

# Slab2, a comprehensive subduction zone geometry model

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Citation Report

#	ARTICLE	IF	CITATIONS
1	SKS Splitting Beneath Mount St. Helens: Constraints on Subslab Mantle Entrainment. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 4202-4217.	1.0	9
2	Weak Near-Field Behavior of a Tsunami Earthquake: Toward Real-Time Identification for Local Warning. <i>Geophysical Research Letters</i> , 2019, 46, 9519-9528.	1.5	14
3	Receiver function mapping of mantle transition zone discontinuities beneath Alaska using scaled 3-D velocity corrections. <i>Geophysical Journal International</i> , 2019, 219, 1432-1446.	1.0	18
4	Source Parameter Variability of Intermediate-Depth Earthquakes in Japanese Subduction Zones. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 8704-8725.	1.4	7
5	Source characteristics of the March 16, 2014 Mw 6.7 earthquake and its implications for the Mw 8.2 Pisagua mainshock. <i>Tectonophysics</i> , 2019, 767, 228170.	0.9	7
6	Push-pull driving of the Central America Forearc in the context of the Cocos-Caribbean-North America triple junction. <i>Scientific Reports</i> , 2019, 9, 11164.	1.6	7
7	Segmentation in continental forearcs: Links between large-scale overriding plate structure and seismogenic behavior associated with the 2010 M 8.8 Maule, Chile earthquake. <i>Tectonophysics</i> , 2019, 767, 228164.	0.9	6
8	1D-velocity structure and seismotectonics of the Ecuadorian margin inferred from the 2016 Mw7.8 Pedernales aftershock sequence. <i>Tectonophysics</i> , 2019, 767, 228165.	0.9	9
9	Along-strike variation in slab geometry at the southern Mariana subduction zone revealed by seismicity through ocean bottom seismic experiments. <i>Geophysical Journal International</i> , 2019, 218, 2122-2135.	1.0	31
10	Tsunami variability from uncalibrated stochastic earthquake models: tests against deep ocean observations 2006-2016. <i>Geophysical Journal International</i> , 2019, 218, 1939-1960.	1.0	26
11	The Effect of Earthquake Kinematics on Tsunami Propagation. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 11639-11650.	1.4	22
12	Seismic Evidence for Plume-Slab Interaction by High-Resolution Imaging of the 410-km Discontinuity Under Tonga. <i>Geophysical Research Letters</i> , 2019, 46, 13687-13694.	1.5	9
13	Macroseismic Study of the Devastating 22-23 October 1749 Earthquake Doublet in the Northern Colima Graben (Trans-Mexican Volcanic Belt, Western Mexico). <i>Seismological Research Letters</i> , 2019, 90, 2304-2317.	0.8	4
14	Seafloor Geodesy in Shallow Water With GPS on an Anchored Spar Buoy. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 12116-12140.	1.4	12
15	Logarithmic Model Joint Inversion Method for Coseismic and Postseismic Slip: Application to the 2017 Mw 7.3 Sarpol Zahab Earthquake, Iran. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 12034-12052.	1.4	32
16	Mantle upwelling beneath the South China Sea and links to surrounding subduction systems. <i>National Science Review</i> , 2019, 6, 877-881.	4.6	26
17	An Optimized Array Configuration of Tsunami Observation Network Off Southern Java, Indonesia. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 9622-9637.	1.4	18
18	Localized Anisotropic Subduction-Zone Structure in Southern Peru: Constraints from Teleseismic Receiver Functions and Forward Modeling. <i>Seismological Research Letters</i> , 0, , .	0.8	2

#	ARTICLE	IF	CITATIONS
19	Geometric controls on flat slab seismicity. <i>Earth and Planetary Science Letters</i> , 2019, 527, 115787.	1.8	14
20	Enhanced performance of ISC focal mechanism computations as a result of automatic first-motion polarity picking optimization. <i>Journal of Seismology</i> , 2019, 23, 1141-1159.	0.6	4
21	Aseismic Deep Slab and Mantle Flow Beneath Alaska: Insight From Anisotropic Tomography. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 1700-1724.	1.4	53
22	P and S wave travel time tomography of the SE Asia-Australia collision zone. <i>Physics of the Earth and Planetary Interiors</i> , 2019, 293, 106267.	0.7	30
23	Resolving Teleseismic Earthquake Catalog and InSAR Data Discrepancies in Absolute Space to Explore Rupture Complexity Along the Ecuadorian Megathrust Fault. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 6703-6719.	1.4	5
24	Global Megathrust Earthquake Hazardâ€™Maximum Magnitude Assessment Using Multi-Variate Machine Learning. <i>Frontiers in Earth Science</i> , 2019, 7, .	0.8	16
25	Global Earthquake Response with Imaging Geodesy: Recent Examples from the USGS NEIC. <i>Remote Sensing</i> , 2019, 11, 1357.	1.8	28
26	A trapdoor mechanism for slab tearing and melt generation in the northern Andes. <i>Geology</i> , 2019, 47, 23-26.	2.0	29
27	The Pucallpa Nest and its constraints on the geometry of the Peruvian Flat Slab. <i>Tectonophysics</i> , 2019, 762, 97-108.	0.9	7
28	The Role of Variable Slab Dip in Driving Mantle Flow at the Eastern Edge of the Alaskan Subduction Margin: Insights From Shearâ€™Wave Splitting. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 2433-2448.	1.0	32
29	The 2016 MwÂ7.8 Pedernales, Ecuador, Earthquake: Rapid Response Deployment. <i>Seismological Research Letters</i> , 2019, 90, 1346-1354.	0.8	17
30	Deep Seismic Structure Across the Southernmost Mariana Trench: Implications for Arc Rifting and Plate Hydration. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 4710-4727.	1.4	24
31	GPS constraints on deformation in northern Central America from 1999 to 2017, Part 2: Block rotations and fault slip rates, fault locking and distributed deformation. <i>Geophysical Journal International</i> , 2019, 218, 729-754.	1.0	18
32	Rapid Geodetic Analysis of Subduction Zone Earthquakes Leveraging a 3â€ Elastic Green's Function Library. <i>Geophysical Research Letters</i> , 2019, 46, 2475-2483.	1.5	8
33	Accurate Depth Determination for Moderateâ€™Magnitude Earthquakes Using Global Teleseismic Data. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 1759-1780.	1.4	14
34	Intraslab Deformation in the 30 November 2018 Anchorage, Alaska, <i>M</i> 7.1 Earthquake. <i>Geophysical Research Letters</i> , 2019, 46, 2449-2457.	1.5	36
35	The January 2019 (MwÂ6.7) Coquimbo Earthquake: Insights from a Seismic Sequence within the Nazca Plate. <i>Seismological Research Letters</i> , 2019, , .	0.8	6
36	Earthquake Depth Phase Extraction With <i>P</i> Wave Autocorrelation Provides Insight Into Mechanisms of Intermediateâ€™Depth Earthquakes. <i>Geophysical Research Letters</i> , 2019, 46, 14440-14449.	1.5	11

#	ARTICLE	IF	CITATIONS
37	Seismic Evidence of Magmatic Rifting in the Offshore Taupo Volcanic Zone, New Zealand. <i>Geophysical Research Letters</i> , 2019, 46, 12949-12957.	1.5	9
38	Probing the Northern Chile Megathrust With Seismicity: The 2014 M8.1 Iquique Earthquake Sequence. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 12935-12954.	1.4	23
39	Triple junction kinematics accounts for the 2016 M <sub>w</sub> 7.8 Kaikoura earthquake rupture complexity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 26367-26375.	3.3	17
40	Automated GNSS and Teleseismic Earthquake Inversion (AutoQuake Inversion) for Tsunami Early Warning: Retrospective and Real-Time Results. <i>Pure and Applied Geophysics</i> , 2020, 177, 1403-1423.	0.8	14
41	Regional crustal and lithospheric thickness model for Alaska, the Chukchi shelf, and the inner and outer Bering shelves. <i>Geophysical Journal International</i> , 2020, 220, 522-540.	1.0	6
42	Sensitivity of Probabilistic Tsunami Hazard Assessment to Far-Field Earthquake Slip Complexity and Rigidity Depth-Dependence: Case Study of Australia. <i>Pure and Applied Geophysics</i> , 2020, 177, 1521-1548.	0.8	27
43	Effect of Shallow Slip Amplification Uncertainty on Probabilistic Tsunami Hazard Analysis in Subduction Zones: Use of Long-Term Balanced Stochastic Slip Models. <i>Pure and Applied Geophysics</i> , 2020, 177, 1497-1520.	0.8	29
44	Intra-plate volcanism in North Queensland and eastern New Guinea: A cryptic mantle plume?. <i>Gondwana Research</i> , 2020, 79, 209-216.	3.0	6
45	Aftershock Analysis of the 2018 Mw7.1 Anchorage, Alaska, Earthquake: Relocations and Regional Moment Tensors. <i>Seismological Research Letters</i> , 2020, 91, 114-125.	0.8	17
46	The New ShakeMap in Italy: Progress and Advances in the Last 10 Yr. <i>Seismological Research Letters</i> , 2020, 91, 317-333.	0.8	54
47	Determination of the isostatic and gravity Moho in the East China Sea and its implications. <i>Journal of Asian Earth Sciences</i> , 2020, 187, 104098.	1.0	13
48	Upper-plate structure in Ecuador coincident with the subduction of the Carnegie Ridge and the southern extent of large mega-thrust earthquakes. <i>Geophysical Journal International</i> , 2020, 220, 1965-1977.	1.0	15
49	USGS Near-Real-Time Products and Their Use for the 2018 Anchorage Earthquake. <i>Seismological Research Letters</i> , 2020, 91, 94-113.	0.8	19
50	Coseismic Rupture Geometry and Slip Rupture Process During the 2018 Mw 7.1 Anchorage, South-Central Alaska Earthquake: Intraplate Normal Faulting by Slab Tear Constrained by Geodetic and Teleseismic Data. <i>Earth and Space Science</i> , 2020, 7, e2019EA000924.	1.1	7
51	Intraplate Volcanism and Regional Geodynamics in NE Asia Revealed by Anisotropic Rayleigh-Wave Tomography. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL085623.	1.5	16
52	A Block Model of Present-Day Kinematics of Alaska and Western Canada. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB018378.	1.4	43
53	Along-Arc Heterogeneity in Local Seismicity across the Lesser Antilles Subduction Zone from a Dense Ocean-Bottom Seismometer Network. <i>Seismological Research Letters</i> , 2020, 91, 237-247.	0.8	26
54	The 2018 Fiji M 8.2 and 7.9 deep earthquakes: One doublet in two slabs. <i>Earth and Planetary Science Letters</i> , 2020, 531, 115997.	1.8	17

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55	Shallow Megathrust Slip During Large Earthquakes That Have High Coda Levels. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB018709.	1.4	5
56	Distribution of Partial Melt Beneath Changbaishan/Paektu Volcano, China/Democratic People's Republic of Korea. <i>Geochemistry, Geophysics, Geosystems</i> , 2020, 21, e2019GC008461.	1.0	22
57	Ground Motion Amplification in Cook Inlet Region, Alaska, from Intermediate-Depth Earthquakes, Including the 2018 Mw 7.1 Anchorage Earthquake. <i>Seismological Research Letters</i> , 2020, 91, 142-152.	0.8	17
58	The 30 November 2018 Mw 7.1 Anchorage Earthquake. <i>Seismological Research Letters</i> , 2020, 91, 66-84.	0.8	29
59	Mechanisms and Implications of Deep Earthquakes. <i>Annual Review of Earth and Planetary Sciences</i> , 2020, 48, 147-174.	4.6	55
60	Impact of a Larger Forearc Region on Earthquake Ground Motions in South-Central Alaska Including the 2018 Mw 7.1 Anchorage Inslab Earthquake. <i>Seismological Research Letters</i> , 2020, 91, 174-182.	0.8	5
61	Seismic Response of Cook Inlet Sedimentary Basin, Southern Alaska. <i>Seismological Research Letters</i> , 2020, 91, 33-55.	0.8	10
62	Detailed Structure of the Subducted Nazca Slab into the Lower Mantle Derived From Continental-Scale Teleseismic Wave Tomography. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB017884.	1.4	31
63	Anomalously low aftershock productivity of the 2019 M 8.0 energetic intermediate-depth faulting beneath Peru. <i>Earth and Planetary Science Letters</i> , 2020, 549, 116528.	1.8	19
64	Aleutian island arc magma production rates and primary controlling factors. <i>Marine Geology</i> , 2020, 430, 106346.	0.9	6
65	Slow Slip and Intertransient Locking on the Nicoya Megathrust in the Late and Early Stages of an Earthquake Cycle. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2020JB020503.	1.4	7
66	Slab dehydration in warm subduction zones at depths of episodic slip and tremor. <i>Earth and Planetary Science Letters</i> , 2020, 552, 116601.	1.8	43
67	Slipping the Shumagin Gap: A Kinematic Coseismic and Early Afterslip Model of the Mw 7.8 Simeonof Island, Alaska, Earthquake. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL090308.	1.5	35
68	Slip distribution of the 2005 Nias earthquake (Mw 8.6) inferred from geodetic and far-field tsunami data. <i>Geophysical Journal International</i> , 2020, 223, 1162-1171.	1.0	7
69	Locating Fully Locked Asperities Along the South America Subduction Megathrust: A New Physical Interseismic Inversion Approach in a Bayesian Framework. <i>Geochemistry, Geophysics, Geosystems</i> , 2020, 21, e2020GC009063.	1.0	16
70	Generation and Validation of Broadband Synthetic P Waves in Semistochastic Models of Large Earthquakes. <i>Bulletin of the Seismological Society of America</i> , 2020, 110, 1982-1995.	1.1	9
71	Impact of topography on earthquake static slip estimates. <i>Tectonophysics</i> , 2020, 791, 228566.	0.9	12
72	Sand deposits reveal great earthquakes and tsunamis at Mexican Pacific Coast. <i>Scientific Reports</i> , 2020, 10, 11452.	1.6	18

#	ARTICLE	IF	CITATIONS
73	Old/New Subduction Zone Paradigms as Seen From the Cascades. <i>Frontiers in Earth Science</i> , 2020, 8, .	0.8	14
74	Mantle Transition Zone Structure Beneath Myanmar and Its Geodynamic Implications. <i>Geochemistry, Geophysics, Geosystems</i> , 2020, 21, e2020GC009262.	1.0	17
75	Stochastic Analysis of Tsunami Hazard of the 1945 Makran Subduction Zone Mw 8.1â€“8.3 Earthquakes. <i>Geosciences (Switzerland)</i> , 2020, 10, 452.	1.0	11
76	A Recent Tear in Subducting Plate Explains Seismicity and Upper Mantle Structure of Southern Costa Rica. <i>Geochemistry, Geophysics, Geosystems</i> , 2020, 21, e2020GC009300.	1.0	4
77	Melt Focusing Along Permeability Barriers at Subduction Zones and the Location of Volcanic Arcs. <i>Geochemistry, Geophysics, Geosystems</i> , 2020, 21, e2020GC009253.	1.0	8
78	Strong seismic anisotropy in the deep upper mantle beneath the Cascadia backarc: Constraints from probabilistic finite-frequency SKS splitting intensity tomography. <i>Earth and Planetary Science Letters</i> , 2020, 539, 116172.	1.8	18
79	Seismotectonic model and probabilistic seismic hazard assessment for Papua New Guinea. <i>Bulletin of Earthquake Engineering</i> , 2020, 18, 6571-6605.	2.3	6
80	Rupture of the 2020 <i>M<sub>w</sub></i> 7.8 Earthquake in the Shumagin Gap Inferred From Seismic and Geodetic Observations. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL090806.	1.5	33
81	3D Seismic Velocity Models for Alaska from Joint Tomographic Inversion of Body-Wave and Surface-Wave Data. <i>Seismological Research Letters</i> , 2020, 91, 3106-3119.	0.8	21
82	Importance of earthquake rupture geometry on tsunami modelling: the Calabrian Arc subduction interface (Italy) case study. <i>Geophysical Journal International</i> , 2020, 223, 1805-1819.	1.0	10
83	Bidirectional Loading of the Subduction Interface: Evidence From the Kinematics of Slow Slip Events. <i>Geochemistry, Geophysics, Geosystems</i> , 2020, 21, e2020GC008918.	1.0	4
84	Subduction dynamics and structural controls on shear wave splitting along the South American convergent margin. <i>Journal of South American Earth Sciences</i> , 2020, 104, 102824.	0.6	5
85	The importance of H <sub>2</sub> O in arc magmas for the formation of porphyry Cu deposits. <i>Ore Geology Reviews</i> , 2020, 126, 103744.	1.1	39
86	Probabilistic seismic risk assessment of India. <i>Earthquake Spectra</i> , 2020, 36, 345-371.	1.6	20
87	A Review of Tsunami Hazards in the Makran Subduction Zone. <i>Geosciences (Switzerland)</i> , 2020, 10, 372.	1.0	13
88	Automatic Inversions of Strongâ€Motion Records for Finiteâ€Fault Models of Significant Earthquakes in and Around Japan. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2020JB019992.	1.4	10
89	Decadal Viscoelastic Postseismic Deformation of the 1964 Mw9.2 Alaska Earthquake. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2020JB019649.	1.4	10
90	Earth Observation for Crustal Tectonics and Earthquake Hazards. <i>Surveys in Geophysics</i> , 2020, 41, 1355-1389.	2.1	11

#	ARTICLE	IF	CITATIONS
91	Aftershocks are fluid-driven and decay rates controlled by permeability dynamics. <i>Nature Communications</i> , 2020, 11, 5787.	5.8	46
92	Relationships of the Seismicity at the Alaska Subduction Zone to Metamorphism and the Deep Fluid Regime. <i>Izvestiya, Physics of the Solid Earth</i> , 2020, 56, 892-899.	0.2	1
93	Lithospheric density structure of the southern Central Andes constrained by 3D data-integrative gravity modelling. <i>International Journal of Earth Sciences</i> , 2021, 110, 2333-2359.	0.9	12
94	Evidence of an east-dipping slab beneath the southern end of the Philippine Trench (1°N–6°N) as revealed by ISC-EHB. <i>Journal of Asian Earth Sciences: X</i> , 2020, 4, 100034.	0.6	3
95	Mantle dynamics of the Andean Subduction Zone from continent-scale teleseismic <i>S</i> -wave tomography. <i>Geophysical Journal International</i> , 2020, 224, 1553-1571.	1.0	10
96	Fading magnetic anomalies, thermal structure and earthquakes in the Japan Trench. <i>Geology</i> , 2020, 48, 278-282.	2.0	9
97	Cusp tectonics: an Ediacaran megakarst landscape and bidirectional mass slides in a Pan-African syntaxis (NW Namibia). <i>Geological Society Special Publication</i> , 2021, 503, 105-142.	0.8	5
98	Relocated aftershocks and background seismicity in eastern Indonesia shed light on the 2018 Lombok and Palu earthquake sequences. <i>Geophysical Journal International</i> , 2020, 221, 1845-1855.	1.0	46
99	Spatiotemporal Seismotectonic Implications for the Izu–Bonin–Mariana Subduction Zone from b-Values. <i>Seismological Research Letters</i> , 2020, 91, 1679-1693.	0.8	0
100	The Kefalonia Transform Fault: A STEP fault in the making. <i>Tectonophysics</i> , 2020, 787, 228471.	0.9	9
101	Subduction Dynamics and Mantle Pressure: 2. Towards a Global Understanding of Slab Dip and Upper Mantle Circulation. <i>Geochemistry, Geophysics, Geosystems</i> , 2020, 21, e2019GC008771.	1.0	10
102	Spatial Variations in Crustal and Mantle Anisotropy Across the North American–Caribbean Boundary on Haiti. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB018438.	1.4	3
103	Volcano morphology as an indicator of stress orientation in the Java Volcanic Arc, Indonesia. <i>Journal of Volcanology and Geothermal Research</i> , 2020, 400, 106912.	0.8	14
104	Slip bursts during coalescence of slow slip events in Cascadia. <i>Nature Communications</i> , 2020, 11, 2159.	5.8	18
105	Deep slab seismicity limited by rate of deformation in the transition zone. <i>Science Advances</i> , 2020, 6, eaaz7692.	4.7	19
106	Hypocenter and Magnitude Analysis of Aftershocks of the 2018 Lombok, Indonesia, Earthquakes Using Local Seismographic Networks. <i>Seismological Research Letters</i> , 2020, 91, 2152-2162.	0.8	21
107	Megathrust shear force controls mountain height at convergent plate margins. <i>Nature</i> , 2020, 582, 225-229.	13.7	39
108	The Fingerprints of Flexure in Slab Seismicity. <i>Tectonics</i> , 2020, 39, e2019TC005894.	1.3	21

#	ARTICLE	IF	CITATIONS
109	Uncovering the physical controls of deep subduction zone slow slip using supervised classification of subducting plate features. <i>Geophysical Journal International</i> , 0, .	1.0	4
110	Structure of the Ecuadorian forearc from the joint inversion of receiver functions and ambient noise surface waves. <i>Geophysical Journal International</i> , 2020, 222, 1671-1685.	1.0	8
111	The seismogenic tectonic of Anchorage Mw7.0 Earthquake in Alaska, November, 30, 2018. <i>Acta Geophysica</i> , 2020, 68, 619-626.	1.0	0
112	Stress evolution during the megathrust earthquake cycle and its role in triggering extensional deformation in subduction zones. <i>Earth and Planetary Science Letters</i> , 2020, 544, 116379.	1.8	4
113	Seismic Tomographic Imaging of the Eastern Mediterranean Mantle: Implications for Terminal-Stage Subduction, the Uplift of Anatolia, and the Development of the North Anatolian Fault. <i>Geochemistry, Geophysics, Geosystems</i> , 2020, 21, e2020GC009009.	1.0	23
114	Fate of Forearc Lithosphere at Arc-Continent Collision Zones: Evidence From Local Earthquake Tomography of the Sunda-Banda Arc Transition, Indonesia. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086472.	1.5	20
115	Crustal Characteristics in the Subduction Zone of Mexico: Implication of the Tectonostratigraphic Terranes on Slab Tearing. <i>Seismological Research Letters</i> , 2020, 91, 1781-1793.	0.8	5
116	Probabilistic seismic hazard analysis model for the Philippines. <i>Earthquake Spectra</i> , 2020, 36, 44-68.	1.6	11
117	Subduction Duration and Slab Dip. <i>Geochemistry, Geophysics, Geosystems</i> , 2020, 21, e2019GC008862.	1.0	42
118	Coupled Evolution of Deformation, Pore Fluid Pressure, and Fluid Flow in Shallow Subduction Forearcs. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB019101.	1.4	16
119	Near-Field Effects of Earthquake Rupture Velocity Into Tsunami Runup Heights. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB018946.	1.4	9
120	Shallow Seismicity and the Classification of Structures in the Lau Back-Arc Basin. <i>Geochemistry, Geophysics, Geosystems</i> , 2020, 21, e2020GC008924.	1.0	16
121	Oligocene to present shallow subduction beneath the southern Puna plateau. <i>Tectonophysics</i> , 2020, 780, 228402.	0.9	12
122	Stress Orientations in the Nankai Trough Constrained Using Seismic and Aseismic Slip. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2020JB019841.	1.4	5
123	Global distribution of sediment-hosted metals controlled by craton edge stability. <i>Nature Geoscience</i> , 2020, 13, 504-510.	5.4	114
124	Geometric controls on megathrust earthquakes. <i>Geophysical Journal International</i> , 2020, 222, 1270-1282.	1.0	6
125	Proposed methodology for estimating the magnitude at which subduction megathrust ground motions and source dimensions exhibit a break in magnitude scaling: Example for 79 global subduction zones. <i>Earthquake Spectra</i> , 2020, 36, 1271-1297.	1.6	10
126	Geodetic Evidence of Time-Dependent Viscoelastic Interseismic Deformation Driven by Megathrust Locking in the Southwest Japan Subduction Zone. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL085551.	1.5	12



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127	Heterogeneous modification and reactivation of a craton margin beneath the Korean Peninsula from teleseismic travel time tomography. <i>Gondwana Research</i> , 2020, 81, 475-489.	3.0	15
128	Metastable Olivine Wedge Beneath the Japan Sea Imaged by Seismic Interferometry. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL085665.	1.5	17
129	Plate geometry model and seismicity in the northern Ryukyu subduction zone, Japan, deduced from amphibious seismic observations. <i>Earth and Planetary Science Letters</i> , 2020, 536, 116143.	1.8	3
130	Structural Control on Megathrust Rupture and Slip Behavior: Insights From the 2016 Mw 7.8 Pedernales Ecuador Earthquake. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB018001.	1.4	14
131	Structural Heterogeneity in Source Zones of the 2018 Anchorage Intraslab Earthquake and the 1964 Alaska Megathrust Earthquake. <i>Geochemistry, Geophysics, Geosystems</i> , 2020, 21, e2019GC008812.	1.0	13
132	Along-strike segmentation in the northern Caribbean plate boundary zone (Hispaniola sector): Tectonic implications. <i>Tectonophysics</i> , 2020, 776, 228322.	0.9	14
133	Upper Plate Stress Controls the Distribution of Mariana Arc Volcanoes. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB017391.	1.4	9
134	A Method for Estimating the Crustal Azimuthal Anisotropy and Moho Orientation Simultaneously Using Receiver Functions. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB018405.	1.4	4
135	Rupture Process of the 26 May 2019 <i>M<sub>w</sub></i> 8.0 Northern Peru Intermediate-Depth Earthquake and Insights Into Its Mechanism. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087167.	1.5	5
136	Months-long thousand-kilometre-scale wobbling before great subduction earthquakes. <i>Nature</i> , 2020, 580, 628-635.	13.7	49
137	Deformation and Fault Propagation at the Lateral Termination of a Subduction Zone: The Alfeo Fault System in the Calabrian Arc, Southern Italy. <i>Frontiers in Earth Science</i> , 2020, 8, .	0.8	22
138	Seismic velocity structure beneath the Western Solomon Islands from the joint inversion of receiver functions and surface-wave dispersion curves. <i>Journal of Asian Earth Sciences</i> , 2020, 195, 104378.	1.0	3
139	The submarine tectono-magmatic framework of Cu-Au endowment in the Tabar-to-Feni island chain, PNG. <i>Ore Geology Reviews</i> , 2020, 121, 103491.	1.1	8
140	The Role of Seismic and Slow Slip Events in Triggering the 2018 M 7.1 Anchorage Earthquake in the Southcentral Alaska Subduction Zone. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086640.	1.5	8
141	Modelling subduction sources for probabilistic seismic hazard analysis. <i>Geological Society Special Publication</i> , 2021, 501, 225-244.	0.8	11
142	Raising the Resurrection plate from an unfolded-slab plate tectonic reconstruction of northwestern North America since early Cenozoic time. <i>Bulletin of the Geological Society of America</i> , 2021, 133, 1128-1140.	1.6	17
143	Northern Chile intermediate-depth earthquakes controlled by plate hydration. <i>Geophysical Journal International</i> , 2021, 226, 78-90.	1.0	16
144	Late Pleistocene to Recent Deformation in the Thick-Skinned Fold-and-Thrust Belt of Northwestern Argentina (Central Calchaquá-Valley, 26°S). <i>Tectonics</i> , 2021, 40, e2020TC006394.	1.3	2

#	ARTICLE	IF	CITATIONS
145	Systematic characterization of morphotectonic variability along the Cascadia convergent margin: Implications for shallow megathrust behavior and tsunami hazards. , 2021, 17, 95-117.		20
146	Western Mexico seismic source model for the seismic hazard assessment of the Jalisco-Colima-Michoacán region. <i>Natural Hazards</i> , 2021, 105, 2819-2867.	1.6	7
147	Tectonics of the Papua New Guinea Woodlark Region. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2020GC009209.	1.0	10
148	A Systematic Approach to Mapping Regimes of Earthquake-Induced Static Stress Changes Acting on Magmatic Pathways. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, .	1.4	1
149	The development of seismic anisotropy below south-central Alaska: evidence from local earthquake shear wave splitting. <i>Geophysical Journal International</i> , 2021, 225, 548-554.	1.0	6
150	Energetic Rupture and Tsunamiogenesis during the 2020 Mw7.4 La Crucecita, Mexico Earthquake. <i>Seismological Research Letters</i> , 2021, 92, 140-150.	0.8	8
151	Seismic anisotropy in southern Costa Rica confirms upper mantle flow from the Pacific to the Caribbean. <i>Geology</i> , 2021, 49, 8-12.	2.0	3
152	Tectonic tremors in the Northern Mexican subduction zone remotely triggered by the 2017 Mw8.2 Tehuantepec earthquake. <i>Earth, Planets and Space</i> , 2021, 73, .	0.9	1
153	Miocene to Recent collapse calderas of the southern and central volcanic zones of the Andes and their tectonic constraints. <i>International Journal of Earth Sciences</i> , 2021, 110, 2399-2434.	0.9	5
154	Faster Than Real Time Tsunami Warning with Associated Hazard Uncertainties. <i>Frontiers in Earth Science</i> , 2021, 8, .	0.8	18
155	The spatial distribution characteristics of Nb-Ta of mafic rocks in subduction zones. <i>Open Geosciences</i> , 2021, 13, 390-400.	0.6	2
156	Seismicity in the upper plate of the Northern Chilean offshore forearc: Evidence of splay fault south of the Mejillones Peninsula. <i>Tectonophysics</i> , 2021, 800, 228706.	0.9	8
157	Force-Balance Analysis of Stress Changes During the Subduction-Collision Transition and Implications for the Rise of Mountain Belts. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB020914.	1.4	2
158	Dynamic Sea Level Variation From GNSS: 2020 Shumagin Earthquake Tsunami Resonance and Hurricane Laura. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091378.	1.5	25
159	Connecting subduction, extension and shear localization across the Aegean Sea and Anatolia. <i>Geophysical Journal International</i> , 2021, 226, 422-445.	1.0	14
160	Inferring Interseismic Coupling Along the Lesser Antilles Arc: A Bayesian Approach. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB020677.	1.4	13
161	New Constraints on Slip Deficit on the Aleutian Megathrust and Inflation at Mt. Veniaminof, Alaska From Repeat GPS Measurements. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091787.	1.5	25
162	Synthetic analysis of the efficacy of the S-net system in tsunami forecasting. <i>Earth, Planets and Space</i> , 2021, 73, .	0.9	10

#	ARTICLE	IF	CITATIONS
163	Subcretionary tectonics: Linking variability in the expression of subduction along the Cascadia forearc. <i>Earth and Planetary Science Letters</i> , 2021, 556, 116724.	1.8	24
164	The characteristics of body-wave records between forearc and backarc region at the Sumatra subduction zone from deep regional earthquakes. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 674, 012035.	0.2	2
165	Megathrust Slip Behavior for Great Earthquakes Along the Sumatra-Andaman Subduction Zone Mapped From Satellite GOCE Gravity Field Derivatives. <i>Frontiers in Earth Science</i> , 2021, 8, .	0.8	5
166	Slab Models Beneath Central Myanmar Revealed by a Joint Inversion of Regional and Teleseismic Traveltime Data. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB020164.	1.4	19
167	Probabilistic Tsunami Hazard Assessment (PTHA) for Southeast Coast of Chinese Mainland and Taiwan Island. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB020344.	1.4	12
168	Constraints on the Geometry of the Subducted Gorda Plate From Converted Phases Generated by Local Earthquakes. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB019962.	1.4	6
169	P-wave Tomography and Azimuthal Anisotropy of the Manila-Taiwan-Southern Ryukyu Region. <i>Tectonics</i> , 2021, 40, e2020TC006262.	1.3	15
170	Source Characteristics of the 2020 Mw7.4 Oaxaca, Mexico, Earthquake Estimated from GPS, InSAR, and Teleseismic Waveforms. <i>Seismological Research Letters</i> , 2021, 92, 1900-1912.	0.8	13
171	Slab Dehydration in Sumatra: Implications for Fast and Slow Earthquakes and Arc Magmatism. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL090576.	1.5	10
172	New Uppermost Mantle Pn Velocity and Anisotropy Model of the Eastern Caribbean. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB021523.	1.4	4
173	Crustal Deformation and Fault Strength of the Sulawesi Subduction Zone. <i>Tectonics</i> , 2021, 40, e2020TC006573.	1.3	7
174	Seismic Evidence of Bottom-Up Crustal Control on Volcanism and Magma Storage Near Mount St. Helens. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL090612.	1.5	2
175	The Making of the NEAM Tsunami Hazard Model 2018 (NEAMTHM18). <i>Frontiers in Earth Science</i> , 2021, 8, .	0.8	50
176	Triggering an unexpected earthquake in an uncoupled subduction zone. <i>Science Advances</i> , 2021, 7, .	4.7	24
177	S-velocity Mantle Structure of East Asia From Teleseismic Traveltime Tomography: Inferred Mechanisms for the Cenozoic Intraplate Volcanoes. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB020345.	1.4	7
178	Coulomb stress change in the neighboring region and faults imparted by Anchorage Mw7.0 earthquake in Alaska. <i>International Journal of Earth Sciences</i> , 2021, 110, 1169-1180.	0.9	0
179	Comprehensive Probabilistic Tsunami Hazard Assessment in the Makran Subduction Zone. <i>Pure and Applied Geophysics</i> , 2021, 178, 5085-5107.	0.8	4
180	Seafloor Geodetic Pressure Measurements to Detect Shallow Slow Slip Events: Methods to Remove Contributions From Ocean Water. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB020065.	1.4	11

#	ARTICLE	IF	CITATIONS
181	Geological evolution of the Guallatiri volcano, Arica y Parinacota Region, northern Chile. <i>Journal of South American Earth Sciences</i> , 2021, 107, 103117.	0.6	3
182	The Productivity of Cascadia Aftershock Sequences. <i>Bulletin of the Seismological Society of America</i> , 0, , .	1.1	1
183	Methodological Reconstruction of Historical Seismic Events From Anecdotal Accounts of Destructive Tsunamis: A Case Study for the Great 1852 Banda Arc Mega- Thrust Earthquake and Tsunami. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB021107.	1.4	2
184	Tonga Slab Morphology and Stress Variations Controlled by a Relic Slab: Implications for Deep Earthquakes in the Tonga- Fiji Region. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091331.	1.5	9
185	Shear-wave velocity structure beneath Alaska from a Bayesian joint inversion of Sp receiver functions and Rayleigh wave phase velocities. <i>Earth and Planetary Science Letters</i> , 2021, 560, 116785.	1.8	14
186	AutoCoulomb: An Automated Configurable Program to Calculate Coulomb Stress Changes on Receiver Faults with Any Orientation and its Application to the 2020 Mw 7.8 Simeonof Island, Alaska, Earthquake. <i>Seismological Research Letters</i> , 2021, 92, 2591-2609.	0.8	8
187	The Productivity of Cascadia Aftershock Sequences. <i>Bulletin of the Seismological Society of America</i> , 0, , .	1.1	7
188	The Crustal Stress Field Inferred From Focal Mechanisms in Northern Chile. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL092889.	1.5	7
189	Seismic source characteristics of the intermediate-depth and intraslab 2019 northern Peru earthquake (Mw 8.0). <i>Journal of Seismology</i> , 2021, 25, 863-874.	0.6	3
190	Earthquake Swarm Detection Along the Hikurangi Trench, New Zealand: Insights Into the Relationship Between Seismicity and Slow Slip Events. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB020618.	1.4	10
191	Thermo- Mechanical Numerical Modeling of the South American Subduction Zone: A Multi- Parametric Investigation. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB021527.	1.4	15
192	Probabilistic Tsunami Hazard and Risk Analysis: A Review of Research Gaps. <i>Frontiers in Earth Science</i> , 2021, 9, .	0.8	65
193	Slab Transport of Fluids to Deep Focus Earthquake Depths- Thermal Modeling Constraints and Evidence From Diamonds. <i>AGU Advances</i> , 2021, 2, e2020AV000304.	2.3	35
194	Amphibious Shear Wave Structure Beneath the Alaska- Aleutian Subduction Zone From Ambient Noise Tomography. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2020GC009438.	1.0	10
195	Complicated Lithospheric Structure Beneath the Contiguous US Revealed by Teleseismic S- Reflections. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB021624.	1.4	15
196	The Geodynamic Evolution of Iran. <i>Annual Review of Earth and Planetary Sciences</i> , 2021, 49, 9-36.	4.6	43
197	New insights into the structural heterogeneity and geodynamics of the Indo-Burma subduction zone from ambient noise tomography. <i>Earth and Planetary Science Letters</i> , 2021, 562, 116856.	1.8	14
198	Volcano Clustering Promoted by the Cessation of Back- Arc Spreading and Ensuing Nascent Lithospheric Drips. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091433.	1.5	4

#	ARTICLE	IF	CITATIONS
199	Detrital zircon record of Phanerozoic magmatism in the southern Central Andes. , 2021, 17, 876-897.		17
200	Deciphering variable mantle sources and hydrous inputs to arc magmas in Kamchatka. Earth and Planetary Science Letters, 2021, 562, 116848.	1.8	13
201	Long-lived shallow slow-slip events on the Sunda megathrust. Nature Geoscience, 2021, 14, 327-333.	5.4	20
202	Constraints on the Slip Distribution of the 1938 M <sub>W</sub> 8.3 Alaska Peninsula Earthquake From Tsunami Modeling. Geophysical Research Letters, 2021, 48, e2021GL092812.	1.5	17
203	3-D thermal regime and dehydration processes around the regions of slow earthquakes along the Ryukyu Trench. Scientific Reports, 2021, 11, 11251.	1.6	8
204	Interplays Between Mantle Flow and Slab Pull at Subduction Zones in 3D. Journal of Geophysical Research: Solid Earth, 2021, 126, e2020JB021574.	1.4	7
205	Effect of Buoyant Sediment Overlying Subducting Plates on Trench Geometry: 3D Viscoelastic Free Subduction Modeling. Geophysical Research Letters, 2021, 48, e2021GL093498.	1.5	6
206	Anisotropy Variations in the Alaska Subduction Zone Based on Shear-Wave Splitting From Intraslab Earthquakes. Geochemistry, Geophysics, Geosystems, 2021, 22, e2020GC009558.	1.0	7
207	Seismic hazard of the western Makran subduction zone: Insight from mechanical modelling and inferred frictional properties. Earth and Planetary Science Letters, 2021, 562, 116789.	1.8	20
208	Slip rate deficit and earthquake potential on shallow megathrusts. Nature Geoscience, 2021, 14, 321-326.	5.4	46
209	The hazard of coseismic gaps: the 2021 Fukushima earthquake. Geophysical Journal International, 2021, 227, 54-57.	1.0	7
210	Relationship Between Subduction Erosion and the Updip Limit of the 2014 Mw 8.1 Iquique Earthquake. Geophysical Research Letters, 2021, 48, e2020GL092207.	1.5	10
211	Eruptive history and <sup>40</sup> Ar/ <sup>39</sup> Ar geochronology of the Milos volcanic field, Greece. Geochronology, 2021, 3, 273-297.	1.0	9
212	Probabilistic Near-Field Tsunami Source and Tsunami Runup Distribution Inferred From Tsunami Runup Records in Northern Chile. Journal of Geophysical Research: Oceans, 2021, 126, e2021JC017289.	1.0	2
213	Frequency-size distributions of Wadati-Benioff zone and near-boundary intraplate earthquakes: Implications for intermediate and deep seismicity. Physics of the Earth and Planetary Interiors, 2021, , 106707.	0.7	1
214	Full Waveform Inversion Beneath the Central Andes: Insight Into the Dehydration of the Nazca Slab and Delamination of the Back-Arc Lithosphere. Journal of Geophysical Research: Solid Earth, 2021, 126, e2021JB021984.	1.4	21
215	Anisotropy-revealed change in hydration along the Alaska subduction zone. Geology, 2021, 49, 1122-1125.	2.0	7
216	Heterogeneous outer-rise seismicity within the Izu-Bonin subduction zone and its tectonic implications. Geological Journal, 2021, 56, 4699-4718.	0.6	3

#	ARTICLE	IF	CITATIONS
217	Numerical Simulation of Tsunami Coastal Amplitudes in the Pacific Coast of Mexico Based on Non-Uniform Slip Distributions. <i>Pure and Applied Geophysics</i> , 2021, 178, 3291.	0.8	2
218	Effects of upper mantle structure beneath Alaska on core-sensitive seismic wave absolute and differential measurements: Implications for estimates of inner core anisotropy. <i>Physics of the Earth and Planetary Interiors</i> , 2021, 315, 106713.	0.7	3
219	Paleoseismic Evidence of an $M_w > 7$ Pre-Hispanic Earthquake in the Peruvian Forearc. <i>Tectonics</i> , 2021, 40, e2020TC006479.	1.3	5
220	Along-strike variations in intermediate-depth seismicity and arc magmatism along the Alaska Peninsula. <i>Earth and Planetary Science Letters</i> , 2021, 563, 116878.	1.8	17
221	Frictional Segmentation of the Chilean Megathrust From a Multivariate Analysis of Geophysical, Geological, and Geodetic Data. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB020647.	1.4	9
222	Probabilistic quantification of tsunami current hazard using statistical emulation. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2021, 477, 20210180.	1.0	7
223	Contribution of background seismicity to forearc uplift. <i>Nature Geoscience</i> , 2021, 14, 620-625.	5.4	7
224	Spatially and Geochemically Anomalous Arc Magmatism: Insights From the Andean Arc. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2021GC009688.	1.0	3
225	Regional Probabilistic Tsunami Hazard Analysis for the Mexican Subduction Zone From Stochastic Slip Models. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB020781.	1.4	2
226	Crustal and Upper-Mantle Structure Below Central and Southern Mexico. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB020906.	1.4	1
227	Marine terraces of the last interglacial period along the Pacific coast of South America (14°N–40°S). <i>Earth System Science Data</i> , 2021, 13, 2487-2513.	3.7	10
228	Widespread Hydration of the Back Arc and the Link to Variable Hydration of the Incoming Plate in the Lesser Antilles From Rayleigh Wave Imaging. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2021GC009707.	1.0	5
229	Bayesian Parameter Estimation for Space and Time Interacting Earthquake Rupture Model Using Historical and Physics-Based Simulated Earthquake Catalogs. <i>Bulletin of the Seismological Society of America</i> , 2021, 111, 3356-3373.	1.1	2
230	A Biogeochemical Imprint of the Panama Basin in the North Andean Arc. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2021GC009835.	1.0	2
231	Plate tectonics and Earth's magnetism: a personal viewpoint. <i>Rivista Del Nuovo Cimento</i> , 2021, 44, 641.	2.0	0
232	Geophysical and geochemical constraints on the origin of Holocene intraplate volcanism in East Asia. <i>Earth-Science Reviews</i> , 2021, 218, 103624.	4.0	13
233	Dual structure of poloidal and toroidal flow under the Cocos subduction zone. <i>Earth and Planetary Science Letters</i> , 2021, 565, 116911.	1.8	2
234	Tsunami Modeling in the South American Subduction Zone Inferred from Seismic Coupling and Historical Seismicity. <i>Pure and Applied Geophysics</i> , 0, 1.	0.8	4

#	ARTICLE	IF	CITATIONS
235	Geodetic Coupling Models as Constraints on Stochastic Earthquake Ruptures: An Example Application to PTHA in Cascadia. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB021149.	1.4	11
236	Assessing Margin-Wide Rupture Behaviors Along the Cascadia Megathrust With 3D Dynamic Rupture Simulations. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB022005.	1.4	16
237	Deep Structure of the Continental Plate in the South-Central Chilean Margin: Metamorphic Wedge and Implications for Megathrust Earthquakes. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB021879.	1.4	6
238	Nested regional-global seismic tomography and precise earthquake relocation along the Hikurangi subduction zone, New Zealand. <i>Geophysical Journal International</i> , 2021, 227, 1567-1590.	1.0	1
239	Seismic Discontinuities Across the North American Caribbean Plate Boundary From S&P Receiver Functions. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2021GC009723.	1.0	5
240	Diffuse spreading, a newly recognized mode of crustal accretion in the southern Mariana Trough backarc basin. , 0, , .		4
241	Dynamic interactions between subduction zones. <i>Global and Planetary Change</i> , 2021, 202, 103501.	1.6	14
242	Possible triggering relationship of six Mw > 6 earthquakes in 2018-2019 at Philippine archipelago. <i>Acta Oceanologica Sinica</i> , 2021, 40, 142-158.	0.4	1
243	The Earth's Surface Controls the Depth-Dependent Seismic Radiation of Megathrust Earthquakes. <i>AGU Advances</i> , 2021, 2, e2021AV000413.	2.3	10
244	Geodetic Constraints on Recent Subduction Earthquakes and Future Seismic Hazards in the Southwestern Coast of Mexico. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL094192.	1.5	2
245	Radial Anisotropy in East Asia From Multimode Surface Wave Tomography. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB021201.	1.4	7
246	Variation in Upper Plate Crustal and Lithospheric Mantle Structure in the Greater and Lesser Antilles From Ambient Noise Tomography. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2021GC009800.	1.0	7
247	Lower Mantle Seismicity Following the 2015 Mw 7.9 Bonin Islands Deep-Focus Earthquake. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093111.	1.5	3
248	Drilling into the Mantle: A Key to Prognosticating the Future of the Ocean Planet. <i>Journal of Geography (Chigaku Zasshi)</i> , 2021, 130, 585-597.	0.1	2
249	Variations in Forearc Stress and Changes in Principle Stress Orientations Caused by the 2004-2005 Megathrust Earthquakes in Sumatra, Indonesia. <i>Frontiers in Earth Science</i> , 2021, 9, .	0.8	6
250	Upper Mantle Hydration Indicated by Decreased Shear Velocity Near the Southern Mariana Trench From Rayleigh Wave Tomography. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093309.	1.5	17
251	Strain Partitioning and Interseismic Fault Behavior Along the Caribbean-South American Transform Plate Boundary. <i>Tectonics</i> , 2021, 40, e2021TC006740.	1.3	1
252	Basin and Site Effects in the U.S. Pacific Northwest Estimated from Small-Magnitude Earthquakes. <i>Bulletin of the Seismological Society of America</i> , 2022, 112, 438-456.	1.1	4

#	ARTICLE	IF	CITATIONS
253	The Origin of Late Cenozoic Magmatism in the South China Sea and Southeast Asia. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2021GC009686.	1.0	7
254	Variations in Wedge Earthquake Distribution along the Strike Underlain by Thermally Controlled Hydrated Megathrusts. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 7268.	1.3	7
255	Back-propagating rupture evolution within a curved slab during the 2019 Mw 8.0 Peru intraslab earthquake. <i>Geophysical Journal International</i> , 2021, 227, 1602-1611.	1.0	11
256	The Global Range of Temperatures on Convergent Plate Interfaces. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2021GC009849.	1.0	5
257	Amphibole control on copper systematics in arcs: Insights from the analysis of global datasets. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 307, 192-211.	1.6	28
258	Strong Ground Motion Prediction Model for PGV and Spectral Velocity for the Chilean Subduction Zone. <i>Bulletin of the Seismological Society of America</i> , 2022, 112, 348-360.	1.1	13
259	The Historical Seismicity of the Puebla-Tlaxcala Region (Trans-Mexican Volcanic Belt) during Early Novohispanic Times (A.D. 1542–1740) and the Structure of the Tlaxcala-Huamantla Half-Graben. <i>Seismological Research Letters</i> , 2022, 93, 296-314.	0.8	1
260	Australian Plate Subduction is Responsible for Northward Motion of the India-Asia Collision Zone and ~1,000 km Lateral Migration of the Indian Slab. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL094904.	1.5	23
261	Focal mechanism inversion of the 2018 MW7.1 Anchorage earthquake based on high-rate GPS observation. <i>Geodesy and Geodynamics</i> , 2021, , .	1.0	0
262	Shallow Slow Earthquake Episodes Near the Trench Axis off Costa Rica. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB021706.	1.4	9
263	Using converted waves to image the lithosphere and asthenosphere beneath Alaska. , 2021, , .		0
264	Seismic Anisotropy and Mantle Flow Constrained by Shear Wave Splitting in Central Myanmar. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB022144.	1.4	9
265	The Seismicity of Indonesia and Tectonic Implications. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2021GC009812.	1.0	26
266	Interplay of seismic and a-seismic deformation during the 2020 sequence of Atacama, Chile. <i>Earth and Planetary Science Letters</i> , 2021, 570, 117081.	1.8	10
267	Seismogenic and tremorgenic slow slip near the stability transition of frictional sliding. <i>Earth and Planetary Science Letters</i> , 2021, 569, 117037.	1.8	13
268	Was the January 26th, 1700 Cascadia Earthquake Part of a Rupture Sequence?. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB021822.	1.4	12
269	Effect of Fixing Earthquake Depth in ShakeAlert Algorithms on Performance for Intraslab Earthquakes. <i>Seismological Research Letters</i> , 2022, 93, 277-287.	0.8	4
270	Cataloging Tectonic Tremor Energy Radiation in the Cascadia Subduction Zone. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB022523.	1.4	9



#	ARTICLE	IF	CITATIONS
271	Tsunami Source of the 2021 $M_w$ 8.1 Raoul Island Earthquake From DART and Tide-Gauge Data Inversion. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL094449.	1.5	14
272	Probabilistic tsunami forecasting for early warning. <i>Nature Communications</i> , 2021, 12, 5677.	5.8	37
273	Seismic and Aseismic Cycle of the Ecuador-Colombia Subduction Zone. <i>Frontiers in Earth Science</i> , 2021, 9, .	0.8	2
274	Early Warning for Great Earthquakes From Characterization of Crustal Deformation Patterns With Deep Learning. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB022703.	1.4	20
275	Evidence of Volatile-Induced Melting in the Northeast Asian Upper Mantle. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB022167.	1.4	3
276	Crustal structure of the northern Andean Precordillera, Argentina, based on seismological and gravity data. <i>Journal of South American Earth Sciences</i> , 2021, 111, 103478.	0.6	3
277	A preliminary seismic travel time tomography beneath Ecuador from data of the national network. <i>Journal of South American Earth Sciences</i> , 2021, 111, 103486.	0.6	5
278	The preserved plume of the Caribbean Large Igneous Plateau revealed by 3D data-integrative models. <i>Solid Earth</i> , 2021, 12, 275-298.	1.2	5
279	Potential of deep predictive coding networks for spatiotemporal tsunami wavefield prediction. <i>Geoscience Letters</i> , 2020, 7, .	1.3	3
280	Frictional and structural controls of seismic super-cycles at the Japan trench. <i>Earth, Planets and Space</i> , 2020, 72, .	0.9	37
281	Stress state along the western Nankai Trough subduction zone inferred from b-values, long-term slow-slip events, and low-frequency earthquakes. <i>Earth, Planets and Space</i> , 2020, 72, .	0.9	5
282	Structural control and system-level behavior of the seismic cycle at the Nankai Trough. <i>Earth, Planets and Space</i> , 2020, 72, .	0.9	33
284	Impact of the Juan Fernandez Ridge on the Pampean Flat Subduction Inferred From Full Waveform Inversion. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL095509.	1.5	7
285	Increased megathrust shear force drives topographic uplift in the Colombian coastal forearc. <i>Tectonophysics</i> , 2021, 820, 229132.	0.9	1
286	Potential of megathrust earthquakes along the southern Ryukyu Trench inferred from GNSS data. <i>Earth, Planets and Space</i> , 2021, 73, .	0.9	1
287	Co-seismic and post-seismic deformation for the 1995 Colima and 2003 Tecoman thrust earthquakes, Mexico subduction zone, from modelling of GPS data. <i>Geophysical Journal International</i> , 2021, 228, 2137-2173.	1.0	4
288	Anisotropic Pn Tomography of Alaska and Adjacent Regions. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB022220.	1.4	5
289	Molybdenum isotopes unmask slab dehydration and melting beneath the Mariana arc. <i>Nature Communications</i> , 2021, 12, 6015.	5.8	23

#	ARTICLE	IF	CITATIONS
290	Automatic picking and probabilistic location for earthquake assessment in the Lesser Antilles subduction zone (1972–2012). <i>Comptes Rendus - Geoscience</i> , 2021, 353, 187-209.	0.4	1
291	Source study of the 1996 M <sub>w</sub> 8.2 Biak (Papua, Indonesia) earthquake: relations to regional tectonics and directivity effect. <i>Arabian Journal of Geosciences</i> , 2021, 14, 1.	0.6	0
292	A Global Set of Subduction Zone Earthquake Scenarios and Recurrence Intervals Inferred From Geodetically Constrained Block Models of Interseismic Coupling Distributions. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, .	1.0	7
293	Fourteen-Year Acceleration Along the Japan Trench. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB021226.	1.4	6
294	Mapping the Pacific Slab Edge and Toroidal Mantle Flow Beneath Kamchatka. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB022518.	1.4	6
295	The deep Shumagin gap filled: Kinematic rupture model and slip budget analysis of the 2020 Mw 7.8 Simeonof earthquake constrained by GNSS, global seismic waveforms, and floating InSAR. <i>Earth and Planetary Science Letters</i> , 2021, 576, 117241.	1.8	23
296	Effect of the cold Nazca Slab on the depth of the 660 km discontinuity in South America. <i>Journal of South American Earth Sciences</i> , 2021, 112, 103607.	0.6	3
297	Impact of ionosphere on InSAR observation and coseismic slip inversion: Improved slip model for the 2010 Maule, Chile, earthquake. <i>Remote Sensing of Environment</i> , 2021, 267, 112733.	4.6	5
298	Three-dimensional shape and structure of the Susitna basin, south-central Alaska, from geophysical data. , 2020, 16, 969-990.		0
299	Bulk Structure of the Crust and Upper Mantle beneath Alaska from an Approximate Rayleigh-Wave Dispersion Formula. <i>Seismological Research Letters</i> , 2020, 91, 3064-3075.	0.8	7
300	Preliminary Results: Probabilistic Non-Linear Method to Determine the Hypocenter Location in the Molucca Sea Collision Zone from BMKG Networks. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 873, 012026.	0.2	0
301	Unexpected Shallow Earthquake of August 1st, 2020 in the North of Indramayu, West Java, Indonesia. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 873, 012043.	0.2	0
302	Microseismicity Appears to Outline Highly Coupled Regions on the Central Chile Megathrust. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB022252.	1.4	13
303	Upper Mantle Structure Beneath Mariana: Insights From Rayleigh-Wave Anisotropic Tomography. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2021GC009902.	1.0	8
304	Zinc Isotopes of the Mariana and Ryukyu Arc-Related Lavas Reveal Recycling of Forearc Serpentinites Into the Subarc Mantle. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB022261.	1.4	6
305	Mineral systems: Their advantages in terms of developing holistic genetic models and for target generation in global mineral exploration. <i>Geosystems and Geoenvironment</i> , 2022, 1, 100001.	1.7	32
306	Analysis of the destructive earthquakes end of 2017 (Mw 6.9) and early 2018 (Mw 6.1) south of West Java, Indonesia. <i>E3S Web of Conferences</i> , 2020, 211, 02003.	0.2	1
307	Constraints on Olivine Deformation From SKS Shear-Wave Splitting Beneath the Southern Cascadia Subduction Zone Back-Arc. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2021GC010091.	1.0	7

#	ARTICLE	IF	CITATIONS
308	The role of interplate locking on the seismic reactivation of upper plate faults on the subduction margin of northern Chile. <i>Scientific Reports</i> , 2021, 11, 21444.	1.6	7
309	The Role of Temperature in the Along-Margin Distribution of Volcanism and Seismicity in Subduction Zones: Insights From 3D Thermomechanical Modeling of the Central Andean Margin. <i>Tectonics</i> , 2021, 40, .	1.3	5
311	Simultaneous rupture on conjugate faults during the 2018 Anchorage, Alaska, intraslab earthquake (MW 7.1) inverted from strong-motion waveforms. <i>Earth, Planets and Space</i> , 2020, 72, .	0.9	2
312	Thermal regime and slab dehydration beneath the Izu-Bonin arc: Implications for fast and slow subduction earthquakes. <i>Terra Nova</i> , 2022, 34, 103-112.	0.9	4
313	Tsunami Hazard Assessment Along Chinese Coast Using Scaling Relations Developed for Tsunami Prediction. <i>International Journal of Ocean and Coastal Engineering</i> , 0, , .	0.3	0
314	Small-scale Intraslab Heterogeneity Weakens Into the Mantle Transition Zone. <i>Geophysical Research Letters</i> , 2021, 48, .	1.5	2
315	Subduction zone fluids and arc magmas conducted by lithospheric deformed regions beneath the central Andes. <i>Scientific Reports</i> , 2021, 11, 23078.	1.6	16
316	Perubahan Kecepatan Subduksi Lempeng Indo-Australia terhadap Lempeng Sundaland akibat Gempa Bumi Samudera Hindia tahun 2016. <i>Jurnal Geosains Dan Teknologi</i> , 2021, 4, 159-167.	0.2	0
317	Dynamic slab segmentation due to brittle-ductile damage in the outer rise. <i>Nature</i> , 2021, 599, 245-250.	13.7	41
318	Contact of the Samoan Plume with the Tonga Subduction from Intermediate and Deep-Focus Earthquakes. <i>Surveys in Geophysics</i> , 2021, 42, 1347-1375.	2.1	0
319	Numerical modeling of North Sulawesi subduction zone: Implications for the east-west differential evolution. <i>Tectonophysics</i> , 2021, 822, 229172.	0.9	3
321	Recent faulting along Gorontalo fault based on seismicity data analysis and lineament mapping. <i>E3S Web of Conferences</i> , 2021, 325, 01013.	0.2	0
322	Upper crustal shear-wave velocity structure Beneath Western Java, Indonesia from seismic ambient noise tomography. <i>Geoscience Letters</i> , 2022, 9, .	1.3	8
323	The influence of ridge subduction on the geochemistry of Vanuatu arc magmas. <i>Journal of Geophysical Research: Solid Earth</i> , 0, , .	1.4	4
324	Updating the laws of convergence rate of plates by Otsuki (1989). <i>Journal of the Geological Society of Japan</i> , 2021, 127, 527-544.	0.2	0
325	Stress Interactions between an Interplate Thrust Earthquake and an Intraplate Strike-Slip Event: A Case Study of 2018 Mw7.9 Gulf of Alaska Earthquake. <i>Bulletin of the Seismological Society of America</i> , 0, , .	1.1	0
326	The Earthquake of February 13, 2020, M <sub>w</sub> 7.0 and Seismotectonic Conditions at Intermediate Depths of the Southern Kuril Islands. <i>Pure and Applied Geophysics</i> , 0, , 1.	0.8	1
327	Three-Dimensional Variation of the Slab Geometry Within the South American Subduction System. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	1

#	ARTICLE	IF	CITATIONS
328	Azimuthal Anisotropy Tomography of the Southeast Asia Subduction System. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	1.4	29
329	Kinematics of the East Pacific Rise Retrodicted From Pacific and Farallon/Nazca Subduction-Related Torques: Support for Significant Deep Mantle Buoyancy Controlling EPR Spreading. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	1.4	3
330	Site Response Analysis of Anchorage, Alaska Using Generalized Inversions of Strong-Motion Data (2004-2019). <i>Pure and Applied Geophysics</i> , 2022, 179, 499.	0.8	1
331	Stress, rigidity and sediment strength control megathrust earthquake and tsunami dynamics. <i>Nature Geoscience</i> , 2022, 15, 67-73.	5.4	25
332	Crustal Structure of the Incoming Iquique Ridge Offshore Northern Chile. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	1.4	5
333	NCA-Sub source and path database. <i>Earthquake Spectra</i> , 2022, 38, 799-840.	1.6	14
334	Seismic Imaging of Lithospheric Structure Beneath Central-East Java Region, Indonesia: Relation to Recent Earthquakes. <i>Frontiers in Earth Science</i> , 2022, 10, .	0.8	5
335	Forearc density structure of the overriding plate in the northern area of the giant 1960 Valdivia earthquake. <i>Solid Earth</i> , 2022, 13, 117-136.	1.2	5
336	Deep Coseismic Slip in the Cascadia Megathrust Can Be Consistent With Coastal Subsidence. <i>Geophysical Research Letters</i> , 2022, 49, e2021GL097404.	1.5	7
337	Slab metamorphism and interface earthquakes in Peru: Implications from three-dimensional hydrothermal variation in the subducted Nazca plate. <i>Tectonophysics</i> , 2022, 823, 229212.	0.9	4
338	Effects of Depth of Fault Slip and Continental Shelf Geometry on the Generation of Anomalously Long-Period Tsunami by the July 2020 Mw 7.8 Shumagin (Alaska) Earthquake. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	10
339	The occurrence and hazards of great subduction zone earthquakes. <i>Nature Reviews Earth &amp; Environment</i> , 2022, 3, 125-140.	12.2	17
340	A Detailed Earthquake Catalog for Banda Arc-Australian Plate Collision Zone Using Machine-Learning Phase Picker and an Automated Workflow. <i>The Seismic Record</i> , 2022, 2, 1-10.	1.3	21
341	Adjoint Waveform Tomography of South America. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	1.4	9
342	Dynamic model of the upper mantle beneath the northeastern Tibetan Plateau - constraints from the 410-km and 660-km discontinuities. <i>Gondwana Research</i> , 2022, 106, 224-236.	3.0	2
343	Upper Plate Structure and Megathrust Properties in the Shumagin Gap Near the July 2020 M7.8 Simeonof Event. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	9
344	Body wave dispersion characteristics of regional deep earthquake at Southern Ryukyus subduction zone. <i>E3S Web of Conferences</i> , 2022, 339, 02012.	0.2	1
345	Mantle transition zone discontinuities beneath Taiwan and its adjacent areas: Implications for slab subductions. <i>Tectonophysics</i> , 2022, 826, 229248.	0.9	0

#	ARTICLE	IF	CITATIONS
346	Oceanic plate subduction and continental extrusion in Sumatra: Insight from S-wave anisotropic tomography. <i>Earth and Planetary Science Letters</i> , 2022, 580, 117388.	1.8	5
347	Transitions in subduction zone properties align with long-term topographic growth (Cascadia, USA). <i>Earth and Planetary Science Letters</i> , 2022, 580, 117363.	1.8	1
348	Along-Dip Segmentation of the Slip Behavior and Rheology of the Copiapó Ridge Subducted in North-Central Chile. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	5
349	3-D data of thermal regime, water content, and slab dehydration in Alaska. <i>Data in Brief</i> , 2022, 41, 107845.	0.5	0
350	The 2021 South Sandwich Island <i>M<sub>w</sub></i> 8.2 Earthquake: A Slow Event Sandwiched Between Regular Ruptures. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	10
351	Seismicity and seismically active faulting of Guatemala: A review. <i>Journal of South American Earth Sciences</i> , 2022, 115, 103740.	0.6	6
352	Building Precise Local Submarine Earthquake Catalogs via a Deep-Learning-Empowered Workflow and its Application to the Challenger Deep. <i>Frontiers in Earth Science</i> , 2022, 10, .	0.8	5
353	Stress Orientations and Driving Forces in the Indo-Burma Plate Boundary Zone. <i>Bulletin of the Seismological Society of America</i> , 2022, 112, 1323-1335.	1.1	6
354	TECTONIC STRESS FIELD AT INTERMEDIATE DEPTHS OF THE SOUTHERN FLANK OF THE KURIL-KAMCHATKA SEISMIC ZONE. <i>Geodinamika I Tektonofizika</i> , 2021, 12, 929-950.	0.3	1
356	The 29 July 2021 <i>M<sub>w</sub></i> 8.2 Chignik, Alaska Peninsula Earthquake Rupture Inferred From Seismic and Geodetic Observations: Re-Rupture of the Western 2/3 of the 1938 Rupture Zone. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	19
357	Subduction and carbonate platform interactions. <i>Geoscience Data Journal</i> , 2022, 9, 371-383.	1.8	1
358	Impact of bending-related faulting and oceanic-plate topography on slab hydration and intermediate-depth seismicity. , 2022, 18, 562-584.		8
359	Adjoint Tomography of Northeast Japan Revealed by Common-Source Double-Difference Travel-Time Data. <i>Seismological Research Letters</i> , 2022, 93, 1835-1851.	0.8	6
360	Very Low Frequency Earthquakes in Between the Seismogenic and Tremor Zones in Cascadia?. <i>AGU Advances</i> , 2022, 3, .	2.3	5
361	Imbalanced Moment Release Within Subducting Plates During Initial Bending and Unbending. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	1.4	4
362	Integrated Analysis of the 2020 <i>M<sub>w</sub></i> 7.4 La Crucecita, Oaxaca, Mexico, Earthquake from Joint Inversion of Geodetic and Seismic Observations. <i>Bulletin of the Seismological Society of America</i> , 2022, 112, 1271-1283.	1.1	4
363	Weak, Seismogenic Faults Inherited From Mesozoic Rifts Control Mountain Building in the Andean Foreland. <i>Geochemistry, Geophysics, Geosystems</i> , 2022, 23, .	1.0	6
364	Review of Geochronologic and Geochemical Data of the Greater Antilles Volcanic Arc and Implications for the Evolution of Oceanic Arcs. <i>Geochemistry, Geophysics, Geosystems</i> , 2022, 23, .	1.0	9

#	ARTICLE	IF	CITATIONS
365	Long-Term Lithospheric Strength and Upper-Plate Seismicity in the Southern Central Andes, 29°–39°S. <i>Geochemistry, Geophysics, Geosystems</i> , 2022, 23, .	1.0	10
366	<i>SASSY21</i> : A 3-D Seismic Structural Model of the Lithosphere and Underlying Mantle Beneath Southeast Asia From Multi-Scale Adjoint Waveform Tomography. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	1.4	17
367	Widespread Aseismic Slip Along the Makran Megathrust Triggered by the 2013 Mw 7.7 Balochistan Earthquake. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	3
368	Potassic Volcanism Induced by Mantle Upwelling Through a Slab Window: Evidence From Shear Wave Splitting Analyses in Central Java. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	1.4	7
369	3D constrained gravity inversion to model Moho geometry and stagnant slabs of the Northwestern Pacific plate at the Japan Islands. <i>Tectonophysics</i> , 2022, 829, 229297.	0.9	5
370	Deep mass redistribution prior to the 2010 Mw 8.8 Maule (Chile) Earthquake revealed by GRACE satellite gravity. <i>Earth and Planetary Science Letters</i> , 2022, 584, 117465.	1.8	13
371	Subduction earthquakes controlled by incoming plate geometry: The 2020 M > 7.5 Shumagin, Alaska, earthquake doublet. <i>Earth and Planetary Science Letters</i> , 2022, 584, 117447.	1.8	14
372	Earthquake ruptures and topography of the Chilean margin controlled by plate interface deformation. <i>Solid Earth</i> , 2022, 13, 779-792.	1.2	6
373	Subducting slabs, Hainan plume and intraplate volcanism in SE Asia: Insight from P-wave mantle tomography. <i>Tectonophysics</i> , 2022, 831, 229329.	0.9	19
374	Automated earthquake detection and local travel time tomography in the South-Central Andes (32°–35°S): Implications for regional tectonics. <i>Journal of Geophysical Research: Solid Earth</i> , 0, , .	1.4	4
375	The delamination of lower crust in continental back-arc basin: Evidence from Sr isotope and elemental compositions of plagioclase and clinopyroxene in andesites from Kueishantao, north of Taiwan, China. <i>Lithos</i> , 2022, 416-417, 106653.	0.6	1
376	Analysis of the April 10, 2021 (Mw 6.1) destructive intra-slab earthquake, East Java, Indonesia. <i>Physics of the Earth and Planetary Interiors</i> , 2022, 326, 106866.	0.7	4
377	Controls on crustal seismicity segmentation on a local scale in the Southern Central Andes. <i>Journal of South American Earth Sciences</i> , 2022, 116, 103778.	0.6	2
378	A Far-Field Ground-Motion Model for the North Australian Craton from Plate-Margin Earthquakes. <i>Bulletin of the Seismological Society of America</i> , 2022, 112, 1041-1059.	1.1	2
379	Illuminating a Contorted Slab With a Complex Intraslab Rupture Evolution During the 2021 Mw 7.3 East Cape, New Zealand Earthquake. <i>Geophysical Research Letters</i> , 2021, 48, .	1.5	11
380	Automatic Detection of Slow Slip Events Using the PICCA: Application to Chilean GNSS Data. <i>Frontiers in Earth Science</i> , 2021, 9, .	0.8	2
381	Contributions from lithospheric and upper-mantle heterogeneities to upper crustal seismicity in the Korean Peninsula. <i>Geophysical Journal International</i> , 2022, 229, 1175-1192.	1.0	1
382	From offshore to onshore probabilistic tsunami hazard assessment via efficient Monte Carlo sampling. <i>Geophysical Journal International</i> , 2022, 230, 1630-1651.	1.0	6

#	ARTICLE	IF	CITATIONS
383	Paleoseismic evidence of the 1715 C.E earthquake on the Purgatorio Fault in Southern Peru: Implications for seismic hazard in subduction zones. <i>Tectonophysics</i> , 2022, 834, 229355.	0.9	2
384	Sea-level stability over geological time owing to limited deep subduction of hydrated mantle. <i>Nature Geoscience</i> , 2022, 15, 423-428.	5.4	13
385	Relationship between tectonic tremors and 3-D distributions of thermal structure and dehydration in the Alaska subduction zone. <i>Scientific Reports</i> , 2022, 12, 6234.	1.6	6
386	Interseismic coupling along the Mexican subduction zone seen by InSAR and GNSS. <i>Earth and Planetary Science Letters</i> , 2022, 586, 117534.	1.8	9
397	Deciphering the State of the Lower Crust and Upper Mantle With Multi-Physics Inversion. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	7
398	High-Frequency Rupture Processes of the 2014 Mw8.2 Iquique and 2015 Mw8.3 Illapel, Chile, Earthquakes Determined from Strong-Motion Recordings. <i>Bulletin of the Seismological Society of America</i> , 2022, 112, 1832-1852.	1.1	2
399	Cascading rupture of a megathrust. <i>Science Advances</i> , 2022, 8, eabm4131.	4.7	25
400	Regional Geophysics of the Caribbean and Northern South America: Implications for Tectonics. <i>Geochemistry, Geophysics, Geosystems</i> , 2022, 23, .	1.0	8
401	How Aseismic Ridges Modify the Dynamics of Free Subduction: A 3-D Numerical Investigation. <i>Frontiers in Earth Science</i> , 2022, 10, .	0.8	4
402	Instantaneous tracking of earthquake growth with elastogravity signals. <i>Nature</i> , 2022, 606, 319-324.	13.7	14
403	Quantifying slab sinking rates using global geodynamic models with data-assimilation. <i>Earth-Science Reviews</i> , 2022, 230, 104039.	4.0	12
404	Controls of the Lithospheric Thermal Field of an Ocean-Continent Subduction Zone: The Southern Central Andes. <i>Lithosphere</i> , 2022, 2022, .	0.6	3
406	Open software platforms for GNSS seismogeodesy. , 2022, , 259-301.		0
407	Ongoing tectonic subsidence in the Lesser Antilles subduction zone. <i>Geophysical Journal International</i> , 2022, 231, 319-326.	1.0	4
408	Sensitivity of Tsunami Data to the Up-Dip Extent of the July 2021 Mw8.2 Alaska Earthquake. <i>Seismological Research Letters</i> , 2022, 93, 1992-2003.	0.8	8
409	Seismicity distribution in the Tonankai and Nankai seismogenic zones and its spatiotemporal relationship with interplate coupling and slow earthquakes. <i>Progress in Earth and Planetary Science</i> , 2022, 9, .	1.1	8
410	Aseismic slip and recent ruptures of persistent asperities along the Alaska-Aleutian subduction zone. <i>Nature Communications</i> , 2022, 13, .	5.8	10
411	A Comprehensive Hazard Assessment of the Caribbean Region. <i>Bulletin of the Seismological Society of America</i> , 2022, 112, 1120-1148.	1.1	4

#	ARTICLE	IF	CITATIONS
412	Great earthquake and tsunami potential in the eastern Makran subduction zone: New insights from geodetic and structural constraints. <i>Tectonophysics</i> , 2022, 837, 229462.	0.9	3
413	Aftershock Regions of Aleutian-Alaska Megathrust Earthquakes, 1938-2021. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	1.4	4
414	Interplate Coupling and Seismic Potential in the Atacama Seismic Gap (Chile): Dismissing a Rigid Andean Sliver. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	9
415	Optimizing a model of coseismic rupture for the 22 July 2020 <i>M<sub>w</sub></i> 7.8 Simeonof earthquake by exploiting acute sensitivity of tsunami excitation across the shelf break. <i>Journal of Geophysical Research: Solid Earth</i> , 0, , .	1.4	5
416	A Consistently Processed Strong-Motion Database for Chilean Earthquakes. <i>Seismological Research Letters</i> , 2022, 93, 2700-2718.	0.8	6
417	Source mechanisms and rupture processes of the Jujuy seismic nest, Chile-Argentina border. <i>Journal of South American Earth Sciences</i> , 2022, 117, 103887.	0.6	5
418	Seismic and thermo-compositional insights into the uppermost mantle beneath the Northern Andes magmatic arc. <i>Journal of South American Earth Sciences</i> , 2022, 117, 103883.	0.6	2
419	The cryptic seismic potential of the Pichilemu blind fault in Chile revealed by off-fault geomorphology. <i>Nature Communications</i> , 2022, 13, .	5.8	4
420	MAPA DE SISMICIDAD Y CARACTERIZACIÓN DE FUENTES SISMOGÉNICAS GENERADORAS DE TSUNAMIS EN BAHÍA DE OCOA, REPÚBLICA DOMINICANA. , 2022, 2, 17-43.		0
421	Earthquake Fingerprint of an Incipient Subduction of a Bathymetric High. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	3
422	Elastic Slab in Viscoelastic Mantle: Effects on Determining Megathrust Slip and Mantle Viscosity During Postseismic and Interseismic Phases. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	1.4	4
423	Post-seismic motion after 3 Chilean megathrust earthquakes: A clue for a linear asthenospheric viscosity. <i>Geophysical Journal International</i> , 0, , .	1.0	5
424	Rupture Model for the 29 July 2021 <i>M<sub>w</sub></i> 8.2 Chignik, Alaska Earthquake Constrained by Seismic, Geodetic, and Tsunami Observations. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	1.4	11
425	Resolving Shallow Moment Releases of Megathrust Earthquakes by Empirical Green's Function-Based Inversions: A New Approach for Tsunami Warning. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	1.4	0
426	WUS256: An Adjoint Waveform Tomography Model of the Crust and Upper Mantle of the Western United States for Improved Waveform Simulations. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	1.4	10
427	Double Seismic Zones along the Eastern Aleutian-Alaska Subduction Zone Revealed by a High-Precision Earthquake Relocation Catalog. <i>Seismological Research Letters</i> , 2022, 93, 2753-2769.	0.8	3
428	Upper-plate structure and tsunamigenic faults near the Kodiak Islands, Alaska, USA. , 0, , .		1
429	Waveform Signatures of Earthquakes Located Close to the Subducted Gorda Plate Interface. <i>Bulletin of the Seismological Society of America</i> , 2022, 112, 2440-2453.	1.1	3



#	ARTICLE	IF	CITATIONS
430	Transient Brittle Creep Mechanism Explains Early Postseismic Phase of the 2011 Tohoku M <sub>w</sub> 9.0 Megathrust Earthquake: Observations by High-Rate GPS Solutions. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	1.4	6
431	Mechanism of the 2017 M <sub>w</sub> 6.3 Pasni earthquake and its significance for future major earthquakes in the eastern Makran. <i>Geophysical Journal International</i> , 2022, 231, 1434-1445.	1.0	3
433	Subduction Evolution Controlled Himalayan Orogenesis: Implications from 3-D Subduction Modeling. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 7413.	1.3	2
434	Rupture Characteristics Analysis of the 2020 Mw 7.4 Oaxaca, Mexico Earthquake Using Teleseismic, High-Rate GPS, and InSAR Data. <i>Frontiers in Earth Science</i> , 0, 10, .	0.8	0
435	Subduction age and stress state control on seismicity in the NW Pacific subducting plate. <i>Scientific Reports</i> , 2022, 12, .	1.6	6
436	Achievements and Prospects of Global Broadband Seismographic Networks After 30 Years of Continuous Geophysical Observations. <i>Reviews of Geophysics</i> , 2022, 60, .	9.0	22
437	Seismogenesis of the 2021 Mw 7.1 earthquake sequence near the northeastern Japan revealed by double-difference seismic tomography. <i>Earth and Planetary Science Letters</i> , 2022, 594, 117738.	1.8	5
438	The present-day tectonic regimes of the Colombian Andes and the role of slab geometry in intraplate seismicity. <i>International Journal of Earth Sciences</i> , 2022, 111, 2081-2099.	0.9	4
439	Subduction Zone Interface Structure Within the Southern M <sub>w</sub> 9.2 1964 Great Alaska Earthquake Asperity: Constraints From Receiver Functions Across a Spatially Dense Node Array. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	2
440	Formation of Continental Crust by Diapiric Melting of Recycled Crustal Materials in the Mantle Wedge. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	1
441	Causes of Variable Shortening and Tectonic Subsidence During Changes in Subduction: Insights From Flexural Thermokinematic Modeling of the Neogene Southern Central Andes (28°–30°S). <i>Tectonics</i> , 2022, 41, .	1.3	5
442	Slab remnants beneath the Myanmar terrane evidencing double subduction of the Neo-Tethyan Ocean. <i>Science Advances</i> , 2022, 8, .	4.7	10
443	Global Constraints on Intermediate-Depth Intraslab Stresses From Slab Geometries and Mechanisms of Double Seismic Zone Earthquakes. <i>Geochemistry, Geophysics, Geosystems</i> , 2022, 23, .	1.0	7
444	Asthenospheric flow from East Asia to the Philippine Sea Plate revealed by MCMC inversion of surface waves. <i>Geochemistry, Geophysics, Geosystems</i> , 0, , .	1.0	0
445	Hidden Roughness of Subducting Seafloor and Implications for Megathrust Seismogenesis: Example From Northern Manila Trench. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	2
446	Could thermal pressurization have induced the frequency-dependent rupture during the 2019 M <sub>w</sub> 8.0 Peru intermediate-depth earthquake?. <i>Geophysical Journal International</i> , 2022, 232, 115-127.	1.0	1
447	Bayesian Multi-Model Estimation of Fault Slip Distribution for Slow Slip Events in Southwest Japan: Effects of Prior Constraints and Uncertain Underground Structure. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	1.4	2
448	The role of fault interaction in earthquake migration in Central Sulawesi, Indonesia. <i>Tectonophysics</i> , 2022, 839, 229530.	0.9	0

#	ARTICLE	IF	CITATIONS
449	Tsunami modeling and inundation maps of the $M_{8.6}$ , 1787 earthquake along the Oaxacan coast. <i>Journal of South American Earth Sciences</i> , 2022, 119, 103982.	0.6	1
450	Seismic source analysis of two anomalous earthquakes in Northern Chile. <i>Journal of South American Earth Sciences</i> , 2022, 119, 103948.	0.6	3
451	Machine learning-based tsunami inundation prediction derived from offshore observations. <i>Nature Communications</i> , 2022, 13, .	5.8	13
452	Probabilistic tsunami hazard analysis for western Makran coasts, south-east Iran. <i>Natural Hazards</i> , 0, , .	1.6	4
453	Source Parameters of the $M_{5.7}$ Pica Crustal Earthquake in Northern Chile. <i>Seismological Research Letters</i> , 2023, 94, 100-112.	0.8	1
454	Upper mantle and continental crust anisotropy in southeastern Mexico determined from shear-wave splitting measurements using local intraslab earthquakes. <i>Journal of South American Earth Sciences</i> , 2022, 119, 104023.	0.6	2
455	Raised Potential Earthquake and Tsunami Hazards at the North Sulawesi Subduction Zone after a Flurry of Major Seismicity. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
456	A new tsunami hazard assessment for eastern Makran subduction zone by considering splay faults and applying stochastic modeling. <i>Coastal Engineering Journal</i> , 2023, 65, 67-96.	0.7	3
458	A consistent multiparameter Bayesian full waveform inversion scheme for imaging heterogeneous isotropic elastic media. <i>Geophysical Journal International</i> , 2022, 232, 864-883.	1.0	3
459	Across-strike asymmetry of the Andes orogen linked to the age and geometry of the Nazca plate. <i>Geology</i> , 2022, 50, 1341-1345.	2.0	1
461	The Mechanisms of Tsunami Amplification and the Earthquake Source of the 2021 $M_{7.7}$ Acapulco, Mexico, Earthquake. <i>Bulletin of the Seismological Society of America</i> , 0, , .	1.1	1
462	Seismic Full-Waveform Inversion of the Crust-Mantle Structure Beneath China and Adjacent Regions. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	1.4	4
464	The Role of Slab Steps on Tectonic Loading Along Subduction Zones: Inferences on the Seismotectonics of the Sunda Convergent Margin. <i>Tectonics</i> , 2022, 41, .	1.3	1
465	Mapping the Lithosphere and Asthenosphere beneath Alaska with Sp Converted Waves. <i>Geochemistry, Geophysics, Geosystems</i> , 0, , .	1.0	5
466	Stochastic tsunami modeling induced by kinematic complex sources. <i>Scientific Reports</i> , 2022, 12, .	1.6	0
467	Simulation of Tsunami Inundation for the Island of Martinique to Nearby Large Earthquakes. <i>Bulletin of the Seismological Society of America</i> , 0, , .	1.1	0
468	Investigating the Effect of Mantle Flow and Viscosity Structure on Surface Velocities in Alaska Using 3D Geodynamic Models. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	1.4	3
469	Performance of an RC building under seismic and tsunami actions in sequence via nonlinear dynamic analysis including soil-structure interaction. <i>Engineering Structures</i> , 2022, 272, 114942.	2.6	3

#	ARTICLE	IF	CITATIONS
470	Effects of mantle flow on the chemistry of Coriolis Troughs backarc magmas. <i>Chemical Geology</i> , 2022, 612, 121116.	1.4	0
472	Stochastic source modeling and tsunami simulations of cascadia subduction earthquakes for Canadian Pacific coast. <i>Coastal Engineering Journal</i> , 2022, 64, 575-596.	0.7	3
473	Along-strike island-arc crustal growth rate estimation: case study of the Izu-Bonin-Mariana subduction system. <i>Geophysical Journal International</i> , 0, , .	1.0	0
474	Two-Stage Rupture of the 19 October 2020 Mw 7.6 Strike-Slip Earthquake Illuminated the Boundary of Coupling Variation in the Shumagin Islands, Alaska. <i>Seismological Research Letters</i> , 2023, 94, 52-65.	0.8	2
475	Seismic induced Ground deformation and Ionospheric perturbations of the 29 July 2021, Mw 8.2 Chignik earthquake, Alaska. <i>Journal of Geophysical Research: Space Physics</i> , 0, , .	0.8	0
476	Metamorphism and Deformation on Subduction Interfaces: 1. Physical Framework. <i>Geochemistry, Geophysics, Geosystems</i> , 2023, 24, .	1.0	7
479	Metamorphism and Deformation on Subduction Interfaces: 2. Petrological and Tectonic Implications. <i>Geochemistry, Geophysics, Geosystems</i> , 2023, 24, .	1.0	5
480	Seismic and Tsunami Characteristics of a Multimodal Rupture of Rapid and Slow Stages: The Example of the Complex 12 August 2021 South Sandwich Earthquake. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	1.4	4
481	Stress transmission along mid-crustal faults highlighted by the 2021 Mw 6.5 San Juan (Argentina) earthquake. <i>Scientific Reports</i> , 2022, 12, .	1.6	4
482	SASSIER22: Full-Waveform Tomography of the Eastern Indonesian Region That Includes Topography, Bathymetry, and the Fluid Ocean. <i>Geochemistry, Geophysics, Geosystems</i> , 2022, 23, .	1.0	3
483	Understanding surface wave modal content for high-resolution imaging of submarine sediments with distributed acoustic sensing. <i>Geophysical Journal International</i> , 2022, 232, 1668-1683.	1.0	7
484	The 2021 Loyalty Islands Earthquake (Mw 7.7): Tsunami Waveform Inversion and Implications for Tsunami Forecasting for New Zealand. <i>Earth and Space Science</i> , 2022, 9, .	1.1	2
485	Velocity Gradients Below the 410-km Discontinuity Beneath Eastern Asia and Its Implication on Water Content Distribution. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	0
486	On the potential for megathrust earthquakes and tsunamis off the southern coast of West Java and southeast Sumatra, Indonesia. <i>Natural Hazards</i> , 2023, 116, 1315-1328.	1.6	8
487	Waveform inversion of large data sets for radially anisotropic Earth structure. <i>Geophysical Journal International</i> , 2022, 232, 1311-1339.	1.0	2
488	Seismic Structure Beneath the Molucca Sea Collision Zone from Travel Time Tomography Based on Local and Regional BMKG Networks. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 10520.	1.3	1
489	Heavy Copper Isotopes in Arc-Related Lavas From Cold Subduction Zones Uncover a Sub-Arc Mantle Metasomatized by Serpentine-Derived Sulfate-Rich Fluids. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	1.4	5
490	Nonlinear Earthquake Response of Marine Sediments With Distributed Acoustic Sensing. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	7

#	ARTICLE	IF	CITATIONS
491	Climate-driven compositional modifications of arc volcanoes along the East Equatorial Pacific Margin – The magmatic response to a cooling planet. <i>Earth-Science Reviews</i> , 2022, 234, 104228.	4.0	0
492	Origin of the southern Ryukyu Forearc Terrace: A seaward-protrusion of arc crust elevated by subducted asperities?. <i>Journal of Asian Earth Sciences</i> , 2022, , 105467.	1.0	0
493	Power-law Viscoelastic Flow of the Lower Accretionary Prism in the Makran Subduction Zone Following the 2013 Baluchistan Earthquake. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	1.4	1
494	Surface Wave Isotropic and Azimuthally Anisotropic Dispersion Across Alaska and the Alaska–Aleutian Subduction Zone. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	1.4	5
495	Fast and Slow Earthquakes in Alaska: Implications from a Three-Dimensional Thermal Regime and Slab Metamorphism. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 11139.	1.3	2
496	Rupture properties of the 2020 Mw 6.8 Calama (northern Chile) intraslab earthquake. Comparison with similar intraslab events in the region. <i>Geophysical Journal International</i> , 0, , .	1.0	2
497	Structure and dynamics of the Tonga subduction zone: New insight from P-wave anisotropic tomography. <i>Earth and Planetary Science Letters</i> , 2022, 598, 117844.	1.8	0
498	Heavy Mo isotope composition of northern Bataan adakites, Philippines: Evidence for fore-arc subduction erosion?. <i>Geology</i> , 2023, 51, 49-53.	2.0	4
499	Temperature distribution for interplate seismic events in the southcentral Alaska subduction zone based on 3-D thermomechanical modeling. <i>Tectonophysics</i> , 2022, 843, 229604.	0.9	1
500	Slab stagnation vs. penetration of Nazca subduction inferred from shear wave reflectivity. <i>Earth and Planetary Science Letters</i> , 2022, 599, 117867.	1.8	1
501	Persistent seismic activity in the epicentral region of the 1977 double earthquake, Sierra de Pie de Palo, SAN JUAN, Argentina. <i>Journal of South American Earth Sciences</i> , 2022, 120, 104057.	0.6	1
502	Bayesian inference on the initiation phase of the 2014 Iquique, Chile, earthquake. <i>Earth and Planetary Science Letters</i> , 2022, 600, 117835.	1.8	7
503	Unraveling an enigmatic boundary along the Sunda-Banda volcanic arc. <i>Earth and Planetary Science Letters</i> , 2022, 599, 117860.	1.8	1
504	Self-reactivated rupture during the 2019 Mw 8 northern Peru intraslab earthquake. <i>Earth and Planetary Science Letters</i> , 2023, 601, 117886.	1.8	7
505	Direct surface-wave tomography under Northeast China: New insights into 3-D crustal S-wave velocity structure and dynamics of intraplate volcanism. <i>Physics of the Earth and Planetary Interiors</i> , 2023, 334, 106959.	0.7	4
506	Downgoing Plateau Buoyancy Driven Retreat of North Sulawesi Trench: Transition of a Passive Margin Into a Subduction Zone. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	3
507	Back-arc basins: A global view from geophysical synthesis and analysis. <i>Earth-Science Reviews</i> , 2023, 236, 104242.	4.0	10
508	Aseismic ridge subduction focused late Cenozoic exhumation above the Peruvian flat slab. <i>Earth and Planetary Science Letters</i> , 2022, 600, 117754.	1.8	4

#	ARTICLE	IF	CITATIONS
509	Structural Heterogeneity of the Alaska–Aleutian Forearc: Implications for Interplate Coupling and Seismogenic Behaviors. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	1.4	5
510	Raised potential earthquake and tsunami hazards at the North Sulawesi subduction zone after a flurry of major seismicity. <i>Marine and Petroleum Geology</i> , 2023, 148, 106024.	1.5	1
511	Correlations between subduction of linear oceanic features and arc volcanism volume around the Pacific basin. <i>Geochemistry, Geophysics, Geosystems</i> , 0, , .	1.0	0
512	地震震害的预测与减灾. <i>地球科学 - 中国地质大学 (北京) 学报/Earth Science - Journal of China University of Geosciences</i> , 2022, 47, 2744.	0.1	0
513	Multi-scale imaging of 3-D electrical conductivity structure under the contiguous US constrains lateral variations in the upper mantle water content. <i>Earth and Planetary Science Letters</i> , 2023, 602, 117939.	1.8	4
514	Shallow earthquakes source parameters in the Eastern Sierras Pampeanas of Córdoba, (Argentina): Implications to deep crustal faulting and shortening. <i>Journal of South American Earth Sciences</i> , 2023, 121, 104123.	0.6	0
515	Probabilistic seismic hazard assessment for Western Mexico. <i>Engineering Geology</i> , 2023, 313, 106959.	2.9	6
516	Local Tsunami Amplification Factors due to the Bathymetric Effect and its Application to Approximate Hazard Assessment on the Zihuatanejo Coast. <i>Pure and Applied Geophysics</i> , 2022, 179, 4301-4322.	0.8	0
517	A New Method Applied for the Determination of Relative Weight Ratios Under the TensorFlow Platform When Estimating Coseismic Slip Distribution. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	1.4	1
518	Joint inversion of PP and SS precursor waveforms and Rayleigh wave phase velocities for global mantle transition zone structure. <i>Geophysical Journal International</i> , 2022, 233, 316-337.	1.0	1
519	Constraints on the Lithospheric Kinematics in the Aegean and Western Anatolia Unveiled by SKS Splitting Observations. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	1.4	2
520	Climatic control on the location of continental volcanic arcs. <i>Scientific Reports</i> , 2022, 12, .	1.6	2
521	Slab Morphology Around the Philippine Sea: New Insights From P–Wave Mantle Tomography. <i>Journal of Geophysical Research: Solid Earth</i> , 2023, 128, .	1.4	2
522	Comparing the Dynamics of Free Subduction in Cartesian and Spherical Domains. <i>Geochemistry, Geophysics, Geosystems</i> , 2022, 23, .	1.0	1
523	Lithospheric and Slab Configurations From Receiver Function Imaging in Northwestern South America, Colombia. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	1.4	6
524	Offshore Landward Motion Shortly After a Subduction Earthquake Implies Rapid Relocking of the Shallow Megathrust. <i>Geophysical Research Letters</i> , 2023, 50, .	1.5	2
525	Numerical modelling of the 1970 intraslab Peru earthquake and tsunami (Mw 7.9). <i>Journal of Seismology</i> , 0, , .	0.6	2
526	Multi-level emulation of tsunami simulations over Cilacap, South Java, Indonesia. <i>Computational Geosciences</i> , 2023, 27, 127-142.	1.2	1

#	ARTICLE	IF	CITATIONS
527	Variations in Lithospheric Thickness Across the Denali Fault and in Northern Alaska. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	5
528	The factors controlling along-arc and across-arc variations of primitive arc magma compositions: A global perspective. <i>Frontiers in Earth Science</i> , 0, 10, .	0.8	1
529	Origin of the Sierras Pampeanas, Argentina: Flat-slab subduction and inherited structures. <i>Geology</i> , 2023, 51, 151-156.	2.0	1
530	Analysis of the coseismic slip behavior for the MW = 9.1 2011 Tohoku-Oki earthquake from satellite GOCE vertical gravity gradient. <i>Frontiers in Earth Science</i> , 0, 10, .	0.8	2
531	Bayesian Seismic Source Inversion With a 3D Earth Model of the Japanese Islands. <i>Journal of Geophysical Research: Solid Earth</i> , 2023, 128, .	1.4	2
532	B-value variations in the Central Chile seismic gap assessed by a Bayesian transdimensional approach. <i>Scientific Reports</i> , 2022, 12, .	1.6	4
533	Future perspectives of earthquake-tsunami catastrophe modelling: From single-hazards to cascading and compounding multi-hazards. <i>Frontiers in Built Environment</i> , 0, 8, .	1.2	2
534	Active Faults Revealed and New Constraints on Their Seismogenic Depth from a High-Resolution Regional Focal Mechanism Catalog in Myanmar (2016–2021). <i>Bulletin of the Seismological Society of America</i> , 2023, 113, 613-635.	1.1	7
535	The present-day stress field along the Northwest Pacific Wadati-Benioff zone constrained by focal mechanisms of moderate earthquakes. <i>Frontiers in Earth Science</i> , 0, 10, .	0.8	0
536	The 2013 Slab-Wide Kamchatka Earthquake Sequence. <i>Geophysical Research Letters</i> , 2023, 50, .	1.5	2
537	Coseismic Deformation Responses due to Geometrical Structure and Heterogeneity of the Accretionary Wedge: Study Case 2010 Mentawai Earthquake, West Sumatra, Indonesia. <i>International Journal of Geophysics</i> , 2023, 2023, 1-13.	0.4	0
538	Double-Difference Adjoint Tomography of the Crust and Uppermost Mantle Beneath Alaska. <i>Journal of Geophysical Research: Solid Earth</i> , 2023, 128, .	1.4	2
539	Subduction hydrothermal regime and seismotectonic variation along Kermadec–Tonga megathrusts. <i>Journal of Asian Earth Sciences</i> , 2023, 243, 105532.	1.0	0
540	Recent relative sea-level changes recorded by coral microatolls in Southern Ryukyus islands, Japan: IMPLICATION FOR THE SEISMIC CYCLE OF THE MEGATHRUST.. <i>Geochemistry, Geophysics, Geosystems</i> , 0, , .	1.0	0
541	Stress State of the Stable Part of the Pacific Plate Predicted by a Numerical Model of Global Mantle Flow Coupled with Plate Motion. <i>Lithosphere</i> , 2023, 2023, .	0.6	1
542	The Geodynamic Setting and Geological Context of Merapi Volcano in Central Java, Indonesia. <i>Active Volcanoes of the World</i> , 2023, , 89-109.	1.0	6
543	Afterslip of the $M_w$ 8.3 2015 Illapel Earthquake Imaged Through a Time-Dependent Inversion of Continuous and Survey GNSS Data. <i>Journal of Geophysical Research: Solid Earth</i> , 2023, 128, .	1.4	4
544	New Insights Into Crustal Deformation of the Indonesia–Australia–New Guinea Collision Zone From a Broad-Scale Kinematic Model. <i>Journal of Geophysical Research: Solid Earth</i> , 2023, 128, .	1.4	4

#	ARTICLE	IF	CITATIONS
545	Perspective Chapter: Testing the Interoccurrence Times Probability Distributions of Earthquakes. , 0, , .		0
546	A New Method to Estimate Slab Dip Direction Using Receiver Functions and Its Application in Revealing Slab Geometry and a Diffuse Plate Boundary Beneath Sumatra. <i>Journal of Geophysical Research: Solid Earth</i> , 2023, 128, .	1.4	1
547	Seismic evidence for slab detachment beneath the Taiwan Orogen. <i>Earth and Planetary Science Letters</i> , 2023, 610, 118131.	1.8	1
548	Megathrust complexity and the up-dip extent of slip during the 2021 Chignik, Alaska Peninsula earthquake. <i>Tectonophysics</i> , 2023, 854, 229808.	0.9	1
549	The Northern Chile forearc constrained by 15 years of permanent seismic monitoring. <i>Journal of South American Earth Sciences</i> , 2023, 126, 104326.	0.6	1
550	Pb-Sr isotopes of the Kurile arc provide evidence for Indian-type oceanic crust in the Pacific basin. <i>Lithos</i> , 2023, 448-449, 107174.	0.6	1
552	Topographic variations of mantle transition zone discontinuities in the Java subduction zone and adjacent regions from receiver function analyses. <i>Tectonophysics</i> , 2023, 849, 229723.	0.9	1
553	Cenozoic Exhumation and Deformation of the Intermontane Pastos Chicos Basin in the Southern Central Andes: Implications for the Tectonic Evolution of the Andean Plateau (Puna) and the Eastern Cordillera Between 23° and 24°S, NW Argentina. <i>Tectonics</i> , 2023, 42, .	1.3	3
554	Seismic and aseismic slip during the 2006 Copiapó swarm in North-Central Chile. <i>Journal of South American Earth Sciences</i> , 2023, 123, 104198.	0.6	1
555	Subduction thermal regime, petrological metamorphism and seismicity under the Mariana arc. <i>Scientific Reports</i> , 2023, 13, .	1.6	4
556	Megathrust Stress Drop as Trigger of Aftershock Seismicity: Insights From the 2011 Tohoku Earthquake, Japan. <i>Geophysical Research Letters</i> , 2023, 50, .	1.5	3
557	Asthenospheric low-velocity zone consistent with globally prevalent partial melting. <i>Nature Geoscience</i> , 2023, 16, 175-181.	5.4	15
558	3D geometric modelling of the Northwest Pacific slabs: A review and new high-precision model. <i>Earth-Science Reviews</i> , 2023, 238, 104351.	4.0	1
559	Slab dehydration and magmatism in the Kurile arc as a function of depth: An investigation based on B-Sr-Nd-Hf isotopes. <i>Chemical Geology</i> , 2023, 621, 121373.	1.4	1
560	Structure and seismogenic activity of the broken foreland to the south of the Chilean-Pampean flat subduction zone: The San Rafael Block. <i>Journal of South American Earth Sciences</i> , 2023, 124, 104260.	0.6	1
561	The upper-mantle density variation beneath the South Atlantic Ocean and its implications for hotspots and large igneous provinces. <i>Tectonophysics</i> , 2023, 850, 229755.	0.9	0
562	Global Variability of Density Contrast Across the 660-km Discontinuity. <i>Geophysical Research Letters</i> , 2023, 50, .	1.5	0
563	Numerical Modeling of Subduction. , 2023, , 539-571.		0

#	ARTICLE	IF	CITATIONS
564	Lithosphereâ€‘Mantle Interactions in Subduction Zones. , 2023, , 385-405.		0
565	Subduction Zones: A Short Review. , 2023, , 321-355.		2
567	è¥žđá13æ'æ-°èž'çªçš,,ăž-ă†²èµ.âšæ"jăž'ăšăž-ă†²ă, ă,æ•°ă†æž• SCIENTIA SINICA Terrae, 2023, 53, 461-480.	0.1	0
568	Can Plate Bending Explain the Observed Faster Landward Motion of Lateral Regions of the Subduction Zone After Major Megathrust Earthquakes?. Journal of Geophysical Research: Solid Earth, 2023, 128, .	1.4	0
569	Neogene subduction initiation models in the western Pacific and analysis of subduction zone parameters. Science China Earth Sciences, 2023, 66, 472-491.	2.3	1
570	Segmentation and Radial Anisotropy of the Deep Crustal Magmatic System Beneath the Cascades Arc. Geochemistry, Geophysics, Geosystems, 2023, 24, .	1.0	4
571	Dynamic link between Neo-Tethyan subduction and atmospheric CO2 changes: insights from seismic tomography reconstruction. Science Bulletin, 2023, 68, 637-644.	4.3	7
572	Can Stochastic Slip Rupture Modeling Produce Realistic <b>M</b>9+ Events?. Journal of Geophysical Research: Solid Earth, 2023, 128, .	1.4	1
573	The 2021 and 2022 Fukushima-Oki earthquake doublet: Reactivations of the bending-related faults inside the Japan Trench subducting slab. Tectonophysics, 2023, 853, 229800.	0.9	2
574	The influence of mantle hydration and flexure on slab seismicity in the southern Central Andes. Communications Earth & Environment, 2023, 4, .	2.6	0
575	Dehydration of the Subducting Juan de Fuca Plate and Fluid Pathways Revealed by Full Waveform Inversion of Teleseismic P and SH Waves in Central Oregon. Journal of Geophysical Research: Solid Earth, 2023, 128, .	1.4	3
576	Seismic imaging of the Java subduction zone: New insight into arc volcanism and seismogenesis. Tectonophysics, 2023, 854, 229810.	0.9	4
577	Imaging the source region of recent megathrust earthquakes along the Chile subduction zone: A summary of results from recent experiments. Journal of South American Earth Sciences, 2023, 127, 104313.	0.6	1
578	Dense geophysical observations reveal a triggered, concurrent multi-fault rupture at the Mendocino Triple Junction. Communications Earth & Environment, 2023, 4, .	2.6	2
579	Highâ€‘Resolution Broadband Lg Attenuation Structure of the Anatolian Crust and Its Implications for Mantle Upwelling and Plateau Uplift. Geophysical Research Letters, 2023, 50, .	1.5	4
580	Infrasound waves and sulfur dioxide emissions caused by the 2022 Hunga volcanic eruption, Tonga. Frontiers in Earth Science, 0, 11, .	0.8	0
581	A Secondary Zone of Uplift Measured After Megathrust Earthquakes: Caused by Early Downdip Afterslip?. Geophysical Research Letters, 2023, 50, .	1.5	0
582	Coseismic Slip Model of the 19 September 2022 Mwâˆ7.6 MichoacÃ¡jn, Mexico, Earthquake: A Quasi-Repeat of the 1973 Mwâˆ7.6 Rupture. The Seismic Record, 2023, 3, 57-68.	1.3	1



#	ARTICLE	IF	CITATIONS
583	Deep Geophysical Anomalies Beneath the Changbaishan Volcano. <i>Journal of Geophysical Research: Solid Earth</i> , 2023, 128, .	1.4	2
584	Structure and Dynamics of Lithosphere and Asthenosphere in Asia: A Seismological Perspective. <i>Geophysical Research Letters</i> , 2023, 50, .	1.5	1
585	Fast and slow intraplate ruptures during the 19 October 2020 magnitude 7.6 Shumagin earthquake. <i>Nature Communications</i> , 2023, 14, .	5.8	1
586	Tectonic settings influence the geochemical and microbial diversity of Peru hot springs. <i>Communications Earth &amp; Environment</i> , 2023, 4, .	2.6	4
587	New ground-motion prediction equations for significant duration of shallow crustal and upper mantle earthquakes in Japan and intra-event spatial correlation. <i>Soil Dynamics and Earthquake Engineering</i> , 2023, 171, 107974.	1.9	0
668	Earthquake hypocenter relocation using double-difference method in Central Java. <i>AIP Conference Proceedings</i> , 2023, , .	0.3	0
677	Global seismic tomography reveals remnants of subducted Tethyan oceanic slabs in the deep mantle. <i>Science China Earth Sciences</i> , 2023, 66, 2751-2769.	2.3	1
692	Accelerating Data-Intensive Seismic Research Through Parallel Workflow Optimization and Federated Cyberinfrastructure. , 2023, , .		1
708	Estimation of Seismic Intensities Based on the Spatial Distribution of Asperities in Megathrust Earthquakes. , 2023, , .		0