

Takeshi Tsuji

List of Publications by Year in descending order

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216
papers

4,675
citations

101496

36
h-index

138417

58
g-index

238
all docs

238
docs citations

238
times ranked

3821
citing authors

#	ARTICLE	IF	CITATIONS
1	Episodic slow slip events in the Japan subduction zone before the 2011 Tohoku-Oki earthquake. <i>Tectonophysics</i> , 2013, 600, 14-26.	0.9	303
2	Frontal wedge deformation near the source region of the 2011 Tohoku-Oki earthquake. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	232
3	Shear wave imaging from traffic noise using seismic interferometry by cross-coherence. <i>Geophysics</i> , 2011, 76, SA97-SA106.	1.4	218
4	Characterization of immiscible fluid displacement processes with various capillary numbers and viscosity ratios in 3D natural sandstone. <i>Advances in Water Resources</i> , 2016, 95, 3-15.	1.7	145
5	Structural and seismic stratigraphic framework of the NanTroSEIZE Stage 1 transect. <i>Proceedings of the Integrated Ocean Drilling Program Integrated Ocean Drilling Program</i> , 0, , .	1.0	139
6	Waveform tomography imaging of a megasplay fault system in the seismogenic Nankai subduction zone. <i>Earth and Planetary Science Letters</i> , 2012, 317-318, 343-353.	1.8	115
7	Pore pressure distribution of a mega-splay fault system in the Nankai Trough subduction zone: Insight into up-dip extent of the seismogenic zone. <i>Earth and Planetary Science Letters</i> , 2014, 396, 165-178.	1.8	100
8	Effective stress and pore pressure in the Nankai accretionary prism off the Muroto Peninsula, southwestern Japan. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	88
9	Monitoring seismic velocity change caused by the 2011 Tohoku-Oki earthquake using ambient noise records. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	85
10	Runaway slip to the trench due to rupture of highly pressurized megathrust beneath the middle trench slope: The tsunamigenesis of the 2011 Tohoku earthquake off the east coast of northern Japan. <i>Earth and Planetary Science Letters</i> , 2012, 339-340, 32-45.	1.8	81
11	Modeling CO ₂ "Water" Mineral Wettability and Mineralization for Carbon Geosequestration. <i>Accounts of Chemical Research</i> , 2017, 50, 1530-1540.	7.6	80
12	V_P/V_S ratio and shear-wave splitting in the Nankai Trough seismogenic zone: Insights into effective stress, pore pressure, and sediment consolidation. <i>Geophysics</i> , 2011, 76, WA71-WA82.	1.4	79
13	Deep-biosphere methane production stimulated by geofluids in the Nankai accretionary complex. <i>Science Advances</i> , 2018, 4, eaao4631.	4.7	79
14	Extension of continental crust by anelastic deformation during the 2011 Tohoku-oki earthquake: The role of extensional faulting in the generation of a great tsunami. <i>Earth and Planetary Science Letters</i> , 2013, 364, 44-58.	1.8	76
15	Lattice Boltzmann Simulations of Supercritical CO ₂ "Water Drainage Displacement in Porous Media: CO ₂ Saturation and Displacement Mechanism. <i>Environmental Science & Technology</i> , 2015, 49, 537-543.	4.6	75
16	Hydrothermal fluid flow system around the Iheya North Knoll in the mid-Okinawa trough based on seismic reflection data. <i>Journal of Volcanology and Geothermal Research</i> , 2012, 213-214, 41-50.	0.8	71
17	Potential tsunamigenic faults of the 2011 off the Pacific coast of Tohoku Earthquake. <i>Earth, Planets and Space</i> , 2011, 63, 831-834.	0.9	67
18	On acoustic waveform tomography of wide-angle OBS data--strategies for pre-conditioning and inversion. <i>Geophysical Journal International</i> , 2013, 194, 1250-1280.	1.0	64

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19	Simultaneous seismic reflection and physical oceanographic observations of oceanic fine structure in the Kuroshio extension front. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	61
20	Estimation of three-phase relative permeability by simulating fluid dynamics directly on rock-microstructure images. <i>Water Resources Research</i> , 2017, 53, 11-32.	1.7	54
21	Two-dimensional mapping of fine structures in the Kuroshio Current using seismic reflection data. <i>Geophysical Research Letters</i> , 2005, 32, n/a-n/a.	1.5	53
22	Multimode inversion with amplitude response of surface waves in the spatial autocorrelation method. <i>Geophysical Journal International</i> , 2012, 190, 541-552.	1.0	53
23	Gas hydrate saturation at <i>Site C0002</i> , IODP Expeditions 314 and 315, in the <i>Kumano Basin</i> , <i>Nankai trough</i> . <i>Island Arc</i> , 2014, 23, 142-156.	0.5	52
24	Elucidating the Role of Interfacial Tension for Hydrological Properties of Two-Phase Flow in Natural Sandstone by an Improved Lattice Boltzmann Method. <i>Transport in Porous Media</i> , 2014, 104, 205-229.	1.2	51
25	Identification of the static backstop and its influence on the evolution of the accretionary prism in the Nankai Trough. <i>Earth and Planetary Science Letters</i> , 2015, 431, 15-25.	1.8	49
26	Window-controlled CMP crosscorrelation analysis for surface waves in laterally heterogeneous media. <i>Geophysics</i> , 2013, 78, EN95-EN105.	1.4	48
27	Changes in pore geometry and relative permeability caused by carbonate precipitation in porous media. <i>Physical Review E</i> , 2014, 90, 053306.	0.8	48
28	Spatial and temporal seismic velocity changes on Kyushu Island during the 2016 Kumamoto earthquake. <i>Science Advances</i> , 2017, 3, e1700813.	4.7	48
29	Earthquake fault of the 26 May 2006 Yogyakarta earthquake observed by SAR interferometry. <i>Earth, Planets and Space</i> , 2009, 61, e29-e32.	0.9	47
30	Seismic interferometry using multidimensional deconvolution and crosscorrelation for crosswell seismic reflection data without borehole sources. <i>Geophysics</i> , 2011, 76, SA19-SA34.	1.4	47
31	Distribution of stress state in the Nankai subduction zone, southwest Japan and a comparison with Japan Trench. <i>Tectonophysics</i> , 2016, 692, 120-130.	0.9	45
32	Hydrothermal Activity in the Okinawa Trough Back-Arc Basin: Geological Background and Hydrothermal Mineralization. , 2015, , 337-359.		43
33	Hydrothermal plumes imaged by high-resolution side-scan sonar on a cruising AUV, <i>Urashima</i> . <i>Geochemistry, Geophysics, Geosystems</i> , 2010, 11, .	1.0	41
34	Elasticity and Stability of Clathrate Hydrate: Role of Guest Molecule Motions. <i>Scientific Reports</i> , 2017, 7, 1290.	1.6	41
35	Electronic spectra of jet-cooled 5-bromotropolone and 5-chlorotropolone. Influence of symmetrical substitution on proton tunneling in the S1 state. <i>Journal of Chemical Physics</i> , 1992, 97, 6032-6039.	1.2	40
36	Surface-wave analysis for identifying unfrozen zones in subglacial sediments. <i>Geophysics</i> , 2012, 77, EN17-EN27.	1.4	40

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37	Velocity-porosity relationships in oceanic basalt from eastern flank of the Juan de Fuca Ridge: The effect of crack closure on seismic velocity. <i>Exploration Geophysics</i> , 2008, 39, 41-51.	0.5	39
38	Achieving a Carbon Neutral Future through Advanced Functional Materials and Technologies. <i>Bulletin of the Chemical Society of Japan</i> , 2022, 95, 73-103.	2.0	39
39	Strike-slip motion of a mega-splay fault system in the Nankai oblique subduction zone. <i>Earth, Planets and Space</i> , 2014, 66, 120.	0.9	38
40	Impact of interfacial tension on residual CO ₂ clusters in porous sandstone. <i>Water Resources Research</i> , 2015, 51, 1710-1722.	1.7	38
41	Microsecond simulation study on the replacement of methane in methane hydrate by carbon dioxide, nitrogen, and carbon dioxide-nitrogen mixtures. <i>Fuel</i> , 2020, 263, 116640.	3.4	35
42	Horizontal sliding of kilometre-scale hot spring area during the 2016 Kumamoto earthquake. <i>Scientific Reports</i> , 2017, 7, 42947.	1.6	31
43	Detection and mapping of soil liquefaction in the 2011 Tohoku earthquake using SAR interferometry. <i>Earth, Planets and Space</i> , 2012, 64, 1267-1276.	0.9	28
44	Temporal variation of the shallow subsurface at the Aquistore CO ₂ storage site associated with environmental influences using a continuous and controlled seismic source. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 2859-2872.	1.4	28
45	Internal Structure of a Seafloor Massive Sulfide Deposit by Electrical Resistivity Tomography, Okinawa Trough. <i>Geophysical Research Letters</i> , 2019, 46, 11025-11034.	1.5	28
46	Modern and ancient seismogenic out-of-sequence thrusts in the Nankai accretionary prism: Comparison of laboratory-derived physical properties and seismic reflection data. <i>Geophysical Research Letters</i> , 2006, 33, n/a-n/a.	1.5	27
47	A coupled LBM-DEM method for simulating the multiphase fluid-solid interaction problem. <i>Journal of Computational Physics</i> , 2022, 454, 110963.	1.9	27
48	Tunneling splittings in the S ₁ electronic states of symmetrically substituted 3,7-dichlorotropolone, 3,5,7-trichlorotropolone, and 3,7-dibromotropolone. <i>Journal of Chemical Physics</i> , 1994, 101, 3464-3471.	1.2	26
49	Punctuated growth of an accretionary prism and the onset of a seismogenic megathrust in the Nankai Trough. <i>Progress in Earth and Planetary Science</i> , 2018, 5, .	1.1	26
50	Pore Geometry Characterization by Persistent Homology Theory. <i>Water Resources Research</i> , 2018, 54, 4150-4163.	1.7	26
51	Widely distributed thrust and strike-slip faults within subducting oceanic crust in the Nankai Trough off the Kii Peninsula, Japan. <i>Tectonophysics</i> , 2013, 600, 52-62.	0.9	25
52	Characterization of hydrate and gas reservoirs in plate convergent margin by applying rock physics to high-resolution seismic velocity model. <i>Marine and Petroleum Geology</i> , 2018, 92, 719-732.	1.5	25
53	Impacts of COVID-19 on a Transitioning Energy System, Society, and International Cooperation. <i>Sustainability</i> , 2020, 12, 8232.	1.6	25
54	Natural surface rebound of the Bangkok plain and aquifer characterization by persistent scatterer interferometry. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 965-974.	1.0	24

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55	Temporal Variation and Frequency Dependence of Seismic Ambient Noise on Mars From Polarization Analysis. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087123.	1.5	24
56	Initiation of plate boundary slip in the Nankai Trough off the Muroto peninsula, southwest Japan. <i>Geophysical Research Letters</i> , 2005, 32, n/a-n/a.	1.5	23
57	Numerical investigations on the effect of initial state CO ₂ topology on capillary trapping efficiency. <i>International Journal of Greenhouse Gas Control</i> , 2016, 49, 179-191.	2.3	23
58	Characteristics of the horizontal component of Rayleigh waves in multimode analysis of surface waves. <i>Geophysics</i> , 2015, 80, EN1-EN11.	1.4	22
59	Spatial and temporal influence of rainfall on crustal pore pressure based on seismic velocity monitoring. <i>Earth, Planets and Space</i> , 2020, 72, .	0.9	22
60	Temporal change in seismic velocity associated with an offshore MW 5.9 Off-Mie earthquake in the Nankai subduction zone from ambient noise cross-correlation. <i>Progress in Earth and Planetary Science</i> , 2018, 5, .	1.1	21
61	Overpressured Underthrust Sediment in the Nankai Trough Forearc Inferred From Transdimensional Inversion of High-Frequency Teleseismic Waveforms. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088280.	1.5	21
62	Scale-independent relationship between permeability and resistivity in mated fractures with natural rough surfaces. <i>Geothermics</i> , 2021, 94, 102065.	1.5	21
63	In situ stress state from walkaround VSP anisotropy in the Kumano basin southeast of the Kii Peninsula, Japan. <i>Geochemistry, Geophysics, Geosystems</i> , 2011, 12, n/a-n/a.	1.0	20
64	Acceleration of computation speed for elastic wave simulation using a Graphic Processing Unit. <i>Exploration Geophysics</i> , 2011, 42, 98-104.	0.5	20
65	Misfit functionals in Laplace-Fourier domain waveform inversion, with application to wide-angle ocean bottom seismograph data. <i>Geophysical Prospecting</i> , 2014, 62, 1054-1074.	1.0	20
66	Evolution of hydraulic and elastic properties of reservoir rocks due to mineral precipitation in CO ₂ geological storage. <i>Computers and Geosciences</i> , 2019, 126, 84-95.	2.0	20
67	Geomechanical modeling for InSAR-derived surface deformation at steam-injection oil sand fields. <i>Journal of Petroleum Science and Engineering</i> , 2012, 96-97, 152-161.	2.1	19
68	Reservoir Characterization for site Selection in the Gundih CCS Project, Indonesia. <i>Energy Procedia</i> , 2014, 63, 6335-6343.	1.8	19
69	3D geometry of a plate boundary fault related to the 2016 Off-Mie earthquake in the Nankai subduction zone, Japan. <i>Earth and Planetary Science Letters</i> , 2017, 478, 234-244.	1.8	19
70	Electronic spectra of jet-cooled 3- and 4-chlorotropolones in the S1-S0 region. Inhibition of proton tunneling by asymmetric substitution. <i>Journal of Chemical Physics</i> , 1993, 98, 6571-6573.	1.2	18
71	Oceanic crust and Moho of the Pacific Plate in the eastern Ogasawara Plateau region. <i>Island Arc</i> , 2007, 16, 361-373.	0.5	18
72	Intraoceanic thrusts in the Nankai Trough off the Kii Peninsula: Implications for intraplate earthquakes. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	18

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73	Singular-value decomposition analysis of source illumination in seismic interferometry by multidimensional deconvolution. <i>Geophysics</i> , 2013, 78, Q25-Q34.	1.4	18
74	Advanced surface-wave analysis for 3D ocean bottom cable data to detect localized heterogeneity in shallow geological formation of a CO ₂ storage site. <i>International Journal of Greenhouse Gas Control</i> , 2015, 39, 107-118.	2.3	18
75	Influence of fluid displacement patterns on seismic velocity during supercritical CO ₂ injection: Simulation study for evaluation of the relationship between seismic velocity and CO ₂ saturation. <i>International Journal of Greenhouse Gas Control</i> , 2016, 46, 197-204.	2.3	18
76	Relating Hydraulicâ€“Electricalâ€“Elastic Properties of Natural Rock Fractures at Elevated Stress and Associated Transient Changes of Fracture Flow. <i>Rock Mechanics and Rock Engineering</i> , 2021, 54, 2145-2164.	2.6	17
77	Geological storage of CO ₂ â€“N ₂ â€“O ₂ mixtures produced by membraneâ€“based direct air capture (DAC)., 2021, 11, 610-618.		17
78	Electronic spectra of jetâ€“cooled 3â€“chlorotropolone. Proton tunneling in the S ₁ state. <i>Journal of Chemical Physics</i> , 1991, 95, 4802-4808.	1.2	16
79	Fluorescence Excitation and Hole-Burning Spectra of Jet-Cooled Tropoloneâ€“M (M = N ₂ , CO) van der Waals Complexes:â€“ Structures and Proton Tunneling in the S ₁ State. <i>Journal of Physical Chemistry A</i> , 1998, 102, 3880-3888.	1.1	16
80	Gas hydrate saturation and distribution in the Kumano Forearc Basin of the Nankai Trough. <i>Exploration Geophysics</i> , 2017, 48, 137-150.	0.5	16
81	Distributions of gas hydrate and free gas accumulations associated with upward fluid flow in the Sanriku-Oki forearc basin, northeast Japan. <i>Marine and Petroleum Geology</i> , 2020, 116, 104305.	1.5	16
82	Threeâ€“Dimensional <i>S</i> Wave Velocity Structure of Central Japan Estimated by Surfaceâ€“Wave Tomography Using Ambient Noise. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB019043.	1.4	16
83	Flow estimation solely from image data through persistent homology analysis. <i>Scientific Reports</i> , 2021, 11, 17948.	1.6	16
84	Global optimisation by simulated annealing for common reflection surface stacking and its application to low-fold marine data in southwest Japan. <i>Exploration Geophysics</i> , 2012, 43, 59-69.	0.5	15
85	Microscopic Origin of Strain Hardening in Methane Hydrate. <i>Scientific Reports</i> , 2016, 6, 23548.	1.6	15
86	Traffic Monitoring System Based on Deep Learning and Seismometer Data. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 4590.	1.3	15
87	Influence of pore space heterogeneity on mineral dissolution and permeability evolution investigated using lattice Boltzmann method. <i>Chemical Engineering Science</i> , 2022, 247, 117048.	1.9	15
88	Characteristics of a tsunamigenic megasplay fault in the Nankai Trough. <i>Geophysical Research Letters</i> , 2013, 40, 4594-4598.	1.5	14
89	New packer experiments and borehole logs in upper oceanic crust: Evidence for ridgeâ€“parallel consistency in crustal hydrogeological properties. <i>Geochemistry, Geophysics, Geosystems</i> , 2013, 14, 2900-2915.	1.0	14
90	Influence of faults and slumping on hydrocarbon migration inferred from 3D seismic attributes: Sanriku-Oki forearc basin, northeast Japan. <i>Marine and Petroleum Geology</i> , 2019, 99, 175-189.	1.5	14

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91	Mineral classification from quantitative X-ray maps using neural network: Application to volcanic rocks. <i>Island Arc</i> , 2010, 19, 105-119.	0.5	13
92	Using seismic noise derived from fluid injection well for continuous reservoir monitoring. <i>Interpretation</i> , 2016, 4, SQ1-SQ11.	0.5	13
93	Investigation of viscous coupling effects in three-phase flow by lattice Boltzmann direct simulation and machine learning technique. <i>Advances in Water Resources</i> , 2021, 147, 103797.	1.7	13
94	Continuous monitoring system for safe managements of CO2 storage and geothermal reservoirs. <i>Scientific Reports</i> , 2021, 11, 19120.	1.6	13
95	The study of heterogeneous two-phase flow around small-scale heterogeneity in porous sandstone by measured elastic wave velocities and lattice Boltzmann method simulation. <i>Journal of Geophysical Research: Solid Earth</i> , 2014, 119, 7564-7577.	1.4	12
96	Surface wave attenuation in the shallow subsurface from multichannel multishot seismic data: a new approach for detecting fractures and lithological discontinuities. <i>Earth, Planets and Space</i> , 2016, 68, .	0.9	12
97	Heterogeneous surface displacement pattern at the Hatchobaru geothermal field inferred from SAR interferometry time-series. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2016, 44, 95-103.	1.4	12
98	Ab Initio Molecular Dynamics Study of Carbonation and Hydrolysis Reactions on Cleaved Quartz (001) Surface. <i>Journal of Physical Chemistry C</i> , 2019, 123, 4938-4948.	1.5	12
99	Inferring fracture forming processes by characterizing fracture network patterns with persistent homology. <i>Computers and Geosciences</i> , 2020, 143, 104550.	2.0	12
100	Identification of a nascent tectonic boundary in the San-in area, southwest Japan, using a 3D S-wave velocity structure obtained by ambient noise surface wave tomography. <i>Earth, Planets and Space</i> , 2020, 72, .	0.9	12
101	Configuration Control for the Confinement Improvement in Heliotron J. <i>Fusion Science and Technology</i> , 2006, 50, 352-360.	0.6	11
102	Effect of Reservoir Heterogeneity of Haizume Formation, Nagaoka Pilot Site, Based on High-resolution Sedimentological Analysis. <i>Energy Procedia</i> , 2013, 37, 3546-3553.	1.8	11
103	Detection of Localized Surface Uplift by Differential SAR Interferometry at the Hangingstone Oil Sand Field, Alberta, Canada. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2013, 6, 2344-2354.	2.3	11
104	Migration of Very Long Period Seismicity at Aso Volcano, Japan, Associated With the 2016 Kumamoto Earthquake. <i>Geophysical Research Letters</i> , 2019, 46, 8763-8771.	1.5	11
105	Peatland subsidence and vegetation cover degradation as impacts of the 2015 El Niño event revealed by Sentinel-1A SAR data. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2020, 84, 101953.	1.4	11
106	High Fluid Pressure Patches Beneath the Dōcollement: A Potential Source of Slow Earthquakes in the Nankai Trough off Cape Muroto. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB021831.	1.4	11
107	Impact of the kinetic boundary condition on porous media flow in the lattice Boltzmann formulation. <i>Physical Review E</i> , 2017, 96, 013303.	0.8	10
108	Pore pressure and gas saturation distribution in the forearc basin of the Nankai subduction zone inferred from high-resolution Vp and Vs. <i>Journal of Petroleum Science and Engineering</i> , 2021, 205, 108911.	2.1	10

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109	Crosscorrelation of Earthquake Data Using Stationary Phase Evaluation: Insight into Reflection Structures of Oceanic Crust Surface in the Nankai Trough. <i>International Journal of Geophysics</i> , 2012, 2012, 1-8.	0.4	9
110	Lithology-controlled subsidence and seasonal aquifer response in the Bandung basin, Indonesia, observed by synthetic aperture radar interferometry. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2014, 32, 199-207.	1.4	9
111	Large Gas Reservoir Along the Rift Axis of a Continental Back-Arc Basin Revealed by Automated Seismic Velocity Analysis in the Okinawa Trough. <i>Geophysical Research Letters</i> , 2019, 46, 9583-9590.	1.5	9
112	Elastic Wave Velocity Changes Due to the Fracture Aperture and Density, and Direct Correlation With Permeability: An Energetic Approach to Mated Rock Fractures. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	1.4	9
113	Investigation of intramolecular hydrogen bonds in ortho-hydroxytropolone. <i>Journal of Chemical Physics</i> , 1999, 110, 966-971.	1.2	8
114	Difference in acoustic properties at seismogenic fault along a subduction interface: Application to estimation of effective pressure and fluid pressure ratio. <i>Tectonophysics</i> , 2013, 600, 134-141.	0.9	8
115	Development of surface-wave monitoring system for leaked CO2 using a continuous and controlled seismic source. <i>International Journal of Greenhouse Gas Control</i> , 2016, 45, 94-105.	2.3	8
116	Ground uplift related to permeability enhancement following the 2011 Tohoku earthquake in the Kanto Plain, Japan. <i>Earth, Planets and Space</i> , 2017, 69, .	0.9	8
117	Imaging and monitoring of the shallow subsurface using spatially windowed surface-wave analysis with a single permanent seismic source. <i>Geophysics</i> , 2018, 83, EN23-EN38.	1.4	8
118	Two-station continuous wavelet transform cross-coherence analysis for surface-wave tomography using active-source seismic data. <i>Geophysics</i> , 2020, 85, EN17-EN28.	1.4	8
119	Real-time crustal monitoring system of Japanese Islands based on spatio-temporal seismic velocity variation. <i>Earth, Planets and Space</i> , 2020, 72, .	0.9	8
120	Mapping the geological structures in the Ras El Ush field (Gulf of Suez, Egypt), based on seismic interpretation and 3D modeling techniques. <i>Journal of African Earth Sciences</i> , 2022, 193, 104596.	0.9	8
121	QP structure of the accretionary wedge in the Kumano Basin, Nankai Trough, Japan, revealed by long-offset walk-away VSP. <i>Earth, Planets and Space</i> , 2015, 67, 7.	0.9	7
122	Surface wave analysis for heterogeneous geological formations in geothermal fields: effect of wave propagation direction. <i>Exploration Geophysics</i> , 2019, 50, 255-268.	0.5	7
123	Ambient noise tomography for a high-resolution 3D S-wave velocity model of the Kinki Region, Southwestern Japan, using dense seismic array data. <i>Earth, Planets and Space</i> , 2022, 74, .	0.9	7
124	Potential Evaluation of CO2 Reservoir Using the Measured Petrophysical Parameter of Rock Samples in the Gundih CCS Project, Indonesia. <i>Energy Procedia</i> , 2014, 63, 4965-4970.	1.8	6
125	Preliminary Feasibility Study for On-Site Hydrogen Station with Distributed CO2 Capture and Storage System. <i>Energy Procedia</i> , 2014, 63, 4575-4584.	1.8	6
126	Hydraulic Properties of Closely Spaced Dipping Open Fractures Intersecting a Fluid-Filled Borehole Derived From Tube Wave Generation and Scattering. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 8003-8020.	1.4	6

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127	Methane Concentration in Mud Conduits of Submarine Mud Volcanoes: A Coupled Geochemical and Geophysical Approach. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 792-813.	1.0	6
128	Active Rifting Structures in Iheya Graben and Adjacent Area of the Mid-Okinawa Trough Observed Through Seismic Reflection Surveys. , 2015, , 361-368.		6
129	Seasonal and transient surface displacements in the Kumamoto area, Japan, associated with the 2016 Kumamoto earthquake: implications for seismic-induced groundwater level change. <i>Earth, Planets and Space</i> , 2020, 72, .	0.9	6
130	IODP Expedition 327 and <i>Atlantis&/i> Expedition AT 18-07: Observatories and Experiments on the Eastern Flank of the Juan de Fuca Ridge. <i>Scientific Drilling</i> , 0, 13, 4-11.	1.0	6
131	Temporal changes in anthropogenic seismic noise levels associated with economic and leisure activities during the COVID-19 pandemic. <i>Scientific Reports</i> , 2021, 11, 20439.	1.6	6
132	Relative Permeability Variation Depending on Viscosity Ratio and Capillary Number. <i>Water Resources Research</i> , 2022, 58, .	1.7	6
133	Application of seismic interferometry by multidimensional deconvolution to crosswell seismic reflection using singularâ€value decomposition. , 2009, , .		5
134	Study of the Nankai seismogenic fault using dynamic wave propagation modelling of digital rock from the Nobeoka Fault. <i>Exploration Geophysics</i> , 2018, 49, 11-20.	0.5	5
135	Data processing and interpretation schemes for a deep-towed high-frequency seismic system for gas and hydrate exploration. <i>Journal of Natural Gas Science and Engineering</i> , 2020, 83, 103573.	2.1	5
136	Characterizing coal seams hosted in Mmamabula Coalfield, central Botswana using pseudo-3D electrical resistivity imaging technique. <i>Journal of African Earth Sciences</i> , 2020, 167, 103866.	0.9	5
137	Influence of structure and pore pressure of plate interface on tectonic tremor in the Nankai subduction zone, Japan. <i>Earth and Planetary Science Letters</i> , 2021, 558, 116742.	1.8	5
138	Elucidation of pore connection mechanism during ductile fracture of sintered pure iron by applying persistent homology to 4D images of pores: Role of open pore. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 828, 142112.	2.6	5
139	Shearâ€wave imaging from traffic noise using seismic interferometry by crossâ€coherence. , 2011, , .		4
140	Azimuthal anisotropy of Rayleigh waves in the crust in southern Tohoku area, Japan. <i>Journal of Geophysical Research: Solid Earth</i> , 2014, 119, 8964-8975.	1.4	4
141	Time-lapse monitoring of shallow subsurface in the Aquistore CO ₂ storage site from surface-wave analysis using a continuous and controlled seismic source. , 2016, , .		4
142	Grid-search inversion based on rock physics model for estimation of pore geometry and grain elastic moduli: application to hydrothermal ore deposits and basalt. <i>Exploration Geophysics</i> , 2019, 50, 1-11.	0.5	4
143	Four-dimensional observation of ductile fracture in sintered iron using synchrotron X-ray laminography. <i>Powder Metallurgy</i> , 2019, 62, 146-154.	0.9	4
144	Pore Pressure Analysis for Distinguishing Earthquakes Induced by CO ₂ Injection from Natural Earthquakes. <i>Sustainability</i> , 2020, 12, 9723.	1.6	4

#	ARTICLE	IF	CITATIONS
145	Machine learning for automatic slump identification from 3D seismic data at convergent plate margins. <i>Marine and Petroleum Geology</i> , 2021, 133, 105290.	1.5	4
146	Mapping Aquifer Storage Properties Using S-Wave Velocity and InSAR-Derived Surface Displacement in the Kumamoto Area, Southwest Japan. <i>Remote Sensing</i> , 2021, 13, 4391.	1.8	4
147	Effects of vibrational excitation of target N ₂ molecule in charge transfer reaction of He ⁺ with N ₂ at thermal energy. <i>Journal of Chemical Physics</i> , 2001, 115, 6811-6814.	1.2	3
148	Dependence of Toroidal Current on Bumpy Field Component in Heliotron J. <i>Fusion Science and Technology</i> , 2007, 51, 122-128.	0.6	3
149	Estimation of detailed temperature distribution of sea water using seismic oceanography. <i>BUTSURI-TANSA(Geophysical Exploration)</i> , 2009, 62, 509-520.	0.0	3
150	Elastic Properties of Lunar Regolith from Vertical Seismic Profiling. , 2012, , .		3
151	Time-lapse seismic profiles derived from passive seismic interferometry in fluid-injection experiments. , 2015, , .		3
152	Geological characteristic and fault stability of the Gundih CCS pilot project at central Java, Indonesia. , 2015, , .		3
153	Pixel-based interferometric pair selection in InSAR time-series analysis with baseline criteria. <i>Remote Sensing Letters</i> , 2016, 7, 711-720.	0.6	3
154	Mathematical Modeling of Rock Pore Geometry and Mineralization: Applications of Persistent Homology and Random Walk. <i>Mathematics for Industry</i> , 2018, , 95-109.	0.4	3
155	Underground structures associated with horizontal sliding at Uchinomaki hot springs, Kyushu, Japan, during the 2016 Kumamoto earthquake. <i>Earth, Planets and Space</i> , 2019, 71, .	0.9	3
156	Lunar Active Seismic Profiler (LASP): Investigation of shallow regolith layer for resource exploration and base camp construction. , 2019, , .		3
157	Sound speed of thermohaline fine structure in the Kuroshio Current inferred from automatic sound speed analysis. <i>Exploration Geophysics</i> , 2020, 51, 581-590.	0.5	3
158	Spatial autocorrelation method for reliable measurements of two-station dispersion curves in heterogeneous ambient noise wavefields. <i>Geophysical Journal International</i> , 2021, 226, 1130-1147.	1.0	3
159	Accurate determination of the first arrival time of elastic wave traveled through rock sample by machine learning. <i>Journal of Applied Geophysics</i> , 2022, 203, 104688.	0.9	3
160	Borehole Geotechnical Testing Tool for Lunar Exploration. , 2012, , .		2
161	Interfacial Tension Effect on Cluster Size Distributions for Residual Trapping of CO ₂ in Sandstones. <i>Energy Procedia</i> , 2014, 63, 5483-5489.	1.8	2
162	Influence of Slip Flow at Fluid-solid Interface upon Permeability of Natural Rock. <i>Energy Procedia</i> , 2017, 114, 3572-3577.	1.8	2

#	ARTICLE	IF	CITATIONS
163	Robust Subsurface Monitoring Using a Continuous and Controlled Seismic Source. Energy Procedia, 2017, 114, 3956-3960.	1.8	2
164	Hydrologic and Elastic Properties of CO2 Injected Rock at Various Reservoir Conditions: Insights into Quantitative Monitoring of Injected CO2. Energy Procedia, 2017, 114, 4047-4055.	1.8	2
165	Surface-wave tomography for near-surface characterization with continuous-wavelet transform for two-station crosscorrelation. , 2018, , .		2
166	Mapping Surface Displacements and Aquifer Characteristics Around the Kumamoto Plain, Japan, Using Persistent Scatterer Interferometry. , 2019, , .		2
167	Continuous reservoir monitoring system based on permanent seismic source and distributed acoustic sensing. , 2020, , .		2
168	Characterization of near-surface heterogeneity by integrating surface-wave phase velocity and attenuation. , 2015, , .		2
169	Seismic-Derived Quality Factor for Lithology Classification around the Median Tectonic Line. Zairyo/Journal of the Society of Materials Science, Japan, 2014, 63, 250-257.	0.1	2
170	Multi-mode analysis of Spatial Auto Correlation (SPAC) method considering different correlation distance. BUTSURI-TANSA(Geophysical Exploration), 2011, 64, 127-138.	0.0	2
171	Site C0025. Proceedings of the International Ocean Discovery Program, 0, , .	0.0	2
172	Higher modes of surface waves in microtremor analysis. , 2010, , .		1
173	Singularâ€value decomposition analysis for seismic interferometry by multidimensional deconvolution. , 2011, , .		1
174	Recent surface displacement in bangkok, Thailand inferred from persistent scatterer SAR interferometry. , 2013, , .		1
175	Monitoring and characterization of land subsidence in the Bandung Basin, West Java, Indonesia, using SAR interferometry. , 2013, , .		1
176	Characterization of Fluid Behavior in 3D Digitalized Fracture Using Lattice Boltzmann Method: Evolution of Permeability by Shear Deformation and Its Representative Elementary Volume. Journal of MMIJ, 2018, 134, 60-66.	0.4	1
177	Thermal fluid migration in the Kumano forearc basin, Nankai Trough, estimated via vitrinite reflectance measurement. , 0, , .		1
178	Shear-wave velocity and splitting within the Nankai accretionary prism off the Kii Peninsula: Insight into effective-stress and pore-pressure distribution. , 2009, , .		1
179	Evaluation of Optimal Processing Parameters for Automatic Continuous Monitoring Using Ambient Noise. , 2019, , .		1
180	Vehicles detection based on their seismic surface waves using classification techniques. , 2021, , .		1

#	ARTICLE	IF	CITATIONS
199	Potential Tsunamigenic Faults of the 2011 Tohoku Earthquake in the Frontal Wedge. , 2011, , .		0
200	Evaluation of Vibration Characteristics at Improved Soft Ground by Surface Wave Method. , 2011, , .		0
201	Soil liquefaction at water front area associated with 2011 Tohoku earthquake; Insight from DInSAR analysis. , 2011, , .		0
202	The proposed inversion technique of remote sensing data for reservoir monitoring.. , 2011, , .		0
203	Waveform Tomography Imaging of Deep Crustal Faults - Application to Nankai Subduction Zone. , 2011, , .		0
204	Improved correlation analysis to detect liquefied area using multi-temporal SAR images —Application to the 2011 Tohoku Earthquake and the 2011 Christchurch Earthquake—. BUTSURI-TANSA(Geophysical Exploration), 2013, 66, 25-35.	0.0	0
205	Long offset walkaway and circle VSP in Nankai trough seismogenic zone. , 2013, , .		0
206	Characterization of hydrate and gas reservoirs off Sanriku area from highresolution seismic velocity model. , 2019, , .		0
207	Reflection mapping of oceanic thermohaline fine structure in the Kuroshio Current: Insights from automatic seismic velocity analysis. , 2019, , .		0
208	Multichannel analysis of surface waves with continuous wavelet transform for near surface applications. , 2020, , .		0
209	Mapping aquifer storage properties using S-wave velocity and InSAR measurements in the Kumamoto area, Japan. , 2021, , .		0
210	Three-dimensional S-wave velocity structure of the Kinki Region, southwestern Japan with ambient seismic noise tomography using a dense seismic array. , 2021, , .		0
211	Characterization and utilization of heterogeneous ambient noise field for imaging subsurface structure in the Itoshima Peninsula, Japan. , 2021, , .		0
212	Digital rock physics revealing the relationships between permeability, resistivity and elastic wave velocity of rock fractures. , 2021, , .		0
213	Miniature seismometer array system for Lunar underground structures investigation: Evaluation of its exploration depth based on Apollo seismometer data. BUTSURI-TANSA(Geophysical Exploration), 2021, 74, 79-91.	0.0	0
214	Digital rock approach for effective reservoir managements. Journal of the Japanese Association for Petroleum Technology, 2019, 84, 403-410.	0.0	0
215	Pore fabric anisotropy and elastic moduli of fault rocks from the Median Tectonic Line, Shikoku, southwest Japan. Tectonophysics, 2022, 834, 229366.	0.9	0
216	Spatial and temporal influence of sea level on inland stress based on seismic velocity monitoring. Earth, Planets and Space, 2022, 74, .	0.9	0