omojola, J., & Persaud, P. (2024). Monitoring Salt Domes Used for Energy Storage With Microseismicity: Insights for a Carbon-Neutral Future. *Geochemistry, Geophysics, Geosystems*, *25*(11), e2024GC011573. https://doi.org/10.1029/2024GC011573

Onodera, K. (2024). New Views of Lunar Seismicity Brought by Analysis of Newly Discovered Moonquakes in Apollo Short-Period Seismic Data. *Journal of Geophysical Research: Planets*, *129*(7), e2023JE008153. https://doi.org/10.1029/2023JE008153

Ousadou, F., Ayadi, A., & Bezzeghoud, M. (2024). Catalogue of source mechanisms and overview of present-day stress fields in the western region of the Africa–Eurasia plate boundary. Frontiers in Earth Science, 12. https://doi.org/10.3389/feart.2024.1366156

Pachhai, S., Thorne, M. S., & Rost, S. (2024). Examining the influence of 2.5-D ultra-low velocity zone morphology on ScP waveforms and estimated elastic parameters. *Geophysical Journal International*, *239*(1), 591–620. https://doi.org/10.1093/gji/ggae285

Pal, D., & Ghosh, A. (2024). Present day mantle structure from global mantle convection models since the Cretaceous. *Geophysical Journal International*, *238*(3), 1651–1675. https://doi.org/10.1093/gji/ggae231

Pan Y., Liu S., Yang D., Xu X., Li X., Wang W., & Li M. (2024). Teleseismic traveltime tomography based on global heterogeneous model. *Chinese Journal of Geophysics*, *67*(4), 1426–1438. https://doi.org/10.6038/cjg2022Q0747

Pan, X., Hu, N., & Zhang, W. (2024). Teleseismic Wavefield Rank Reduction-Based Reconstruction Method for Passive Source Converted Wave Reverse Time Migration Imaging. IEEE Transactions on Geoscience and Remote Sensing, 62, 1–9. https://doi.org/10.1109/TGRS.2023.3334527

Papí-Isaba, M. del P., Mattesini, M., Petersen, G., Cesca, S., Lenhardt, W., Buforn, E., & Hausmann, H. (2024). The Unusual Seismic Activity from 2021 to 2024 in Eastern Austria: Insights from Seismic Sequences Relocation and Moment Tensor Inversion. *Bulletin of the Seismological Society of America*. https://doi.org/10.1785/0120240204

Parisi, L., Augustin, N., Trippanera, D., Kirk, H., Dannowski, A., Matrau, R., Fittipaldi, M., Nobile, A., Zielke, O., Cano, E. V., Hoogewerf, G., Aspiotis, T., Manzo-Vega, S., Carmona, A. E., Barreto, A., Juchem, M., Suhendi, C., Schmidt-Aursch, M., Mai, P. M., & Jónsson, S. (2024). The First Network of Ocean Bottom Seismometers in the Red Sea to Investigate the Zabargad Fracture Zone. Seismica, 3(1). https://doi.org/10.26443/seismica.v3i1.729

Park, J. Y., Kim, W., Kim, Y., & Shen, X. (2024). Precise Relocation and Source Characterization of Two Earthquake Sequences in Yellow Sea Using Regional Lg-Wave Observations. *Bulletin of the Seismological Society of America*, *114*(6), 2978–2994. https://doi.org/10.1785/0120240067

Park, J. Y., Kim, Y., Isse, T., Lee, S., Kim, K., Kawakatsu, H., Shiobara, H., Utada, H., Takeuchi, N., & Sugioka, H. (2024). Detection and Location of the Oceanic Intraplate Earthquakes at the Oldest Pacific Plate Using Pacific Array (Oldest-1) Data. Seismological Research Letters. https://doi.org/10.1785/0220240336

Park, J., & Chang, S.-J. (2024). Bilateral asthenospheric flow fed by the Caroline plume (western Pacific Ocean). *Geology*. https://doi.org/10.1130/G52680.1

Park, J., Arrowsmith, S., Che, I.-Y., Hayward, C., & Stump, B. (2024). The Korean infrasound catalogue (1999–2022). *Geophysical Journal International*, *239*(1), 517–537. https://doi.org/10.1093/gji/ggae277

Park, S., & Hong, T. (2024). Correct Off-Site Determination of Seismic Sensor Orientation from Combined Analyses of Earthquake and Microseism Records. *Bulletin of the Seismological Society of America*, *114*(2), 942–954. https://doi.org/10.1785/0120230150

Park, Y., & Shelly, D. R. (2024). The Value of Hyperparameter Optimization in Phase-Picking Neural Networks. The Seismic Record, 4(3), 231–239. https://doi.org/10.1785/0320240025

Parolai, S., Spallarossa, D., Oth, A., & Picozzi, M. (2024). A Proposal for a High-Frequency Earthquake Magnitude (m3Hz) for Seismic Hazard and Rapid Damage Assessment. Seismological Research Letters. https://doi.org/10.1785/0220240226

Paul, J. D. (2024). Chapter 5 - Observations, predictions, and implications of dynamic topography through space and time. In D. Chiarella, N. Scarselli, & J. Adam (Eds.), Regional Geology and Tectonics (Second Edition) (pp. 101–120). Elsevier. https://doi.org/10.1016/B978-0-444-64136-6.00006-3

Pavlis, G. L., Jadamec, M. A., Everett Mann, M., Yang, X., Schaeffer, A. J., Shawn Wei, S., & Fischer, K. M. (2024). Synthesis of the Seismic Structure of the Greater Alaska Region: Subducting Slab Geometry. In Tectonics and Seismic Structure of Alaska and Northwestern Canada (pp. 237–266). American Geophysical Union (AGU). https://doi.org/10.1002/9781394195947.ch8

Peach, C., Nippress, S. E. J., Green, D. N., Mayeda, K., Wookey, J. M., & Werner, M. J. (2024). A UK Mw catalogue derived from coda envelopes. *Geophysical Journal International*, *238*(2), 974–991. https://doi.org/10.1093/gji/ggae180

Peña Castro, A. F., Schmandt, B., Nakai, J., Aster, R. C., & Chaput, J. (2024). (Re)Discovering the Seismicity of Antarctica: A New Seismic Catalog for the Southernmost Continent. Seismological Research Letters, 96(1), 576–594. https://doi.org/10.1785/0220240076

Peng, H., & Li, J. (2024). Rayleigh wave attenuation tomography based on ambient noise interferometry: methods and an application to Northeast China. *Geophysical Journal International*, *237*(3), 1536–1553. https://doi.org/10.1093/gji/ggae118

Peng, S., Callies, J., Wu, W., & Zhan, Z. (2024). Seismic Ocean Thermometry of the Kuroshio Extension Region. *Journal of Geophysical Research: Oceans*, *129*(2), e2023JC020636. https://doi.org/10.1029/2023JC020636

Petrescu, L., Borleanu, F., Kästle, E., Stephenson, R., Plăcintă, A., & Liashchuk, O. I. (2024). Seismic structure of the Eastern European crust and upper mantle from probabilistic ambient noise tomography. Gondwana Research, 125, 390–405. https://doi.org/10.1016/j.gr.2023.08.022

Petrescu, L., Plăcintă, A. O., Borleanu, F., Mihai, A., Radulian, M., Popa, M., Coman, A., & Cioflan, C. (2024). The EENSANE (Eastern European Seismic Ambient Noise) project: providing a new free database of ambient noise cross-correlations and crustal seismic models in the Carpathian-Pannonian Region and beyond. Acta Geodaetica et Geophysica, 59(3), 271–283. https://doi.org/10.1007/s40328-024-00438-x

Pettenati, F., Sandron, D., Verza, G., Plasencia Linares, M. P., Percacci, R., Bistia, K., Cravos, C., & Rebez, A. (2024). The Seismic Station IO.EVN at Pyramid EvK2cnr (Everest): 10 Yr of Activity. Seismological Research Letters. https://doi.org/10.1785/0220240111

Piana Agostinetti, N. (2024). Orogen-parallel discontinuity of the Apennines subduction zone in Southern Italy as seen from mantle wedge seismic structure. *Journal of Geodynamics*, *159*, 102004. https://doi.org/10.1016/j.jog.2023.102004

Picozzi, M., Spallarossa, D., Iaccarino, A. G., & Bindi, D. (2024). Event-specific ground motion anomalies highlight the preparatory phase of earthquakes during the 2016–2017 Italian seismicity. *Communications Earth & Environment*, *5*(1), 1–11. https://doi.org/10.1038/s43247-024-01455-y

Pinzón, J. I., Custódio, S., Silveira, G., Krüger, F., Mata, J., & Matias, L. (2024). Crustal and uppermost mantle structure near the Gloria Fault, North Atlantic, from ocean bottom seismometer surface wave observations. *Geophysical Journal International*, *236*(1), 1–13. https://doi.org/10.1093/gji/ggad405

Pipatprathanporn, S., & Simons, F. J. (2024). Waveform modelling of hydroacoustic teleseismic earthquake records from autonomous Mermaid floats. *Geophysical Journal International*, *239*(1), 136–154. https://doi.org/10.1093/gji/ggae238

Pirot, E., Hibert, C., & Mangeney, A. (2024). Enhanced glacial earthquake catalogues with supervised machine learning for more comprehensive analysis. *Geophysical Journal International*, *236*(2), 849–871. https://doi.org/10.1093/gji/ggad402

Pischiutta, M., Baker, L. M., Fletcher, J. B., Salvini, F., Rovelli, A., & Ben-Zion, Y. (2024). Directional amplification across the San Jacinto fault zone, CA. *Geophysical Journal International*, *238*(2), 922–942. https://doi.org/10.1093/gji/ggae198

Pitilakis, K., Fotopoulou, S., Manakou, M., Karafagka, S., Petridis, C., Pitilakis, D., & Raptakis, D. (2024). Towards seismic risk reduction of critical facilities combining earthquake early warning and structural monitoring: a demonstration study. Bulletin of Earthquake Engineering, 22(14), 6893–6927. https://doi.org/10.1007/s10518-024-02046-0

Portner, D. E., Delph, J. R., Kiser, E., Abers, G. A., Levander, A., & Pang, G. (2024). Validation of Ps-P Tomography for Obtaining 3D Crustal V/V With Small-N Data Sets: An Application to the Mount St. Helens Magmatic System. *Journal of Geophysical Research: Solid Earth*, *129*(9), e2024JB029642. https://doi.org/10.1029/2024JB029642

Power, J. A., & Roman, D. C. (2024). Event classification, seismicity, and eruption forecasting at Great Sitkin Volcano, Alaska: 1999–2023. *Journal of Volcanology and Geothermal Research*, *454*, 108182. https://doi.org/10.1016/j.jvolgeores.2024.108182

Powers, P. M., Altekruse, J. M., Llenos, A. L., Michael, A. J., Haynie, K. L., Haeussler, P. J., Bender, A. M., Rezaeian, S., Moschetti, M. P., Smith, J. A., Briggs, R. W., Witter, R. C., Mueller, C. S., Zeng, Y., Girot, D. L., Herrick, J. A., Shumway, A. M., & Petersen, M. D. (2024). The 2023 Alaska National Seismic Hazard Model. Earthquake Spectra, 40(4), 2545–2597. https://doi.org/10.1177/87552930241266741

Pratscher, K. M., Ingham, M., Mac Manus, D. H., Kruglyakov, M., Heise, W., Rodger, C. J., Divett, T., Bertrand, E., Dalzell, M., & Brundell, J. (2024). Modeling GIC in the Southern South Island of Aotearoa New Zealand Using Magnetotelluric Data. Space Weather, 22(7), e2024SW003907. https://doi.org/10.1029/2024SW003907

Pratt, T., Parolai, S., Poggi, V., & Dreossi, I. (2024). Using Crustal-Scale Refraction Data for Joint Inversions of Rayleigh-Wave Dispersion Curves and H/V Spectral Ratios for Atlantic Coastal Plain Velocity Structure, Eastern United States. *Bulletin of the Seismological Society of America*. https://doi.org/10.1785/0120230241

Priestley, K., Ho, T., Takei, Y., & McKenzie, D. (2024). The thermal and anisotropic structure of the top 300 km of the mantle. *Earth and Planetary Science Letters*, *626*, 118525. https://doi.org/10.1016/j.epsl.2023.118525

Priolo, E., Zinno, I., Guidarelli, M., Romanelli, M., Lanari, R., Sandron, D., Garbin, M., Peruzza, L., Romano, M. A., Zuliani, D., Tunini, L., & Magrin, A. (2024). The Birth of an Underground Gas Storage in a Depleted Gas Reservoir—Results From Integrated Seismic and Ground Deformation Monitoring. Earth and Space Science, 11(11), e2023EA003275. https://doi.org/10.1029/2023EA003275

Pro, C., Tavera, H., Mattesini, M., Escudero, L., Buforn, E., Udías, A., & Centeno, E. (2024). Comparison between rupture parameters of intermediate and deep earthquakes at the Peru–Brazil–Bolivia border and northern Chile. *Journal of Seismology*, *28*(4), 973–999. https://doi.org/10.1007/s10950-024-10229-0

Qian, Y., Chen, X., Wu, W., Wei, S., Ni, S., Xu, M., Qin, Y., Nakamura, Y., Zhou, Y., & Sun, D. (2024). Patterns of Causative Faults of Normal Earthquakes in the Fluid-Rich Outer Rise of Northeastern Japan, Constrained With 3D Teleseismic Waveform Modeling. *Journal of Geophysical Research: Solid Earth*, *129*(6), e2024JB028740. https://doi.org/10.1029/2024JB028740

Qin, L., Qiu, H., Nakata, N., Booth, A., Zhang, Z., Karplus, M., McKeague, J., Clark, R., & Kaip, G. (2024). High-Resolution Characterization of the Firn Layer Near the West Antarctic Ice Sheet Divide Camp With Active and Passive Seismic Data. *Geophysical Research Letters*, *51*(12), e2024GL108933. https://doi.org/10.1029/2024GL108933

Qin, T., & Lu, L. (2024). Improved beamforming schemes for estimation of multimode surface wave dispersion curves from seismic noise with reducing effect of the irregular array geometry and/or anisotropic source distribution. *Geophysical Journal International*, *237*(1), 250–270. https://doi.org/10.1093/gji/ggae038

Quinones, L., & Tibi, R. (2024). Denoising Seismic Waveforms Using a Wavelet-Transform-Based Machine-Learning Method. *Bulletin of the Seismological Society of America*, *114*(4), 1777–1788. https://doi.org/10.1785/0120230304

Ragland, J., Abadi, S., & Sabra, K. (2024). Using Ocean Ambient Sound to Measure Local Integrated Deep Ocean Temperature. *Geophysical Research Letters*, *51*(12), e2024GL108943. https://doi.org/10.1029/2024GL108943

Rahimi Dalkhani, A., Ágústsdóttir, T., Gudnason, E. Á., Hersir, G. P., Zhang, X., & Weemstra, C. (2024). Transdimensional ambient-noise surface wave tomography of the Reykjanes Peninsula, SW Iceland. *Geophysical Journal International*, *236*(1), 621–643. https://doi.org/10.1093/gji/ggad435

Rai, A., Kumar, R., Srivastava, D., Singh, R., Singh, A., & Maurya, S. P. (2024). Moho Mapping of Northern Chile Region Using Receiver Function Analysis and HK Stacking. In R. Kumar, R. Singh, S. Kanhaiya, & S. P. Maurya (Eds.), Recent Developments in Earthquake Seismology: Present and Future of Seismological Analysis (pp. 81–98). Springer International Publishing. https://doi.org/10.1007/978-3-031-47538-2_6

Ramos-Sepúlveda, M. E., Stewart, J. P., Parker, G. A., Moschetti, M. P., Thompson, E. M., Brandenberg, S. J., Hashash, Y. M., & Rathje, E. M. (2024). Data-driven adjustments for combined use of NGA-East hard-rock ground motion and site amplification models. Earthquake Spectra, 40(2), 1132–1157. https://doi.org/10.1177/87552930241231825

Ramthan, A., Abdulnaby, W., Abd, N., Mahdi, H., & Al-Shukri, H. (2024). Fault Source of Seismicity in Al-Refaei District, Southern Iraq. *Journal of Seismology*, *28*(3), 657–674. https://doi.org/10.1007/s10950-024-10217-4

Rappisi, F., Witek, M., Faccenda, M., Ferreira, A. M. G., & Chang, S.-J. (2024). Artificial age-independent seismic anisotropy, slab thickening and shallowing due to limited resolving power of (an)isotropic tomography. *Geophysical Journal International*, *237*(1), 217–234. https://doi.org/10.1093/gji/ggae042

Rathnayaka, S., Nyblade, A., Lund, B., Ammon, C., Durrheim, R., & Masethe, R. (2024). Testing the P/S Amplitude Seismic Source Discriminant at Local Distances Using Seismic Events Within and Surrounding the Kloof Gold Mine, South Africa, and the Kiruna Iron Ore Mine, Northern Sweden. *Bulletin of the Seismological Society of America*, *114*(4), 2237–2250. https://doi.org/10.1785/0120230215

Rebeyrol, S., Ker, S., Duval, L., & Crawford, W. C. (2024). Revisiting the OBS seafloor compliance signal removal with a stationarity and stacking-based approach: the BRUIT-FM toolbox. *Geophysical Journal International*, *239*(1), 386–401. https://doi.org/10.1093/gji/ggae265

Reed, M., Barth, A., Taira, T., Farrell, J., & Manga, M. (2024). A shake and a surge: Assessing the possibility of an earthquake-triggered eruption at Steamboat Geyser. Volcanica, 7(2), 733–748. https://doi.org/10.30909/vol.07.02.733748

Rekapalli, R., Yezarla, M., & Rao, N. P. (2024). Discriminating Landslide Waveforms in Continuous Seismic Data Using Power Spectral Density Analysis. *Geophysical Research Letters*, *51*(21), e2024GL110466. https://doi.org/10.1029/2024GL110466

Ren, C., Wang, Z., Taymaz, T., Hu, N., Luo, H., Zhao, Z., Yue, H., Song, X., Shen, Z., Xu, H., Geng, J., Zhang, W., Wang, T., Ge, Z., Irmak, T. S., Erman, C., Zhou, Y., Li, Z., Xu, H., … Ding, H. (2024). Supershear triggering and cascading fault ruptures of the 2023 Kahramanmaraş, Türkiye, earthquake doublet. *Science*, *383*(6680), 305–311. https://doi.org/10.1126/science.adi1519

Restelli, F., Zaroli, C., & Koelemeijer, P. (2024). Robust estimates of the ratio between S- and P-wave velocity anomalies in the Earth's mantle using normal modes. *Physics of the Earth and Planetary Interiors*, *347*, 107135. https://doi.org/10.1016/j.pepi.2023.107135

Revil, A., Ghorbani, A., Zhao, X., Mouyeaux, A., Barrère, L., Richard, J., Peyras, L., & Vaudelet, P. (2024). Groundwater flow paths using combined self-potential, electrical resistivity, and induced polarization signals. *Geophysical Journal International*, *239*(2), 798–820. https://doi.org/10.1093/gji/ggae291

Rey-Devesa, P., Carthy, J., Titos, M., Prudencio, J., Ibáñez, J. M., & Benítez, C. (2024). Universal machine learning approach to volcanic eruption forecasting using seismic features. Frontiers in Earth Science, 12. https://doi.org/10.3389/feart.2024.1342468

Reyes Canales, M., Galloway, E., Pawley, S., Yusifbayov, J., & Hartman, G. (2024). Earthquake Iso-Nuisance and Iso-Damage Mapping for Alberta: Applications for Choosing Magnitude Thresholds to Manage Induced Seismicity. Earth's Future, 12(12), e2024EF004985. https://doi.org/10.1029/2024EF004985

Rezaeifar, M., Bean, C. J., Grannell, J., Möllhoff, M., & Bell, A. F. (2024). Intrusive mechanism of the 2018 Sierra Negra Galápagos eruption, constrained by 4D tomographic images. *Journal of Volcanology and Geothermal Research*, *451*, 108112. https://doi.org/10.1016/j.jvolgeores.2024.108112

Ringler, A. T., Aderhold, K., Anthony, R. E., Busby, R. W., Frassetto, A., Tanimoto, T., & Wilson, D. C. (2024). Perspectives on Transportable Array Alaska Background Noise Levels. In Tectonics and Seismic Structure of Alaska and Northwestern Canada (pp. 15–44). American Geophysical Union (AGU). https://doi.org/10.1002/9781394195947.ch2

Ringler, A. T., Wilson, D. C., Earle, P., Yeck, W., Mason, D. B., & Wilgus, J. (2024). Noise Constraints on Global Body-Wave Measurement Thresholds. *Bulletin of the Seismological Society of America*, *114*(4), 1765–1776. https://doi.org/10.1785/0120230246

Rodgers, A. (2024). Waveform Tomography Improves Far-Regional Distance Simulations of Underground Nuclear Explosions and Earthquakes from the Former Nuclear Test Site, Western United States. The Seismic Record, 4(4), 299–307. https://doi.org/10.1785/0320240039

Rodgers, A. J., Doody, C. D., & Fichtner, A. (2024). WUS324: Multiscale Full Waveform Inversion Approaching Convergence Improves Waveform Fits While Imaging Seismic Structure of the Western United States. *Geophysical Research Letters*, *51*(20), e2024GL110911. https://doi.org/10.1029/2024GL110911

Rodgers, A. J., Krischer, L., Afanasiev, M., Boehm, C., Doody, C., & Simmons, N. (2024). Adjoint Waveform Tomography for Crustal and Upper Mantle Structure of the Middle East and Southwest Asia for Improved Waveform Simulations Using Openly Available Broadband Data. *Bulletin of the Seismological Society of America*, *114*(3), 1365–1391. https://doi.org/10.1785/0120230248

Rodríguez, E. E., Beck, S. L., Ruiz, M., Meltzer, A., Portner, D. E., Hernández, S., Segovia, M., Agurto-Detzel, H., & Charvis, P. (2024). Seismic imaging of the Northern Andean subduction zone from teleseismic tomography: a torn and fragmented Nazca slab. *Geophysical Journal International*, *236*(1), 593–606. https://doi.org/10.1093/gji/ggad421

Rodríguez-Pérez, Q., & Zúñiga, F. R. (2024). Global seismic energy scaling relationships based on the type of faulting. Solid Earth, 15(2), 229–249. https://doi.org/10.5194/se-15-229-2024

Roger, J. H. M., Jamelot, A., Hébert, H., Power, W., Gusman, A., & Thomas, B. E. O. (2024). The South Sandwich Tsunami of 12 August 2021: An Underestimated Widespread Tsunami Hazard Around the World. *Journal of Geophysical Research: Oceans*, *129*(12), e2024JC021433. https://doi.org/10.1029/2024JC021433

Roisenberg, H. B., Magrini, F., Molinari, I., Boschi, L., & Cammarano, F. (2024). Rayleigh wave attenuation and phase velocity maps of the greater Alpine region from ambient noise. *Scientific Reports*, *14*(1), 29164. https://doi.org/10.1038/s41598-024-80729-z

Rojo-García, J. I., Vera-Chavarría, S. A., Lozano-Hernández, Y., Sánchez-Meza, V. G., González-Sierra, J., & Oliva-Moreno, L. N. (2024). Data Collection in Areas without Infrastructure Using LoRa Technology and a Quadrotor. Future Internet, 16(6), 186. https://doi.org/10.3390/fi16060186

Rollins, C., Freymueller, J. T., Xue, X., Holtkamp, S. G., Logan, T. A., Meyer, F., & Patton, J. (2024). The 2018 Kaktovik, Alaska Earthquakes and Their Context: Insights From Seismotectonics, InSAR Geodesy, and Static Stress Changes. In Tectonics and Seismic Structure of Alaska and Northwestern Canada (pp. 589–616). American Geophysical Union (AGU). https://doi.org/10.1002/9781394195947.ch22

Romero, A., Rosa, M. L., Richter, A., Mendoza, L. P. O., Connon, G., Juarez, A., Marderwald, E. R., & Duca Freyre, L. (2024). GNSS observations complement dispersion curves of seismic surface waves in southern Patagonia. Journal of South American Earth Sciences, 145, 105059. https://doi.org/10.1016/j.jsames.2024.105059

Roots, E. A., Frieman, B. M., Hill, G. J., Smith, R. S., Craven, J. A., Calvert, A. J., & Snyder, D. B. (2024). Constraints on Growth and Stabilization of the Western Superior Craton From Inversion of Magnetotelluric Data. *Tectonics*, *43*(5), e2023TC008110. https://doi.org/10.1029/2023TC008110

Rosenthal, J. L., Fitzgerald, P. G., Benowitz, J. A., Metcalf, J. R., & Betka, P. M. (2024). Slip Redistribution onto the Totschunda Fault of Southern Alaska: A Result of a Pacific Plate Motion Change at ca. 6 Ma. In Tectonics and Seismic Structure of Alaska and Northwestern Canada (pp. 497–524). American Geophysical Union (AGU). https://doi.org/10.1002/9781394195947.ch18

Rösler, B., Stein, S., Ringler, A., & Vackář, J. (2024). Apparent Non-Double-Couple Components as Artifacts of Moment Tensor Inversion. Seismica, 3(1). https://doi.org/10.26443/seismica.v3i1.1157

Rowley, D. B., Liu, C., Grand, S. P., Liang, X., & Sandvol, E. (2024). On the relationship between the uppermost mantle (≤220 km) seismic velocity, crustal thickness, and topography in Tibet. *Geology*, *53*(2), 166–170. https://doi.org/10.1130/G52408.1

Ruppert, N. A. (2024). A Decade of Alaska Seismicity: 2013–2022. In Tectonics and Seismic Structure of Alaska and Northwestern Canada (pp. 45–84). American Geophysical Union (AGU). https://doi.org/10.1002/9781394195947.ch3

Sabermahani, S., & Frederiksen, A. (2024). DeepRFQC: automating quality control for P-wave receiver function analysis using a U-net inspired network. Seismica, 3(2). https://doi.org/10.26443/seismica.v3i2.1341

Sabouri, E., Shomali, Z. H., & Pakzad, M. (2024). Seismic source analysis and directivity of the November 2021 Fin doublet earthquake in southern Iran: challenges and findings. *Journal of Seismology*, *28*(5), 1229–1245. https://doi.org/10.1007/s10950-024-10237-0

Saeidi, H., Hansen, S. E., Nyblade, A. A., & Haag, R. (2024). Mantle Structure Beneath the Damara Belt in South-Central Africa Imaged Using Adaptively Parameterized P-Wave Tomography. *Journal of Geophysical Research: Solid Earth*, *129*(3), e2023JB027965. https://doi.org/10.1029/2023JB027965

Sahoo, S., Senapati, B., Panda, D., Jin, S., & Kundu, B. (2024). Tidal triggering of seismic swarm associated with hydrothermal circulation at Blanco ridge transform fault zone, Northeast Pacific. *Physics of the Earth and Planetary Interiors*, *356*, 107259. https://doi.org/10.1016/j.pepi.2024.107259

Saki, M., Wirp, S. A., Billen, M., & Thomas, C. (2024). Seismic evidence for possible entrainment of rising plumes by subducting slab induced flow in three subduction zones surrounding the Caribbean Plate. *Physics of the Earth and Planetary Interiors*, *352*, 107212. https://doi.org/10.1016/j.pepi.2024.107212

Sambath, M., Chandrasekaran, S. S., Maithani, S., & Ganapathy, G. P. (2024). Probabilistic seismic hazard analysis of the Coimbatore region, Tamil Nadu using a logic-tree approach. Journal of Earth System Science, 133(3), 156. https://doi.org/10.1007/s12040-024-02356-6

Sánchez de la Muela, A., Ramos, A., Pérez-López, R., Marín, J. A., & Mediato, J. F. (2024). Micro-seismicity associated with CO2 geological storage activities in Hontomín, Spain. International Journal of Greenhouse Gas Control, 135, 104169. https://doi.org/10.1016/j.ijggc.2024.104169

Sandanbata, O., & Saito, T. (2024). Quantifying Magma Overpressure Beneath a Submarine Caldera: A Mechanical Modeling Approach to Tsunamigenic Trapdoor Faulting Near Kita-Ioto Island, Japan. *Journal of Geophysical Research: Solid Earth*, *129*(1), e2023JB027917. https://doi.org/10.1029/2023JB027917

Saunders, J. K., Cochran, E. S., Bunn, J. J., Baltay, A. S., Minson, S. E., & O'Rourke, C. T. (2024). Incorporating Intensity Distance Attenuation Into PLUM Ground-Motion-Based Earthquake Early Warning in the United States: The APPLES Configuration. Earth's Future, 12(2), e2023EF004126. https://doi.org/10.1029/2023EF004126

Schaible, L. P., Dannemann Dugick, F., Bowman, D. C., McCabe, C., & Savvaidis, A. (2024). Proximal Observations of Epicentral Infrasound Generated by Shallow Low-Magnitude Earthquakes in the Permian Basin, West Texas. *Bulletin of the Seismological Society of America*, *114*(6), 3224–3238. https://doi.org/10.1785/0120240033

Schiffer, C., Rondenay, S., & Hossein Shomali, Z. (2024). Seismic probing of buried ancient terrane boundaries - insight into Fennoscandia's Palaeoproterozoic continental formation. Precambrian Research, 405, 107376. https://doi.org/10.1016/j.precamres.2024.107376

Schulte-Pelkum, V., & Haney, M. M. (2024). Fault–Dike–Magma Interactions Inferred from Transcrustal Conical Structures under Akutan Volcano. Seismological Research Letters, 95(5), 2663–2673. https://doi.org/10.1785/0220240119

Schulte-Pelkum, V., & Kilb, D. (2024). Lithospheric Foundering in Progress Imaged Under an Extinct Continental Arc. *Geophysical Research Letters*, *51*(24), e2024GL111290. https://doi.org/10.1029/2024GL111290

Schulte-Pelkum, V., M. Bender, A., & Ruppert, N. A. (2024). Seismicity and Anisotropic Imaging Reveal an Active Detachment Beneath the Northern Alaska Range Foothills. In Tectonics and Seismic Structure of Alaska and Northwestern Canada (pp. 575–587). American Geophysical Union (AGU). https://doi.org/10.1002/9781394195947.ch21

Scolaro, S., Batlló, J., Orecchio, B., Presti, D., Stich, D., & Totaro, C. (2024). Modern Approaches for Historical Seismograms: Moment Tensor Inversion of the 1947 Squillace Basin, South Italy, Earthquake. Seismological Research Letters, 95(4), 2337–2351. https://doi.org/10.1785/0220230423

Segall, P., Matthews, M. V., Shelly, D. R., Wang, T. A., & Anderson, K. R. (2024). Stress-driven recurrence and precursory moment-rate surge in caldera collapse earthquakes. *Nature Geoscience*, 1–6. https://doi.org/10.1038/s41561-023-01372-3

Seo, J., Kim, Y., Ha, J., Ko, M., & Yoo, M. (2024). Unsupervised anomaly detection for earthquake detection on Korea high-speed trains using autoencoder-based deep learning models. *Scientific Reports*, *14*(1), 639. https://doi.org/10.1038/s41598-024-51354-7

Sevilgen, V., Toda, S., Gonzalez-Huizar, H., & Stein, R. (2024). Did the 2024 magnitude 7.0 Cape Mendocino earthquake trigger aftershocks on the San Andreas? Temblor. https://doi.org/http://doi.org/10.32858/temblor.355

Shabikay Senobari, N., Shearer, P. M., Funning, G. J., Zimmerman, Z., Zhu, Y., Brisk, P., & Keogh, E. (2024). The Matrix Profile in Seismology: Template Matching of Everything With Everything. *Journal of Geophysical Research: Solid Earth*, *129*(2), e2023JB027122. https://doi.org/10.1029/2023JB027122

Shang, Z., Yang, T., Jiang, M., Le, B. M., Zhou, Y., Chen, Y., & Morgan, J. P. (2024). Two Mechanisms Generating Intraplate Volcanism in Southeast Asia: Insights From Mantle Transition Zone Discontinuities. *Journal of Geophysical Research: Solid Earth*, *129*(8), e2024JB029090. https://doi.org/10.1029/2024JB029090

Shao, Q., Liu, Y., Luo, Y., Heinson, G., Xu, Y., Du, J., & Chen, C. (2024). Geoelectric Field Estimations During Geomagnetic Storm in North China From SinoProbe Magnetotelluric Impedances. Space Weather, 22(4), e2023SW003758. https://doi.org/10.1029/2023SW003758

Sharma, N., Ravi Kumar, M., & Vijaya Raghavan, R. (2024). Earthquake Magnitude Estimation through Mixed-Effects Ground-Motion Modeling of Early P-Wave Arrivals. Seismological Research Letters, 95(6), 3316–3330. https://doi.org/10.1785/0220240183

Shen, C., Gao, S. S., Kong, F., & Liu, K. H. (2024). Tectonic Implications of Seismic Anisotropy Layering Beneath the Southern Tibetan Plateau Revealed by Integrated Shear Wave Splitting and Receiver Function Analyses. *Journal of Geophysical Research: Solid Earth*, *129*(8), e2024JB029268. https://doi.org/10.1029/2024JB029268

Shen, Z., & Wu, W. (2024). Ocean Bottom Distributed Acoustic Sensing for Oceanic Seismicity Detection and Seismic Ocean Thermometry. *Journal of Geophysical Research: Solid Earth*, *129*(3), e2023JB027799. https://doi.org/10.1029/2023JB027799

Shen, Z., Wu, W., & Callies, J. (2024). Genesis and Propagation of Low-Frequency Abyssal T-Waves. *Journal of Geophysical Research: Oceans*, *129*(10), e2024JC021518. https://doi.org/10.1029/2024JC021518

Sheng, Y., Brenguier, F., Mordret, A., Higueret, Q., Aubert, C., Pinzon-Rincon, L., Hollis, D., Vernon, F., Wyatt, F., & Ben-Zion, Y. (2024). In Situ Velocity-Strain Sensitivity Near the San Jacinto Fault Zone Analyzed Through Train Tremors. *Geophysical Research Letters*, *51*(15), e2024GL110113. https://doi.org/10.1029/2024GL110113

Sheng, Y., Mordret, A., Brenguier, F., Tomasetto, L., Higueret, Q., Aubert, C., Hollis, D., Vernon, F., & Ben-Zion, Y. (2024). Tracking Seismic Velocity Perturbations at Ridgecrest Using Ballistic Correlation Functions. Seismological Research Letters, 95(4), 2452–2463. https://doi.org/10.1785/0220230348

Shirzad, T., Assumpção, M., Debayle, E., Bianchi, M., Collaço, B., Calhau, J., Dragone, G. N., & Chaves, C. A. M. (2024). Crustal and Uppermost Mantle Azimuthal Anisotropy beneath West and SE Brazil using Ambient Seismic Noise. *Tectonophysics*, *886*, 230436. https://doi.org/10.1016/j.tecto.2024.230436

Silpa, K., & Earnest, A. (2024). Outer-arc active tectonic deformation off the Nias – Nicobar Trench: Insights from lithospheric stress and seismic slip models. Journal of Asian Earth Sciences, 276, 106299. https://doi.org/10.1016/j.jseaes.2024.106299

Simanjuntak, A. V. H., & Ansari, K. (2024). Multivariate Hypocenter Clustering and Source Mechanism of 2017 Mw 6.2 and 2019 Mw 6.5 in the South Seram Subduction System. Geotechnical and Geological Engineering, 42(6), 4303–4316. https://doi.org/10.1007/s10706-024-02780-x

Simon, R. E., King, J. G., Moffat, L. C., Moidaki, M. D., Kwadiba, M. T. O., Jackson, K. G., Ntibinyane, O., & Ranganai, R. T. (2024). Relocation of 3 April 2017 Moiyabana Earthquake in Botswana Using Seismological Data from Local Network of Autonomously

Recording Seismographs and International Monitoring System Stations. *Pure and Applied Geophysics*. https://doi.org/10.1007/s00024-024-03435-x

Singh, A., Kumar, G., Singh, C., Kumar, M. R., Uthaman, M., Vadlamani, R., Dutta, A., Saikia, D., & Dubey, A. K. (2024). Evidence for an Imbricated Lower Crust and Its Role in Accommodating Crustal Shortening in Sikkim Himalaya. *Tectonics*, *43*(6), e2023TC008044. https://doi.org/10.1029/2023TC008044

Singh, D., Chatterjee, S., Ram, S., Agarwal, A., Ralli, R., & Kumar, R. (2024). Effectiveness of base-isolator on the seismic behaviour of high-rise buildings with shear wall. Innovative Infrastructure Solutions, 9(9), 344. https://doi.org/10.1007/s41062-024-01654-8

Singha Roy, K., Arrowsmith, S., Stump, B., Hayward, C., & Park, J. (2024). Exploiting Signal Coherence to Simultaneously Detect and Locate Earthquakes. Seismological Research Letters, 96(1), 219–230. https://doi.org/10.1785/0220240089

Singleton, D. M., Brothers, D. S., Haeussler, P. J., Witter, R. C., & Hill, J. C. (2024). Constraining the Earthquake Recording Threshold of Intraslab Earthquakes With Turbidites in South-Central Alaska's Lakes and Fjords. In Tectonics and Seismic Structure of Alaska and Northwestern Canada (pp. 389–418). American Geophysical Union (AGU). https://doi.org/10.1002/9781394195947.ch14

Smith, T. M., Dechesne, M., Hirtz, J. A. M., Sharman, G. R., Hudson, M. R., Lutz, B. M., & Griffis, N. (2024). Peri-Gondwanan sediment in the Arkoma Basin derived from the north: The detrital zircon record of a uniquely concentrated non-Laurentian source signal in the late Paleozoic. *Geosphere*, *20*(5), 1286–1314. https://doi.org/10.1130/GES02740.1

Sobolev, G. A., & Migunov, I. N. (2024). Seismic Pulses before the February 27, 2010 M = 8.8 Chile Earthquake. Izvestiya, Physics of the Solid Earth, 60(3), 333–338. https://doi.org/10.1134/S1069351324700447

Sobolev, G. A., & Migunov, I. N. (2024). The Seismotectonic Movements in the Period Range of a Few Minutes before the Catastrophic Earthquake of March 11, 2011 in Japan. *Journal of Volcanology and Seismology*, *18*(1), 10–22. https://doi.org/10.1134/S0742046323700446

Song, J., Wang, S., Duan, Y., Ye, X., Lv, Z., Wang, L., Liu, B., Song, X., Cheng, G., & Ruan, M. (2024). Deep structural insights into the origin of the Heyuan ms 4.5 revealed by deep seismic sounding profiles in southeast China. Frontiers in Earth Science, 12. https://doi.org/10.3389/feart.2024.1392909

Song, X., & Klemperer, S. L. (2024). Numerous Tibetan lower-crustal and upper-mantle earthquakes, detected by Sn/Lg ratios, suggest crustal delamination or drip tectonics. *Earth and Planetary Science Letters*, *626*, 118555. https://doi.org/10.1016/j.epsl.2023.118555

Spichak, V. V., & Goidina, A. G. (2024). Estimation of Thermal Processes Contribution to Seismicity Generation in the Junction Zone of the Chu Depression and the Kyrgyz Ridge, Northern Tien Shan. Izvestiya, Physics of the Solid Earth, 60(1), 104–121. https://doi.org/10.1134/S106935132470023X

Stampa, J., Eckel, F., Keers, H., Lebedev, S., Meier, T., & AlpArray and SWATH-D Working Groups. (2024). Automated measurement of teleseismic P-, SH- and SV-wave arrival times using autoregressive prediction and the instantaneous phase of multicomponent waveforms. *Geophysical Journal International*, *239*(2), 936–949. https://doi.org/10.1093/gji/ggae307

Stephenson, S. N., Hoggard, M. J., Holdt, M. C., & White, N. (2024). Continental Residual Topography Extracted From Global Analysis of Crustal Structure. *Journal of Geophysical Research: Solid Earth*, *129*(4), e2023JB026735. https://doi.org/10.1029/2023JB026735

Stevens, L. A., Das, S. B., Behn, M. D., McGuire, J. J., Lai, C.-Y., Joughin, I., Larochelle, S., & Nettles, M. (2024). Elastic Stress Coupling Between Supraglacial Lakes. *Journal of Geophysical Research: Earth Surface*, *129*(5), e2023JF007481. https://doi.org/10.1029/2023JF007481

Stevens, N. T., Zoet, L. K., Hansen, D. D., Alley, R. B., Roland, C. J., Schwans, E., & Shepherd, C. S. (2024). Icequake insights on transient glacier slip mechanics near channelized subglacial drainage. *Earth and Planetary Science Letters*, *627*, 118513. https://doi.org/10.1016/j.epsl.2023.118513

Stone, R. (2024). In search of natural riches, China plans $1 billion geoscience survey. *Science*. https://doi.org/doi: 10.1126/science.z5q8pmf

Strayer, L., Catchings, R., Chan, J., Goldman, M., McEvilly, A., & Suppe, J. (2024). Upper crustal seismic velocity structure of the Hayward fault zone, San Francisco Bay, California, USA: Results from the 2016 East Bay Seismic Experiment (EBSI-16). GSA Bulletin, 136(7–8), 3261–3276. https://doi.org/10.1130/B36919.1

Strumia, C., Trabattoni, A., Supino, M., Baillet, M., Rivet, D., & Festa, G. (2024). Sensing Optical Fibers for Earthquake Source Characterization Using Raw DAS Records. *Journal of Geophysical Research: Solid Earth*, *129*(1), e2023JB027860. https://doi.org/10.1029/2023JB027860

Su, Y., Ni, S., Zhang, B., Chen, Y., Wu, W., Li, M., Sun, H., Hou, M., Cui, X., & Sun, D. (2024). Detections of ultralow velocity zones in high-velocity lowermost mantle linked to subducted slabs. *Nature Geoscience*, *17*(4), 332–339. https://doi.org/10.1038/s41561-024-01394-5

Suarez, A. L. A., & Beroza, G. (2024). Curated Regional Earthquake Waveforms (CREW) Dataset. Seismica, 3(1). https://doi.org/10.26443/seismica.v3i1.1049

Sudholz, Z. J., Zhang, P., Eakin, C. M., Yaxley, G. M., Jaques, A. L., Frigo, C., & Czarnota, K. (2024). Ancient Craton-Wide Mid-Lithosphere Discontinuity Controlled by Pargasite Channels. *Geophysical Research Letters*, *51*(9), e2024GL108433. https://doi.org/10.1029/2024GL108433

Sudibyo, M. R. P., Eibl, E. P. S., Hainzl, S., & Ohrnberger, M. (2024). Dynamical changes in seismic properties prior to, during, and after the 2014–2015 Holuhraun eruption, Iceland.

Natural Hazards and Earth System Sciences, *24*(11), 4075–4089. https://doi.org/10.5194/nhess-24-4075-2024

Sun H., Liu Y., Wang Z., Ji X., Zhao W., & Chen C. (2024). Influence of two-dimensional electrical anisotropy on dimensionality analysis of magnetotelluric data. *Chinese Journal of Geophysics*, *67*(12), 4794–4805. https://doi.org/10.6038/cjg2023R0020

Sun, D., & Miller, M. S. (2024). Revealing the Secrets of the Western Mediterranean: A Deep Earthquake and the Overturned Slab. The Seismic Record, 4(1), 52–61. https://doi.org/10.1785/0320230049

Sun, P., Li, M., Guo, C., & Wei, D. (2024). The relationship between GRACE gravity and the seismic b-value: a case study of the Northern Chile Triple Junction (25° S–40° S). *Geophysical Journal International*, *237*(3), 1575–1608. https://doi.org/10.1093/gji/ggae116

Sun, W., Tkalčić, H., & Tang, Q. (2024). Single-Station Back-Azimuth Determination with the Receiver Function Rotation Technique Validated by the Locations of Earthquakes, Impacts, and Explosions. Seismological Research Letters, 95(5), 2925–2938. https://doi.org/10.1785/0220240117

Svennevig, K., Hicks, S. P., Forbriger, T., Lecocq, T., Widmer-Schnidrig, R., Mangeney, A., Hibert, C., Korsgaard, N. J., Lucas, A., Satriano, C., Anthony, R. E., Mordret, A., Schippkus, S., Rysgaard, S., Boone, W., Gibbons, S. J., Cook, K. L., Glimsdal, S., Løvholt, F., … Wirtz, B. (2024). A rockslide-generated tsunami in a Greenland fjord rang Earth for 9 days. *Science*, *385*(6714), 1196–1205. https://doi.org/10.1126/science.adm9247

Takemura, S., Baba, S., Yabe, S., Yamashita, Y., Shiomi, K., & Matsuzawa, T. (2024). Detectability analysis of very low frequency earthquakes: methods and application in Nankai using F-net and DONET broad-band seismometers. *Geophysical Journal International*, *237*(1), 49–63. https://doi.org/10.1093/gji/ggae033

Takemura, S., Kubota, T., & Sandanbata, O. (2024). Successive Tsunamigenic Events Near Sofu Seamount Inferred From High-Frequency Teleseismic P and Regional T Waves. *Journal of Geophysical Research: Solid Earth*, *129*(10), e2024JB029746. https://doi.org/10.1029/2024JB029746

Tan, D., Fee, D., Witsil, A., Girona, T., Haney, M., Wech, A., Waythomas, C., & Lopez, T. (2024). Detection and Characterization of Seismic and Acoustic Signals at Pavlof Volcano, Alaska, Using Deep Learning. *Journal of Geophysical Research: Solid Earth*, *129*(6), e2024JB029194. https://doi.org/10.1029/2024JB029194

Tang H., Guo L., & Li Y. (2024). Joint estimation by receiver function and gravity data based on thermal gravity correction and its application in Fujian province, China. *Chinese Journal of Geophysics*, *67*(7), 2668–2682. https://doi.org/10.6038/cjg2023R0204

Tang, L., Igel, H., Montagner, J.-P., & Vernon, F. (2024). Seismic Anisotropy From 6C Ground Motions of Ambient Seismic Noise. *Journal of Geophysical Research: Solid Earth*, *129*(6), e2024JB028959. https://doi.org/10.1029/2024JB028959

Tanimoto, T. (2024). Deformation of solid earth by surface pressure: equivalence between Ben-Menahem and Singh's formula and Sorrells' formula. *Geophysical Journal International*, *238*(2), 820–826. https://doi.org/10.1093/gji/ggae185

Tao T., Han P., Ma H., & Tan H. (2024). 3D Time-lapse resistivity inversion. *Chinese Journal of Geophysics*, *67*(10), 3973–3988. https://doi.org/10.6038/cjg2023R0297

Tao, Z., Li, A., Wu, J., & Fischer, K. M. (2025). Revealing the Cape Verde Hotspot Track Across the Great Lakes. *Geophysical Research Letters*, *52*(1), e2024GL110777. https://doi.org/10.1029/2024GL110777

Tarchini, G., Scafidi, D., Parolai, S., Picozzi, M., Bindi, D., & Spallarossa, D. (2024). The Seismic Station and Site Amplification Service: Continuously Updated Information on Italian Seismic Stations. Seismological Research Letters. https://doi.org/10.1785/0220240291

Tatarinov, V. N., Kaftan, V. I., Manevich, A. I., Dzeboev, B. A., Dzeranov, B. V., Avdonina, A. M., Losev, I. V., & Korolkova, A. A. (2024). Neotectonic Evolution of the Caucasus: Recent Vertical Movements and Mechanism of Crustal Deformation. Izvestiya, Physics of the Solid Earth, 60(4), 585–603. https://doi.org/10.1134/S1069351324700630

Tavera, H., Nina, V., Bernal, I. Y., & Mercado, A. (2024). Analysis and Evaluation of Recent Deformation on the Huaytapallana Fault (Central Region of Peru) Based on Data Obtained from a Local Seismic Network. Seismological Research Letters. https://doi.org/10.1785/0220240257

Terleth, Y., Bartholomaus, T. C., Liu, J., Beaud, F., Mikesell, T. D., & Enderlin, E. M. (2024). Transient subglacial water routing efficiency modulates ice velocities prior to surge termination on Síť Kusá, Alaska. *Journal of Glaciology*, *70*, e29. https://doi.org/10.1017/jog.2024.38

Thompson, E. M., Hearne, M., Aagaard, B. T., Rekoske, J. M., Worden, C. B., Moschetti, M. P., Hunsinger, H. E., Ferragut, G. C., Parker, G. A., Smith, J. A., Smith, K. K., & Kottke, A. R. (2024). Automated, Near Real-Time Ground-Motion Processing at the U.S. Geological Survey. Seismological Research Letters, 96(1), 538–553. https://doi.org/10.1785/0220240021

Thorne, M. S., Pachhai, S., & Garnero, E. J. (2024). Effects of 2.5-D ultra-low and ultra-high velocity zones on flip-reverse-stacking (FRS) of the ScS wavefield. *Geophysical Journal International*, *239*(2), 1038–1062. https://doi.org/10.1093/gji/ggae315

Thorne, M. S., Pachhai, S., Li, M., Ward, J., & Rost, S. (2024). Investigating Ultra-Low Velocity Zones as Sources of PKP Scattering Beneath North America and the Western Pacific Ocean: Potential Links to Subducted Oceanic Crust. AGU Advances, 5(4), e2024AV001265. https://doi.org/10.1029/2024AV001265

Thrastarson, S., van Herwaarden, D., Noe, S., Josef Schiller, C., & Fichtner, A. (2024). REVEAL: A Global Full-Waveform Inversion Model. *Bulletin of the Seismological Society of America*, *114*(3), 1392–1406. https://doi.org/10.1785/0120230273

Thurin, J. (2024). Sparse fault representation based on moment tensor interpolation. Seismica, 3(2). https://doi.org/10.26443/seismica.v3i2.1433

Tilara, C., Monika, & Agrawal, M. (2024). Seismic hazard assessment of Mathura city (India): A deterministic approach. Journal of Earth System Science, 133(4), 209. https://doi.org/10.1007/s12040-024-02414-z

Timkó, M., El-Sharkawy, A., Wiesenberg, L., Fodor, L., Wéber, Z., Lebedev, S., Eckel, F., Meier, T., & the AlpArray Working Group. (2024). Crustal and upper mantle 3-D Vs structure of the Pannonian region from joint earthquake and ambient noise Rayleigh wave tomography. *Geophysical Journal International*, *239*(2), 1313–1334. https://doi.org/10.1093/gji/ggae314

Timsina, P., Hearn, T. M., & Ni, J. F. (2024). Crust and Mantle Flow From Central Tibetan Plateau to the Indo-Burma Subduction Zone. *Journal of Geophysical Research: Solid Earth*, *129*(10), e2023JB027540. https://doi.org/10.1029/2023JB027540

Tiwari, S. H., Bagiya, M. S., Maurya, S., Heki, K., & Dimri, A. P. (2024). On the role of volcanic plume heights in excitation of free oscillations of the solid Earth and atmosphere: Case study. Advances in Space Research, 73(6), 2988–2998. https://doi.org/10.1016/j.asr.2024.01.001

Tomasetto, L., Boué, P., Stehly, L., Ardhuin, F., & Nataf, H.-C. (2024). On the Stability of Mantle-Sensitive P-Wave Interference During a Secondary Microseismic Event. *Geophysical Research Letters*, *51*(8), e2023GL108018. https://doi.org/10.1029/2023GL108018

Touati, B., Gu, W., Ni, S., Chu, R., Sheng, M., Xue, Q., Bellalem, F., Maouche, S., & Yahyaoui, H. (2024). The 2023 Mw 6.8 Adassil Earthquake (Chichaoua, Morocco) on a steep reverse fault in the deep crust and its geodynamic implications. Earth and Planetary Physics, 8(3), 522–534. https://doi.org/10.26464/epp2024019

Toyokuni, G., & Zhao, D. (2024). Slab-Plume Interactions Beneath Australia and New Zealand: New Insight From Whole-Mantle Tomography. *Geochemistry, Geophysics, Geosystems*, *25*(11), e2024GC011739. https://doi.org/10.1029/2024GC011739

Traitangwong, P., Khamsiri, S., & Pailoplee, S. (2024). Precursory seismic quiescence of major earthquakes along the Sagaing fault zone, central Myanmar: application of the pattern informatics technique. Geoscience Letters, 11(1), 33. https://doi.org/10.1186/s40562-024-00351-9

Triantafyllou, I., Agalos, A., Samaras, A. G., Karambas, T. V., & Papadopoulos, G. A. (2024). Strong earthquakes and tsunami potential in the Hellenic Subduction Zone. *Journal of Geodynamics*, *159*, 102021. https://doi.org/10.1016/j.jog.2024.102021

Tsarsitalidou, C., Hillers, G., Giammarinaro, B., Boué, P., Stehly, L., & Campillo, M. (2024). Long Period Rayleigh Wave Focal Spot Imaging Applied to USArray Data. *Journal of*

Geophysical Research: Solid Earth, *129*(5), e2023JB027417. https://doi.org/10.1029/2023JB027417

Tsuboi, S., & Butler, R. (2024). Adjoint inversion of antipodal PKPab waveforms for P wave velocity anomaly at the base of the lower mantle. *Physics of the Earth and Planetary Interiors*, *351*, 107181. https://doi.org/10.1016/j.pepi.2024.107181

Tuinstra, K., Grigoli, F., Lanza, F., Rinaldi, A. P., Fichtner, A., & Wiemer, S. (2024). Locating clustered seismicity using Distance Geometry Solvers: applications for sparse and single-borehole DAS networks. *Geophysical Journal International*, *238*(2), 661–680. https://doi.org/10.1093/gji/ggae168

Valero Cano, E., Fichtner, A., Peter, D., & Mai, P. M. (2024). The impact of ambient noise sources in subsurface models estimated from noise correlation waveforms. *Geophysical Journal International*, *239*(1), 85–98. https://doi.org/10.1093/gji/ggae259

van Laaten, M., & Wegler, U. (2024). Nonlinear Inversion for a Multilayer Seismic S-Wave Attenuation Model Using Radiative Transfer Theory. *Journal of Geophysical Research: Solid Earth*, *129*(8), e2023JB027989. https://doi.org/10.1029/2023JB027989

Vantassel, J. P., Crocker, J. A., Cox, B. R., & Tran, K. (2024). Subsurface imaging dataset acquired at the Garner Valley Downhole Array site using a dense network of three-component nodal stations. Earthquake Spectra, 40(1), 783–802. https://doi.org/10.1177/87552930231209734

Vasyura-Bathke, H., Steinberg, A., Krüger, F., Feng, G., Mai, P. M., & Jónsson, S. (2024). Discontinuous transtensional rupture during the Mw 7.2 1995 Gulf of Aqaba earthquake. Seismica, 3(1). https://doi.org/10.26443/seismica.v3i1.1135

Vayavur, R., & Calvert, A. J. (2024). Seismic and Potential Field Constraints on Upper Crustal Architecture of Inner Bering Shelf, Offshore Southwestern Alaska. *Tectonophysics*, *884*, 230398. https://doi.org/10.1016/j.tecto.2024.230398

Vera, F., Tilmann, F., & Saul, J. (2024). A Decade of Short-Period Earthquake Rupture Histories From Multi-Array Back-Projection. *Journal of Geophysical Research: Solid Earth*, *129*(2), e2023JB027260. https://doi.org/10.1029/2023JB027260

Verbitsky, M. Y., Mann, M. E., & Volobuev, D. (2024). Absence of causality between seismic activity and global warming. *Earth System Dynamics*, *15*(4), 1015–1017. https://doi.org/10.5194/esd-15-1015-2024

Vinogradov, M. P., & Milyukov, V. K. (2024). Estimation of Frequencies and Splitting of 2S1 and 3S1 Modes after the 2013 Sea of Okhotsk Earthquake from IGETS Superconducting Gravimeter Network Data. *Izvestiya, Physics of the Solid Earth*, *60*(2), 236–246. https://doi.org/10.1134/S1069351324700277

Voosen, P. (2024). Could melting ice wake up Antarctica's volcanoes? *Science*. https://doi.org/doi: 10.1126/science.z4e6sra

Waldien, T. S., Miller, M. S., & Roeske, S. M. (2024). Geologic Evolution of the Denali Fault System and Associated Crustal Structure. In *Tectonics and Seismic Structure of Alaska and Northwestern Canada* (pp. 547–574). American Geophysical Union (AGU). https://doi.org/10.1002/9781394195947.ch20

Wan W., Chen C., Wang Y., Mu C., He Y., & Wang C. (2024). Comparative analysis of surface and deep underground seismic ambient noise. *Chinese Journal of Geophysics*, *67*(2), 793–808. https://doi.org/10.6038/cjg2023R0104

Wan, Z., Dong, R., Wang, D., Xu, S., Wang, Z., & Wang, Q. (2024). Along-Strike Variation of Rupture Characteristics and Aftershock Patterns of the 2023 Mw 7.8 Türkiye Earthquake Controlled by Fault Structure. Seismological Research Letters, 95(4), 2071–2080. https://doi.org/10.1785/0220230378

Wang J., Ma Q., Tao D., Zhang X., Xie Q., & Lin D. (2024). Time-domain method of source parameters considering elliptic model for M_W≥5.5 earthquakes. *Chinese Journal of Geophysics*, *67*(3), 1093–1107. https://doi.org/10.6038/cjg2023R0066

Wang, B., Kao, H., Yu, H., Li, G., Dokht, R. M. H., & Visser, R. (2024). Unveiling Key factors governing seismogenic potential and seismogenic productivity of hydraulic fracturing pads: Insights from machine learning in the Southern Montney Play. *Earth and Planetary Science Letters*, *626*, 118511. https://doi.org/10.1016/j.epsl.2023.118511

Wang, D., Gao, S. S., Liao, Y., & Liu, K. H. (2024). A Tilted Broad Plume Underneath the Greenland Cratonic Keels. *Geophysical Research Letters*, *51*(8), e2023GL107360. https://doi.org/10.1029/2023GL107360

Wang, F., Wei, S. S., Drooff, C., Elliott, J. L., Freymueller, J. T., Ruppert, N. A., & Zhang, H. (2024). Fluids control along-strike variations in the Alaska megathrust slip. *Earth and Planetary Science Letters*, *633*, 118655. https://doi.org/10.1016/j.epsl.2024.118655

Wang, J., Lekić, V., Schmerr, N. C., Gu, Y. J., Guo, Y., & Lin, R. (2024). Mesozoic intraoceanic subduction shaped the lower mantle beneath the East Pacific Rise. *Science Advances*, *10*(39), eado1219. https://doi.org/10.1126/sciadv.ado1219

Wang, J., Wang, Z., Fu, X., Wang, X.-C., Wilde, S. A., Fu, Y., Lin, J., Wei, H., Shen, L., Rao, G., & Mansour, A. (2024). Control of stepwise subduction and slab breakoff on volcanism and uplift in the Tibetan Plateau. *Earth and Planetary Science Letters*, *647*, 119057. https://doi.org/10.1016/j.epsl.2024.119057

Wang, J., Zhang, S., Zhao, Y., Cai, F., Wang, C., He, J., & Ding, L. (2024). Coseismic deformation analysis of the 2017 Milin Ms 6.9 earthquake in the Namche Barwa Syntaxis: Implications for regional tectonics. *Fundamental Research*. https://doi.org/10.1016/j.fmre.2024.09.003

Wang, K., Waldhauser, F., Schaff, D., Tolstoy, M., Wilcock, W. S. D., & Tan, Y. J. (2024). Real-Time Detection of Volcanic Unrest and Eruption at Axial Seamount Using Machine Learning. Seismological Research Letters, 95(5), 2651–2662. https://doi.org/10.1785/0220240086

Wang, K., Waldhauser, F., Tolstoy, M., Schaff, D., Sawi, T., Wilcock, W. S. D., & Tan, Y. J. (2024). Volcanic Precursor Revealed by Machine Learning Offers New Eruption Forecasting Capability. *Geophysical Research Letters*, *51*(19), e2024GL108631. https://doi.org/10.1029/2024GL108631

Wang, P., Chen, J., Feng, X., Pan, L., & Chen, X. (2024). Crust and upper mantle S wave velocity structure in eastern Turkey based on ambient noise tomography. *Tectonophysics*, *876*, 230267. https://doi.org/10.1016/j.tecto.2024.230267

Wang, R., Vidale, J. E., & Wang, W. (2024). No Temporal Change Seen in High-Frequency Waves Scattered Near the Core-Mantle Boundary. *Geophysical Research Letters*, *51*(23), e2024GL112155. https://doi.org/10.1029/2024GL112155

Wang, T. A., Dunham, E. M., Krenz, L., Abrahams, L. S., Segall, P., & Yoder, M. R. (2024). Dynamic Rupture Simulations of Caldera Collapse Earthquakes: Effects of Wave Radiation, Magma Viscosity, and Evidence of Complex Nucleation at Kīlauea 2018. *Journal of Geophysical Research: Solid Earth*, *129*(4), e2023JB028280. https://doi.org/10.1029/2023JB028280

Wang, T., Gao, S. S., Liu, K. H., Mickus, K. L., & Chen, L. (2024). Lithospheric Evolution of the South-Central United States Constrained by Joint Inversion of Receiver Functions and Surface Wave Dispersion. *Journal of Geophysical Research: Solid Earth*, *129*(6), e2023JB026874. https://doi.org/10.1029/2023JB026874

Wang, W., Vidale, J. E., Pang, G., Koper, K. D., & Wang, R. (2024). Inner core backtracking by seismic waveform change reversals. *Nature*, *631*(8020), 340–343. https://doi.org/10.1038/s41586-024-07536-4

Wang, X., Chen, L., Wang, K., Chen, Q.-F., Zhan, Z., & Yang, J. (2024). Seismic evidence for melt-rich lithosphere-asthenosphere boundary beneath young slab at Cascadia. *Nature Communications*, *15*(1), 3504. https://doi.org/10.1038/s41467-024-47887-0

Wang, X., Wei, S., Morales-Yáñez, C., Duputel, Z., Chen, L., Hao, T., & Zhao, L. (2024). Plate interface geometry complexity and persistent heterogenous coupling revealed by a high-resolution earthquake focal mechanism catalog in Mentawai, Sumatra. *Earth and Planetary Science Letters*, *637*, 118726. https://doi.org/10.1016/j.epsl.2024.118726

Wang, Y., Russo, R. M., & Lin, Y. (2024). Use of decision tree ensembles for crustal structure imaging from receiver functions. *Geophysical Journal International*, *238*(3), 1429–1450. https://doi.org/10.1093/gji/ggae226

Wang, Z., Zhao, Q., Shao, Z., & Wang, W. (2024). From one-dimensional to three-dimensional: effect of lateral inhomogeneity on tidal gravity and its implications for lithospheric strength. *Journal of Geodesy*, *99*(1), 6. https://doi.org/10.1007/s00190-024-01907-5

Wansing, A., Ebbing, J., & Moorkamp, M. (2024). The lithospheric structure of Greenland from a stepwise forward and inverse modelling approach. *Geophysical Journal International*, *238*(2), 719–741. https://doi.org/10.1093/gji/ggae183

Waszek, L., Anandawansha, R., Sexton, J., & Tauzin, B. (2024). Thermochemistry of the Mantle Transition Zone Beneath the Western Pacific. *Geophysical Research Letters*, *51*(18), e2024GL110852. https://doi.org/10.1029/2024GL110852

Wech, A. G. (2024). Tectonic Tremor Observations Across Alaska. In *Tectonics and Seismic Structure of Alaska and Northwestern Canada* (pp. 325–334). American Geophysical Union (AGU). https://doi.org/10.1002/9781394195947.ch11

Wei, J., Liu, Q., Chen, L., Wei, S., & Zhao, L. (2024). A Novel 3-D Seismic Scattering and Intrinsic Attenuation Tomography and Its Application to Northern Sumatra. *Journal of Geophysical Research: Solid Earth*, *129*(11), e2024JB029116. https://doi.org/10.1029/2024JB029116

Wei, M. (Matt), He, L., & Smith-Konter, B. (2024). A model of the earthquake cycle along the Gofar oceanic transform faults. *Seismica*, *3*(2). https://doi.org/10.26443/seismica.v3i2.1382

Wells, D., Lomax, A., Baker, B., Bartley, J., & Pankow, K. (2024). Wasatch Fault Structure from Machine Learning Arrival Times and High-Precision Earthquake Locations. *Bulletin of the Seismological Society of America*, *114*(4), 1902–1919. https://doi.org/10.1785/0120230247

Wen, Z., Yao, J., Huang, R., Zhu, L., Cheng, S., Zhang, Y., Li, J., Phetphouthongdy, B., Morley, C. K., & Tong, P. (2024). A New Crustal Thickness and VP/VS Model of the Indochina Peninsula. Seismological Research Letters. https://doi.org/10.1785/0220240182

Wessel, P. (2024). The Origins of the Generic Mapping Tools: From Table Tennis to Geoscience. *Perspectives of Earth and Space Scientists*, *5*(1), e2023CN000231. https://doi.org/10.1029/2023CN000231

Widiwijayanti, C., Thin Zar Win, N., Espinosa-Ortega, T., Costa, F., & Taisne, B. (2024). The global volcano monitoring infrastructure database (GVMID). *Frontiers in Earth Science*, *12*. https://doi.org/10.3389/feart.2024.1284889

Wiens, D. A., Aster, R. C., Nyblade, A. A., Bromirski, P. D., Gerstoft, P., & Stephen, R. A. (2024). Ross Ice Shelf Displacement and Elastic Plate Waves Induced by Whillans Ice Stream Slip Events. *Geophysical Research Letters*, *51*(7), e2023GL108040. https://doi.org/10.1029/2023GL108040

Wilding, J. D., & Ross, Z. E. (2024). Insights on the state of stress in the mantle beneath Pahala, Hawai‘i. *Volcanica*, *7*(1), 1–19. https://doi.org/10.30909/vol.07.01.0119

Wilding, J. D., & Ross, Z. E. (2024). Rift Zone Architecture and Inflation-Driven Seismicity of Mauna Loa Volcano. *Journal of Geophysical Research: Solid Earth*, *129*(9), e2024JB029726. https://doi.org/10.1029/2024JB029726

Wilgus, J. T., Ringler, A. T., Schmandt, B., Wilson, D. C., & Anthony, R. E. (2024). Background Seismic Noise Levels among the Caribbean Network and the Role of Station Proximity

to Coastline. Seismological Research Letters, 95(4), 2141–2152. https://doi.org/10.1785/0220230215

Witter, R. C., Kelsey, H. M., Lease, R. O., Bender, A. M., Scharer, K. M., Haeussler, P. J., & Brothers, D. S. (2024). Oblique Contraction Along the Fastest Ocean–Continent Transform Plate Boundary Focuses Rock Uplift West of the Fairweather Fault, Southeast Alaska. In *Tectonics and Seismic Structure of Alaska and Northwestern Canada* (pp. 461–495). American Geophysical Union (AGU). https://doi.org/10.1002/9781394195947.ch17

Wolf, J., & Long, M. D. (2024). ScS shear-wave splitting in the lowermost mantle: Practical challenges and new global measurements. *Seismica*, *3*(1). https://doi.org/10.26443/seismica.v3i1.1128

Wolf, J., Frost, D. A., Brewster, A., Long, M. D., Garnero, E., & West, J. D. (2024). Widespread Anisotropy Beneath North America and the Northeastern Pacific and Implications for Upper Mantle Anisotropy Measurements. *Journal of Geophysical Research: Solid Earth*, *129*(10), e2024JB029516. https://doi.org/10.1029/2024JB029516

Wolf, J., Li, M., Haws, A. A., & Long, M. D. (2024). Strong seismic anisotropy due to upwelling flow at the root of the Yellowstone mantle plume. *Geology*, *52*(5), 379–382. https://doi.org/10.1130/G51919.1

Wolf, J., Li, M., Long, M. D., & Garnero, E. (2024). Advances in Mapping Lowermost Mantle Convective Flow With Seismic Anisotropy Observations. *Reviews of Geophysics*, *62*(2), e2023RG000833. https://doi.org/10.1029/2023RG000833

Wolf, J., Long, M. D., & Frost, D. A. (2024). Ultralow velocity zone and deep mantle flow beneath the Himalayas linked to subducted slab. *Nature Geoscience*, *17*(4), 302–308. https://doi.org/10.1038/s41561-024-01386-5

Wolf, J., Long, M. D., Frost, D. A., & Nissen-Meyer, T. (2024). The expression of mantle seismic anisotropy in the global seismic wavefield. *Geophysical Journal International*, *238*(1), 346–363. https://doi.org/10.1093/gji/ggae164

Wong, J. W. C., Fan, W., & Gabriel, A.-A. (2024). A Quantitative Comparison and Validation of Finite-Fault Models: The 2011 Tohoku-Oki Earthquake. *Journal of Geophysical Research: Solid Earth*, *129*(10), e2024JB029212. https://doi.org/10.1029/2024JB029212

Wu, H., Sui, S., & Shen, W. (2024). Incorporating H-κ Stacking With Monte Carlo Joint Inversion of Multiple Seismic Observables: A Case Study for the Northwestern US. *Journal of Geophysical Research: Solid Earth*, *129*(7), e2023JB027952. https://doi.org/10.1029/2023JB027952

Wu, S., Guo, Z., Luo, B., Qin, L., Wu, C., Wei, Z., Ren, P., & Yu, H. (2024). Sensor Misorientation of CHINArray-II in Northeastern Tibetan Plateau from P- and Rayleigh-Wave Polarization Analysis. Seismological Research Letters, 95(3), 1663–1674. https://doi.org/10.1785/0220230328

Wu, T., Cao, Z.-J., Li, M., Zhang, S., & Qin, L. (2024). Anisotropic Rayleigh wave tomography revealed lithospheric modification and tectonic deformation mechanisms in Hubei Province, central China. *Tectonophysics*, *870*, 230161. https://doi.org/10.1016/j.tecto.2023.230161

Wu, T., Hua, Y., Chen, M., & Luo, X. (2024). Complex deformation mechanisms of the crust in eastern and northeastern Tibetan Plateau: Insights from ambient noise tomography that captures azimuthal anisotropy. *Physics of the Earth and Planetary Interiors*, *356*, 107269. https://doi.org/10.1016/j.pepi.2024.107269

Wu, W., Zhan, Z., Panning, M., & Klesh, A. (2024). Fiber Seismic Network on the Moon. Seismological Research Letters. https://doi.org/10.1785/0220230067

Wu, Y., & Bao, X. (2024). The Mantle Transition Zone Structure Beneath the Pamir Plateau and Western Tian Shan and Adjacent Regions. *Journal of Geophysical Research: Solid Earth*, *129*(7), e2023JB028129. https://doi.org/10.1029/2023JB028129

Wu, Z., Xiao, R., Jiang, M., & Ferreira, V. G. (2024). Characterizing the spatial structure and aliasing effect of ocean tide loading on InSAR measurements. *Remote Sensing of Environment*, *311*, 114297. https://doi.org/10.1016/j.rse.2024.114297

Wu, Z., Zhang, H., Yang, X., Li, W., & Ye, H. (2024). 3D seismic data reconstruction using an improved projection onto convex sets method based on prior support information. *Journal of Applied Geophysics*, *224*, 105356. https://doi.org/10.1016/j.jappgeo.2024.105356

Xi, J., Yu, Y., Zhao, D., & Hu, J. (2024). Modification of Archean cratons in southern Africa with foundered segments dropped into the shallow lower mantle. *Geology*, *52*(6), 468–472. https://doi.org/10.1130/G52023.1

Xi, Z., Chen, M., Wei, S. S., Li, J., Zhou, T., Wang, B., & Kim, Y. (2024). EARA2024: a new radially anisotropic seismic velocity model for the crust and upper mantle beneath East Asia and Northwestern pacific subduction zones. *Geophysical Journal International*, *239*(2), 914–935. https://doi.org/10.1093/gji/ggae302

Xi, Z., Wei, S. S., Zhu, W., Beroza, G. C., Jie, Y., & Saloor, N. (2024). Deep learning for deep earthquakes: insights from OBS observations of the Tonga subduction zone. *Geophysical Journal International*, *238*(2), 1073–1088. https://doi.org/10.1093/gji/ggae200

Xia, T., Ye, L., Bai, Y., Lay, T., Xu, S., Kanamori, H., Rivera, L., & Dwi Sriyanto, S. P. (2024). The 2022 M 7.3 Southern Sumatra Tsunami Earthquake: Rupture Up-Dip of the 2007 M 8.4 Bengkulu Event. *Journal of Geophysical Research: Solid Earth*, *129*(12), e2024JB030284. https://doi.org/10.1029/2024JB030284

Xia, Y., Feng, X., & Chen, X. (2024a). Noise correlation analysis: the role of the inflection points in the formation of zero-time waves. *Geophysical Journal International*, *236*(1), 174–182. https://doi.org/10.1093/gji/ggad426

Xia, Y., Feng, X., & Chen, X. (2024b). Unravelling the excitation mechanism of very long-period (VLP) tremors in the Gulf of Guinea: evidence for vibrations of thin surface crustal plates. *Geophysical Journal International*, *237*(2), 1079–1092. https://doi.org/10.1093/gji/ggae090

Xiao, H., Spica, Z. J., Li, J., & Zhan, Z. (2024). Detection of Earthquake Infragravity and Tsunami Waves With Underwater Distributed Acoustic Sensing. *Geophysical Research Letters*, *51*(2), e2023GL106767. https://doi.org/10.1029/2023GL106767

Xiao, X., Cheng, S., Wu, J., Wang, W., Sun, L., Wang, X., Ma, J., Tong, Y., Liang, X., Tian, X., Li, H., Chen, Q.-F., Yu, S., & Wen, L. (2024). CSRM-1.0: A China Seismological Reference Model. *Journal of Geophysical Research: Solid Earth*, *129*(9), e2024JB029520. https://doi.org/10.1029/2024JB029520

Xie, J., Luo, Y., Bao, X., Dai, A., Xie, Y., & Yang, Y. (2024). On the retrieval of body waves from ambient noise based on regional seismic arrays. *Geophysical Journal International*, *237*(1), 190–202. https://doi.org/10.1093/gji/ggae037

Xie, J., Yang, Y., Luo, Y., Xie, Y., & Li, Z. (2024). Ambient Noise-Derived SmS Splitting: A New Approach to Constraining Crustal Radial Anisotropy. *Geophysical Research Letters*, *51*(21), e2024GL111370. https://doi.org/10.1029/2024GL111370

Xie, Y., Luo, Y., & Yang, Y. (2024). A phase unwrapping approach in measuring surface wave phase velocities from ambient noise. *Geophysical Journal International*, *239*(1), 694–705. https://doi.org/10.1093/gji/ggae288

Xing, J., Xu, H., Gong, W., Yang, B., & Liu, C. (2024). Anisotropic Characterization of the Chukchi Boardland Based on Ocean-Bottom Seismic Experiment during N11-CHINARE. Seismological Research Letters, 95(4), 2428–2443. https://doi.org/10.1785/0220230349

Xiong, C., Ye, X., Guo, Z., Wang, L., Wu, X., Zhang, Y., & Lv, Z. (2024). High-Resolution 3D Shallow S-Wave Velocity Structure Revealed by Ambient-Noise Double Beamforming with a Dense Array in Guangzhou Urban Area, China. Seismological Research Letters, 95(6), 3665–3680. https://doi.org/10.1785/0220230405

Xu H., & Wu Q. (2024). Sedimentary and crustal velocity structure of central and southern Mongolia from joint inversion of Rayleigh wave phase velocity, ellipticity and teleseismic P waveform. *Chinese Journal of Geophysics*, *67*(1), 89–107. https://doi.org/10.6038/cjg2023R0237

Xu, H., Yu, Y., & Xi, J. (2024). Deflected Mantle Flow and Shearing-Aligned Lithospheric Melt Under the Strike-Slip Dead Sea Rift. *Journal of Geophysical Research: Solid Earth*, *129*(10), e2024JB029654. https://doi.org/10.1029/2024JB029654

Xu, L., Ji, C., Meng, L., Ampuero, J.-P., Yunjun, Z., Mohanna, S., & Aoki, Y. (2024). Dual-initiation ruptures in the 2024 Noto earthquake encircling a fault asperity at a swarm edge. *Science*, *385*(6711), 871–876. https://doi.org/10.1126/science.adp0493

Xu, L.-S., Wang, C.-Z., Zhang, Z., Fang, L.-H., Yi, L., Zhang, X., Guo, X.-Y., & Li, C.-L. (2024). Integrated seismotectonic model of the 2013 Mw 6.6 and 2022 Mw 5.8 earthquake sequences in the southwestern section of the Longmenshan Fault Zone, China, and its implication. *Geophysical Journal International*, *239*(1), 419–433. https://doi.org/10.1093/gji/ggae274

Xu, X., Huang, Z., Jiang, D., Zeng, G., & Dai, L.-Q. (2024). Remnants and fragments of the subducted paleo-Pacific plate: Constraints from geochemistry and geophysics. *Science China Earth Sciences*, *67*(10), 3041–3061. https://doi.org/10.1007/s11430-024-1352-y

Xu, Y., & Wen, L. (2024). Non-Double-Couple Components of Seismic Source: Method and Application to the 2014–2015 Bárðarbunga Volcanic Event Sequence, Iceland. *Journal of Geophysical Research: Solid Earth*, *129*(4), e2023JB028592. https://doi.org/10.1029/2023JB028592

Yagi, Y., Okuwaki, R., Hirano, S., Enescu, B., Chikamori, M., & Yamaguchi, R. (2024). Barrier-Induced Rupture Front Disturbances during the 2023 Morocco Earthquake. Seismological Research Letters, 95(3), 1591–1598. https://doi.org/10.1785/0220230357

Yan, K., Chen, J., & Zhang, T. (2024). Teleseismic Indication of Magmatic and Tectonic Activities at Slow- and Ultraslow-Spreading Ridges. *Journal of Marine Science and Engineering*, *12*(4), 605. https://doi.org/10.3390/jmse12040605

Yang, B., Meng, H., Gu, N., Liu, X., Chen, X., & Ben-Zion, Y. (2024). A Frequency Domain Methodology for Quantitative Evaluation of Diffuse Wavefield With Applications to Seismic Imaging. *Journal of Geophysical Research: Solid Earth*, *129*(5), e2024JB028895. https://doi.org/10.1029/2024JB028895

Yang, F., Li, J., Yu, C., Chen, S., Li, Y., Zhang, Z., & Wang, W. (2024). Complicated thermo-chemical heterogeneity of the mantle transition zone beneath the Philippine Sea Plate revealed by SS precursors investigation. *Earth and Planetary Science Letters*, *648*, 119092. https://doi.org/10.1016/j.epsl.2024.119092

Yang, G., Zhao, L.-F., Xie, X.-B., He, X., Zhang, L., & Yao, Z.-X. (2024). Strong Lg-Wave Attenuation Reveals Quarter-Toroidal Crustal Melting Around the Yakutat Terrane in South-Central Alaska. *Journal of Geophysical Research: Solid Earth*, *129*(9), e2024JB029104. https://doi.org/10.1029/2024JB029104

Yang, H., Guo, R., Zhai, G., Zhou, J., Dai, K., Zheng, Y., Li, L., & Sun, H. (2024). Induced seismicity in the Changning salt mining zone, China, could be driven by the pore-pressure diffusion. *Tectonophysics*, *871*, 230197. https://doi.org/10.1016/j.tecto.2023.230197

Yang, L., & Wang, R. (2024). NaNDC: Full Moment Tensor Inversion and Uncertainty Analysis for Large-N Monitored Small Earthquakes. Seismological Research Letters. https://doi.org/10.1785/0220240219

Yang, R., Wang, X., Chen, L., Feng, M., & Chen, Q. (2024). A two-step multi-frequency receiver function inversion method for shallow crustal S-wave velocity structure and its

application across the basin-mountain range belts in Northeast China. *Science China Earth Sciences*, *67*(3), 687–703. https://doi.org/10.1007/s11430-023-1250-3

Yang, X., Everett Mann, M., Fischer, K. M., Jadamec, M. A., Shawn Wei, S., Pavlis, G. L., & Schaeffer, A. J. (2024). Synthesis of the Seismic Structure of the Greater Alaska Region: Continental Lithosphere. In *Tectonics and Seismic Structure of Alaska and Northwestern Canada* (pp. 185–214). American Geophysical Union (AGU). https://doi.org/10.1002/9781394195947.ch6

Yang, X., Jiang, C., Bian, Y., & Su, W. (2024). Studying Different Mechanisms of Seismo-to-Acoustic Coupling Using Ground Motion Local to Seismoacoustic Sensors. *Bulletin of the Seismological Society of America*, *114*(5), 2397–2408. https://doi.org/10.1785/0120240024

Yang, Y., Song, X., & Ringler, A. T. (2024). Reply to “Comment on ‘An Evaluation of the Timing Accuracy of Global and Regional Seismic Stations and Networks’ by Yang et al. (2021)” by Xin Zhang and Lianxing Wen. Seismological Research Letters, 96(1), 611–619. https://doi.org/10.1785/0220240004

Yang, Y., Zhan, Z., Karrenbach, M., Reid-McLaughlin, A., Biondi, E., Wiens, D. A., & Aster, R. C. (2024). Characterizing South Pole Firn Structure With Fiber Optic Sensing. *Geophysical Research Letters*, *51*(13), e2024GL109183. https://doi.org/10.1029/2024GL109183

Yang, Y., Zhang, Y., Liu, Q., Lv, X., & Huang, P. (2024). A rotational ellipsoid model for solid Earth tide with high precision. *Scientific Reports*, *14*(1), 28527. https://doi.org/10.1038/s41598-024-79898-8

Yang, Z., Xu, T., & Liang, J. (2024). Towards fast focal mechanism inversion of shallow crustal earthquakes in the Chinese mainland. *Earthquake Research Advances*, *4*(2), 100273. https://doi.org/10.1016/j.eqrea.2023.100273

Yao, D., Peng, Z., Ding, C., Sandvol, E., Godoladze, T., & Yetirmishli, G. (2024). Dynamically Triggered Tectonic Tremors and Earthquakes in the Caucasian Region Following the 2023 Kahramanmaraş, Türkiye, Earthquake Sequence. *Geophysical Research Letters*, *51*(22), e2024GL110786. https://doi.org/10.1029/2024GL110786

Yeh, T., & Olsen, K. B. (2024). Waveguide or Not? Revised Ground-Motion Simulations for Greater Los Angeles from the M 7.8 ShakeOut Earthquake Scenario. Seismological Research Letters. https://doi.org/10.1785/0220240242

Yin, D., Zeng, L., Chen, Y., Liu, S., Cheng, Y., Liu, Q., & Qian, L. (2024). Initial rupture sequence and rupture history of the 2008 Wenchuan earthquake from a kinematic perspective. *Natural Hazards*, *120*(15), 14409–14430. https://doi.org/10.1007/s11069-024-06784-x

Yin, Q., Xu, X., Yang, X., Shi, X., Wu, L., Zuza, A. V., Yang, L., Tian, H., Shu, Y., & Yang, S. (2024). Imaging the Western Boundary of the Sichuan Craton from Multiple Geophysical Observations. *Journal of Earth Science*, *35*(6), 1860–1877. https://doi.org/10.1007/s12583-023-1974-z

Yolsal-Çevikbilen, S., Taymaz, T., Irmak, T. S., Erman, C., Kahraman, M., Özkan, B., Eken, T., Öcalan, T., Doğan, A. H., & Altuntaş, C. (2024). Source Geometry and Rupture Characteristics of the 20 February 2023 Mw 6.4 Hatay (Türkiye) Earthquake at Southwest Edge of the East Anatolian Fault. *Geochemistry, Geophysics, Geosystems*, *25*(10), e2023GC011353. https://doi.org/10.1029/2023GC011353

Yoshino, T., Manthilake, G., & Pommier, A. (2024). Probing Deep Hydrogen Using Electrical Conductivity. *Elements*, *20*(4), 247–252. https://doi.org/10.2138/gselements.20.4.247

Yuan Y., & Chen X. (2024). Efficient array partitioning method for F-J transform to extract multimode dispersion curves from ambient noise data. *Chinese Journal of Geophysics*, *67*(2), 492–502. https://doi.org/10.6038/cjg2023R0274

Yuan, Z., Lin, Y., Xu, X., Li, H., Guo, X., Li, C., & Tong, X. (2024). Crustal-scale architecture and origin of the Haiyuan Arcuate Tectonic Belt, NE Tibet. *Tectonophysics*, *890*, 230485. https://doi.org/10.1016/j.tecto.2024.230485

Zafar, W. A., Javed, F., Ahmed, R., Shah, M. A., Ahmad, M., Khan, M. Y., Abdullah, G. M. S., Khan, D., Najeh, T., & Gamil, Y. (2024). Time series subsidence evaluation using NSBAS InSAR: a case study of twin megacities (Rawalpindi and Islamabad) in Pakistan. *Frontiers in Earth Science*, *12*. https://doi.org/10.3389/feart.2024.1336530

Zang, A., Niemz, P., von Specht, S., Zimmermann, G., Milkereit, C., Plenkers, K., & Klee, G. (2024). Comprehensive data set of in situ hydraulic stimulation experiments for geothermal purposes at the Äspö Hard Rock Laboratory (Sweden). *Earth System Science Data*, *16*(1), 295–310. https://doi.org/10.5194/essd-16-295-2024

Zang, C., Wu, W., Ni, S., & Xu, M. (2024). A Reciprocity-Based Efficient Method for Improved Source Parameter Estimation of Submarine Earthquakes With Hybrid 3-D Teleseismic Green's Functions. *Journal of Geophysical Research: Solid Earth*, *129*(5), e2023JB028174. https://doi.org/10.1029/2023JB028174

Zeng, Q., Lin, F.-C., & Tsai, V. C. (2024). Spurious Rayleigh-wave apparent anisotropy near major structural boundaries: a numerical and theoretical investigation. *Geophysical Journal International*, *239*(2), 901–913. https://doi.org/10.1093/gji/ggae305

Zenhäusern, G., Wójcicka, N., Stähler, S. C., Collins, G. S., Daubar, I. J., Knapmeyer, M., Ceylan, S., Clinton, J. F., & Giardini, D. (2024). An estimate of the impact rate on Mars from statistics of very-high-frequency marsquakes. *Nature Astronomy*, *8*(9), 1138–1147. https://doi.org/10.1038/s41550-024-02301-z

Zhang G., Xu J., Chen X., Zhang L., Sun L., & Gong L. (2024). Probing low-frequency toroidal free oscillations and their splitting excited by the 2011 Tohoku, Japan earthquake using observations of borehole strainmeters. *Chinese Journal of Geophysics*, *67*(4), 1383–1397. https://doi.org/10.6038/cjg2023Q0551

Zhang Y., Liu Y., & TongJun T. (2024). Numerical simulation of frequency-dependent *Q* effect in VTI viscoelastic media based on the fractional Zener model. *Chinese Journal of Geophysics*, *67*(9), 3510–3526. https://doi.org/10.6038/cjg2024R0541

Zhang, C., & An, C. (2024). Water-Wave-Induced OBS Noise: Theories, Observations, and Potential Applications. *Journal of Geophysical Research: Solid Earth*, *129*(4), e2023JB027787. https://doi.org/10.1029/2023JB027787

Zhang, H., Cui, T., & Ai, Y. (2024). Using Extensive Core-Reflected Phases to Constrain Sharp Inner Core Boundary Beneath East Asia. *Journal of Geophysical Research: Solid Earth*, *129*(10), e2024JB028698. https://doi.org/10.1029/2024JB028698

Zhang, J., Hu, J., & Sun, D. (2024). Segregation of a thermochemical anomaly and coalescence with a large low-velocity province. *Nature Geoscience*, *17*(7), 689–696. https://doi.org/10.1038/s41561-024-01459-5

Zhang, L., & Tian, X. (2024). Pn-Wave Receiver Function. *Journal of Geophysical Research: Solid Earth*, *129*(4), e2023JB028318. https://doi.org/10.1029/2023JB028318

Zhang, L., Huang, Z., Song, X., & Wu, Q. (2024). A review of geophysical studies on the Mongolian Plateau. *Earthquake Science*, *37*(3), 224–240. https://doi.org/10.1016/j.eqs.2024.03.004

Zhang, Q., Chen, Y., Gu, Y. J., Currie, C., Audet, P., Gilbert, H., Schutt, D. L., Fernández-Viejo, G., & Chen, Y. (2024). A Reference Model of Crustal Thickness and V/V of Western Canada. *Journal of Geophysical Research: Solid Earth*, *129*(9), e2024JB029387. https://doi.org/10.1029/2024JB029387

Zhang, S., & Ritzwoller, M. H. (2024). Applying machine learning to characterize and extrapolate the relationship between seismic structure and surface heat flow. *Geophysical Journal International*, *238*(3), 1201–1222. https://doi.org/10.1093/gji/ggae218

Zhang, S., Chen, J., Pan, L., Li, Z., & Chen, X. (2024). Seismic structure of Iceland revealed by ambient noise Rayleigh wave tomography. *Tectonophysics*, *891*, 230511. https://doi.org/10.1016/j.tecto.2024.230511

Zhang, T., Sens-Schönfelder, C., Bianchi, M., & Bataille, K. (2024). How P-Wave Scattering Throughout the Entire Mantle Mimics the High-Frequency Pdiff and Its Coda. *Geophysical Research Letters*, *51*(14), e2024GL109348. https://doi.org/10.1029/2024GL109348

Zhang, W., Jiménez-Munt, I., Torne, M., Vergés, J., Bravo-Gutiérrez, E., Negredo, A. M., & García-Castellanos, D. (2024). The Lithosphere and Upper Mantle of the Western-Central Mediterranean Region From Integrated Geophysical-Geochemical Modeling. *Journal of Geophysical Research: Solid Earth*, *129*(4), e2023JB028435. https://doi.org/10.1029/2023JB028435

Zhang, X., & Wen, L. (2024). Comment on “An Evaluation of the Timing Accuracy of Global and Regional Seismic Stations and Networks” by Yang et al. (2021). Seismological Research Letters, 96(1), 595–610. https://doi.org/10.1785/0220230292

Zhang, X., & Zhang, M. (2024). Universal neural networks for real-time earthquake early warning trained with generalized earthquakes. *Communications Earth & Environment*, *5*(1), 1–16. https://doi.org/10.1038/s43247-024-01718-8

Zhang, Y., Manga, M., Fu, L.-Y., Zhang, H., Huang, T., Yang, Q., Cui, Z.-D., Qi, S., & Huang, Y. (2024). Long- and Short-Term Effects of Seismic Waves and Coseismic Pressure Changes on Fractured Aquifers. *Journal of Geophysical Research: Solid Earth*, *129*(3), e2023JB027970. https://doi.org/10.1029/2023JB027970

Zhang, Z., & Olugboji, T. (2024). Crustal Imaging with Noisy Teleseismic Receiver Functions Using Sparse Radon Transforms. *Bulletin of the Seismological Society of America*, *114*(3), 1600–1612. https://doi.org/10.1785/0120230254

Zhang, Z., Deng, Y., Xu, Y.-G., & Li, X. (2024). A translithospheric magmatic system revealed beneath Changbaishan volcano. *Geology*, *52*(10), 742–746. https://doi.org/10.1130/G52242.1

Zhang, Z., Nakata, N., Karplus, M., Kaip, G., Qin, L., Li, Z., Shi, C., & Chen, X. (2024). Seismic full-wavefield imaging of the West Antarctic Ice Sheet interior near the ice flow divide. *Earth and Planetary Science Letters*, *636*, 118701. https://doi.org/10.1016/j.epsl.2024.118701

Zhang, Z., Yu, W.-C., & Huang, H.-H. (2024). Constraining seismic anisotropy on the mantle transition zone boundaries beneath the subducting Nazca slab. *Physics of the Earth and Planetary Interiors*, *350*, 107179. https://doi.org/10.1016/j.pepi.2024.107179

Zhao, D., Liang, X., Toyokuni, G., Hua, Y., & Xu, Y. (2024). Cause of Enigmatic Upper-Mantle Earthquakes in Central Wyoming. Seismological Research Letters, 95(4), 2497–2505. https://doi.org/10.1785/0220230333

Zhao, H., He, D., & Cheng, J. (2024). The influence of earthquake source complexity on frequency-dependent radiation patterns by modifying distance-dependent properties. *Journal of Seismology*, *28*(2), 387–401. https://doi.org/10.1007/s10950-024-10200-z

Zhao, K., Yang, Y., & Luo, Y. (2024). Broadband Love Wave Phase Velocity Maps Based on Modified Double-Beamforming of Ambient Noise Cross-Correlations. *Journal of Geophysical Research: Solid Earth*, *129*(3), e2023JB026871. https://doi.org/10.1029/2023JB026871

Zheng, A., Yu, X., Bai, C., Xu, W., Qian, J., Zhang, W., & Chen, X. (2024). Thrust-dominated unilateral rupture of a blind listric fault associated with the 2024 Hualien earthquake. *Scientific Reports*, *14*(1), 31496. https://doi.org/10.1038/s41598-024-82971-x

Zheng, M., Sheehan, A. F., Liu, C., Wu, M., & Ritzwoller, M. H. (2024). Characterizing Sub-Seafloor Seismic Structure of the Alaska Peninsula Along the Alaska-Aleutian

Subduction Zone. *Journal of Geophysical Research: Solid Earth*, *129*(11), e2024JB029862. https://doi.org/10.1029/2024JB029862

Zheng, T., & He, Y. (2024). The crustal juvenile and reworking in eastern Tibet due to tectonism and magmatism. *Scientific Reports*, *14*(1), 1–8. https://doi.org/10.1038/s41598-024-76333-w

Zhong, Y., & Tan, Y. J. (2024). Deep-Learning-Based Phase Picking for Volcano-Tectonic and Long-Period Earthquakes. *Geophysical Research Letters*, *51*(12), e2024GL108438. https://doi.org/10.1029/2024GL108438

Zhou, B., Yan, C., Zhan, Y., Sun, X., Li, S., Wen, X., Mo, Y., Yuan, Y., Yuan, Y., & Huang, M. (2024). Deep electrical structures of Qinzhou-Fangcheng Junction Zone in Guangxi and seismogenic environment of the 1936 Lingshan M6¾ earthquake. *Science China Earth Sciences*, *67*(2), 584–603. https://doi.org/10.1007/s11430-022-1223-5

Zhou, J., Phạm, T.-S., & Tkalčić, H. (2024). Deep-Learning Phase-Onset Picker for Deep Earth Seismology: PKIKP Waves. *Journal of Geophysical Research: Solid Earth*, *129*(9), e2024JB029360. https://doi.org/10.1029/2024JB029360

Zhou, Y., Kong, F., Zhang, H., Liu, Z., Niu, X., Ruan, A., Lu, S., Fan, J., Tan, P., Wei, X., Ding, W., & Li, J. (2024). Microseisms associated with the southwest summer monsoon recorded on the seafloor of South China Sea. *Earth and Planetary Science Letters*, *647*, 119064. https://doi.org/10.1016/j.epsl.2024.119064

Zhou, Z., Thybo, H., Artemieva, I. M., Kusky, T., & Tang, C.-C. (2024). Crustal melting and continent uplift by mafic underplating at convergent boundaries. *Nature Communications*, *15*(1), 9039. https://doi.org/10.1038/s41467-024-53435-7

Zhou, Z., Wiens, D. A., Nyblade, A. A., Aster, R. C., Wilson, T., & Shen, W. (2024). Crustal and Uppermost Mantle Azimuthal Seismic Anisotropy of Antarctica From Ambient Noise Tomography. *Journal of Geophysical Research: Solid Earth*, *129*(1), e2023JB027556. https://doi.org/10.1029/2023JB027556

Zhu B., Wang W., Xie J., Li Z., Yao X., Huang X., Bian Z., & Lin Y. (2024). Research the shallow structure of the Northern China Basin using near earthquake Sp converted waves and teleseismic P wave delay. *Chinese Journal of Geophysics*, *67*(6), 2272–2290. https://doi.org/10.6038/cjg2023R0265

Zhu, J., Fang, L., Miao, F., Fan, L., Zhang, J., & Li, Z. (2024). Deep learning and transfer learning of earthquake and quarry-blast discrimination: applications to southern California and eastern Kentucky. *Geophysical Journal International*, *236*(2), 979–993. https://doi.org/10.1093/gji/ggad463

Zhu, X., Chéry, J., Cattoen, M., Gambino, S., He, J., Peyret, M., Privitera, L., & Seat, H. C. (2024). Determination of borehole tiltmeter orientation using earth tides. *Journal of Geodesy*, *98*(8), 72. https://doi.org/10.1007/s00190-024-01878-7

Zhu, Y., Huang, Z., Ji, C., Yu, D., Mi, N., Wang, L., & Schiffer, C. (2024). Seismotectonic segmentation controlled by magmatic underplating in the central-southern segment of Tanlu fault zone, eastern China. *Earth and Planetary Science Letters*, *644*, 118946. https://doi.org/10.1016/j.epsl.2024.118946

Zhu, Y., Ji, Y., Zhu, W., Qu, R., Faheem, H., & Xie, C. (2024). Juxtaposed slab dehydration, decarbonation and seismotectonic variation beneath the Philippine subduction zone based on 3-D modeling. *Scientific Reports*, *14*(1), 26966. https://doi.org/10.1038/s41598-024-76508-5

Ziolkowski, A. (2024). Bayesian Inversion of MDJ Seismograms for Source Parameters and Yields of DPRK Underground Nuclear Explosions 2 to 6. *Pure and Applied Geophysics*. https://doi.org/10.1007/s00024-024-03454-8

Ziv, A., Eisermann, A. S., Volk, O., & Zbeda, I. (2024). Introducing ViDA3, An Earthquake Early Warning Algorithm for Offshore Hypocenter Determination Using Onshore Seismic Networks. *Bulletin of the Seismological Society of America*, *114*(5), 2446–2456. https://doi.org/10.1785/0120230302

Zou, C., & Clayton, R. W. (2024). Imaging the Northern Los Angeles Basins with Autocorrelations. Seismological Research Letters. https://doi.org/10.1785/0220240140

Zou, P., Cheng, J., Wang, T., & Zhang, H. (2024). Three-Dimensional Teleseismic Elastic Reverse-Time Migration With Deconvolution Imaging Condition and Its Application to Southwest Japan. *Geophysical Research Letters*, *51*(8), e2023GL107446. https://doi.org/10.1029/2023GL107446