

# Tatsunori Ikeda

## List of Publications by Year in descending order

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Version: 2024-02-01

54  
papers

574  
citations

623734

14  
h-index

677142

22  
g-index

55  
all docs

55  
docs citations

55  
times ranked

545  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multimode inversion with amplitude response of surface waves in the spatial autocorrelation method. <i>Geophysical Journal International</i> , 2012, 190, 541-552.	2.4	53
2	Window-controlled CMP crosscorrelation analysis for surface waves in laterally heterogeneous media. <i>Geophysics</i> , 2013, 78, EN95-EN105.	2.6	48
3	Spatial and temporal seismic velocity changes on Kyushu Island during the 2016 Kumamoto earthquake. <i>Science Advances</i> , 2017, 3, e1700813.	10.3	48
4	Surface-wave analysis for identifying unfrozen zones in subglacial sediments. <i>Geophysics</i> , 2012, 77, EN17-EN27.	2.6	40
5	Temporal variation of the shallow subsurface at the Aquistore CO <sub>2</sub> 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.	3.4	28
6	Title is missing!. <i>Journal of Materials Science Letters</i> , 2003, 22, 229-233.	0.5	24
7	Temporal Variation and Frequency Dependence of Seismic Ambient Noise on Mars From Polarization Analysis. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087123.	4.0	24
8	Characteristics of the horizontal component of Rayleigh waves in multimode analysis of surface waves. <i>Geophysics</i> , 2015, 80, EN1-EN11.	2.6	22
9	Spatial and temporal influence of rainfall on crustal pore pressure based on seismic velocity monitoring. <i>Earth, Planets and Space</i> , 2020, 72, .	2.5	22
10	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, .	3.0	21
11	Evolution of hydraulic and elastic properties of reservoir rocks due to mineral precipitation in CO <sub>2</sub> geological storage. <i>Computers and Geosciences</i> , 2019, 126, 84-95.	4.2	20
12	Advanced surface-wave analysis for 3D ocean bottom cable data to detect localized heterogeneity in shallow geological formation of a CO <sub>2</sub> storage site. <i>International Journal of Greenhouse Gas Control</i> , 2015, 39, 107-118.	4.6	18
13	Application of Tritium Tracer Technique to Determination of Hydrogen Diffusion Coefficients and Permeation Rate near Room Temperature for Tungsten. <i>Fusion Science and Technology</i> , 2011, 60, 1463-1466.	1.1	17
14	Three-dimensional S Wave Velocity Structure of Central Japan Estimated by Surface-Wave Tomography Using Ambient Noise. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB019043.	3.4	16
15	Laboratory experiments on crater scaling law for sedimentary rocks in the strength regime. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	14
16	Using seismic noise derived from fluid injection well for continuous reservoir monitoring. <i>Interpretation</i> , 2016, 4, SQ1-SQ11.	1.1	13
17	Continuous monitoring system for safe managements of CO <sub>2</sub> storage and geothermal reservoirs. <i>Scientific Reports</i> , 2021, 11, 19120.	3.3	13
18	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, .	2.5	12

#	ARTICLE	IF	CITATIONS
19	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, .	2.5	12
20	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, .	3.4	9
21	Development of surface-wave monitoring system for leaked CO <sub>2</sub> using a continuous and controlled seismic source. <i>International Journal of Greenhouse Gas Control</i> , 2016, 45, 94-105.	4.6	8
22	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.	2.6	8
23	Two-station continuous wavelet transform cross-coherence analysis for surface-wave tomography using active-source seismic data. <i>Geophysics</i> , 2020, 85, EN17-EN28.	2.6	8
24	Real-time crustal monitoring system of Japanese Islands based on spatio-temporal seismic velocity variation. <i>Earth, Planets and Space</i> , 2020, 72, .	2.5	8
25	Surface wave analysis for heterogeneous geological formations in geothermal fields: effect of wave propagation direction. <i>Exploration Geophysics</i> , 2019, 50, 255-268.	1.1	7
26	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, .	2.5	7
27	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.	3.3	6
28	Investigations of the radial propagation of blob-like structure in a non-confined electron cyclotron resonance heated plasma on Q-shu University Experiment with a Steady-State Spherical Tokamak. <i>Physics of Plasmas</i> , 2011, 18, 092306.	1.9	5
29	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.	1.1	5
30	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.	3.4	4
31	Time-lapse monitoring of shallow subsurface in the Aquistore CO <sub>2</sub> storage site from surface-wave analysis using a continuous and controlled seismic source. , 2016, , .		4
32	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.	1.1	4
33	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.	4.0	4
34	Elastic-plastic analysis of crack in adhesive joint by combination of boundary element and finite element methods. <i>Computational Mechanics</i> , 1998, 21, 533-539.	4.0	3
35	Time-lapse seismic profiles derived from passive seismic interferometry in fluid-injection experiments. , 2015, , .		3
36	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, .	2.5	3

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37	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.	2.4	3
38	Robust Subsurface Monitoring Using a Continuous and Controlled Seismic Source. <i>Energy Procedia</i> , 2017, 114, 3956-3960.	1.8	2
39	Continuous reservoir monitoring system based on permanent seismic source and distributed acoustic sensing. , 2020, , .		2
40	Multi-mode analysis of Spatial Auto Correlation (SPAC) method considering different correlation distance. <i>BUTSURI-TANSA(Geophysical Exploration)</i> , 2011, 64, 127-138.	0.0	2
41	Dynamic stress intensity factors analysis of interface crack using line-spring model. <i>International Journal of Fracture</i> , 1996, 79, 393-402.	2.2	1
42	Higher modes of surface waves in microtremor analysis. , 2010, , .		1
43	Application of Tritium Tracer Technique to Determination of Hydrogen Diffusion Coefficients and Permeation Rate Near Room Temperature for Tungsten. <i>Fusion Science and Technology</i> , 2011, 60, 1463-1466.	1.1	1
44	Evaluation of Optimal Processing Parameters for Automatic Continuous Monitoring Using Ambient Noise. , 2019, , .		1
45	Tensile Testing of Single Crystal Silicon Thin Films at 800Å°C using IR Heating. , 2007, , .		0
46	Shallow characterization and monitoring of the Aquistore CO <sub>2</sub> storage site from spatially windowed surface-wave analysis with a permanent seismic source. , 2017, , .		0
47	Surface wave analysis using active-source multi-channel seismic data in the Median Tectonic Line (MTL): Comparison of S-wave velocity along the MTL. , 2019, , .		0
48	Permanent monitoring system using continuous and controlled seismic source: Monitoring of dynamic behaviors from smaller reservoir to larger crust. , 2020, , .		0
49	Evaluation of Vibration Characteristics at Improved Soft Ground by Surface Wave Method. , 2011, , .		0
50	Three-dimensional S-wave velocity structure of the Kinki Region, southwestern Japan with ambient seismic noise tomography using a dense seismic array. , 2021, , .		0
51	Characterization and utilization of heterogeneous ambient noise field for imaging subsurface structure in the Itoshima Peninsula, Japan. , 2021, , .		0
52	Miniature seismometer array system for Lunar underground structures investigation: Evaluation of its exploration depth based on Apollo seismometer data. <i>BUTSURI-TANSA(Geophysical Exploration)</i> , 2021, 74, 79-91.	0.0	0
53	Pore fabric anisotropy and elastic moduli of fault rocks from the Median Tectonic Line, Shikoku, southwest Japan. <i>Tectonophysics</i> , 2022, 834, 229366.	2.2	0
54	Spatial and temporal influence of sea level on inland stress based on seismic velocity monitoring. <i>Earth, Planets and Space</i> , 2022, 74, .	2.5	0