

Takeshi Nishimura

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

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430874

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43
times ranked

820
citing authors

#	ARTICLE	IF	CITATIONS
1	Classification of volcanic tremors and earthquakes based on seismic correlation: application at Sakurajima volcano, Japan. <i>Geophysical Journal International</i> , 2022, 229, 1077-1097.	2.4	9
2	High resolution location of deep low-frequency tremors beneath the Kii Peninsula, Nankai subduction zone, Japan, using data from a dense seismic array. <i>Geophysical Journal International</i> , 2021, 225, 775-788.	2.4	3
3	Source location of volcanic earthquakes and subsurface characterization using fiber-optic cable and distributed acoustic sensing system. <i>Scientific Reports</i> , 2021, 11, 6319.	3.3	36
4	Extending the formulation of the spatial autocorrelation (SPAC) method to strain, rotation and tilt. <i>Geophysical Journal International</i> , 2021, 227, 287-302.	2.4	5
5	Volcanic eruptions are triggered in static dilatational strain fields generated by large earthquakes. <i>Scientific Reports</i> , 2021, 11, 17235.	3.3	4
6	Scattering strength at active volcanoes in Japan as inferred from the peak ratio analysis of teleseismic P waves. <i>Earth, Planets and Space</i> , 2021, 73, .	2.5	0
7	Seismic source migration during Strombolian eruptions inferred by very near-field broadband seismic network. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB022623.	3.4	2
8	Noise-based passive ballistic wave seismic monitoring on an active volcano. <i>Geophysical Journal International</i> , 2020, 220, 501-507.	2.4	13
9	Locating Spatial Changes of Seismic Scattering Property by Sparse Modeling of Seismic Ambient Noise Cross-Correlation Functions: Application to the 2008 Iwate-Miyagi Nairiku (<i>M_w</i> 6.9), Japan, Earthquake. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB019307.	3.4	10
10	Spectral ratio analyses of explosion earthquakes at Sakurajima Volcano, Japan. <i>Journal of Volcanology and Geothermal Research</i> , 2019, 381, 302-311.	2.1	5
11	Sensitivity of Seismic Velocity Changes to the Tidal Strain at Different Lapse Times: Data Analyses of a Small Seismic Array at Izu-Oshima Volcano. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 3011-3023.	3.4	12
12	A Passive Estimation Method of Scattering and Intrinsic Absorption Parameters From Envelopes of Seismic Ambient Noise Cross-Correlation Functions. <i>Geophysical Research Letters</i> , 2019, 46, 3634-3642.	4.0	15
13	Reliability evaluation of volcanic tremor source location determination using cross-correlation functions. <i>Geophysical Journal International</i> , 2019, .	2.4	3
14	Azimuth Estimations From a Small Aperture Infrasonic Array: Test Observations at Stromboli Volcano, Italy. <i>Geophysical Research Letters</i> , 2018, 45, 8931-8938.	4.0	12
15	Interaction Between Moderate Earthquakes and Volcanic Eruptions: Analyses of Global Data Catalog. <i>Geophysical Research Letters</i> , 2018, 45, 8199-8204.	4.0	3
16	Volcanic eruption volume flux estimations from very long period infrasound signals. <i>Geophysical Research Letters</i> , 2017, 44, 143-151.	4.0	11
17	Combined use of repeated active shots and ambient noise to detect temporal changes in seismic velocity: application to Sakurajima volcano, Japan. <i>Earth, Planets and Space</i> , 2017, 69, .	2.5	13
18	Seismic velocity changes concentrated at the shallow structure as inferred from correlation analyses of ambient noise during volcano deformation at Izu-Oshima, Japan. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 6721-6736.	3.4	22

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19	Triggering of volcanic eruptions by large earthquakes. <i>Geophysical Research Letters</i> , 2017, 44, 7750-7756.	4.0	41
20	Magnitude–frequency distribution of volcanic explosion earthquakes. <i>Earth, Planets and Space</i> , 2016, 68, .	2.5	16
21	Tracking dynamics of magma migration in open-conduit systems. <i>Bulletin of Volcanology</i> , 2016, 78, 1.	3.0	42
22	Initial phases of explosion earthquakes accompanying Vulcanian eruptions at Lokon-Empung volcano, Indonesia. <i>Journal of Volcanology and Geothermal Research</i> , 2016, 327, 310-321.	2.1	14
23	Numerical investigation of temporal changes in volcanic deformation caused by a gas slug ascent in the conduit. <i>Journal of Volcanology and Geothermal Research</i> , 2015, 302, 1-10.	2.1	10
24	Characterization of the luminance and shape of ash particles at Sakurajima volcano, Japan, using CCD camera images. <i>Bulletin of Volcanology</i> , 2015, 77, 1.	3.0	21
25	Seismic velocity changes caused by the Earth tide: Ambient noise correlation analyses of small-array data. <i>Geophysical Research Letters</i> , 2014, 41, 6131-6136.	4.0	33
26	Mechanism of small vulcanian eruptions at Suwanosejima volcano, Japan, as inferred from precursor inflations and tremor signals. <i>Bulletin of Volcanology</i> , 2013, 75, 1.	3.0	11
27	Development of an automatic volcanic ash sampling apparatus for active volcanoes. <i>Bulletin of Volcanology</i> , 2013, 75, 1.	3.0	15
28	Volcano inflation prior to an eruption: Numerical simulations based on a 1-D magma flow model in an open conduit. <i>Earth, Planets and Space</i> , 2013, 65, 1477-1489.	2.5	4
29	Spatio-temporal changes in seismic velocity associated with the 2000 activity of Miyakejima volcano as inferred from cross-correlation analyses of ambient noise. <i>Journal of Volcanology and Geothermal Research</i> , 2012, 247-248, 93-107.	2.1	34
30	Inflations prior to Vulcanian eruptions and gas bursts detected by tilt observations at Semeru Volcano, Indonesia. <i>Bulletin of Volcanology</i> , 2012, 74, 903-911.	3.0	26
31	Methods for Eruption Prediction and Hazard Evaluation at Indonesian Volcanoes. <i>Journal of Disaster Research</i> , 2012, 7, 26-36.	0.7	28
32	Envelope synthesis of short-period seismograms in 3-D random media for a point shear dislocation source based on the forward scattering approximation: Application to small strike-slip earthquakes in southwestern Japan. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	19
33	Seismicity and magma supply rate of the 1998 failed eruption at Iwate volcano, Japan. <i>Bulletin of Volcanology</i> , 2011, 73, 133-142.	3.0	10
34	Synthesis of vector wave envelopes on the free surface of a random medium for the vertical incidence of a plane wavelet based on the Markov approximation. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	21
35	Ground deformation caused by magma ascent in an open conduit. <i>Journal of Volcanology and Geothermal Research</i> , 2009, 187, 178-192.	2.1	30
36	Synthesis of coda wave envelopes in randomly inhomogeneous elastic media in a half-space: single scattering model including Rayleigh waves. <i>Geophysical Journal International</i> , 2008, 172, 130-154.	2.4	32

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37	Ground deformation due to magma ascent with and without degassing. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	15
38	Temporal change in site response caused by earthquake strong motion as revealed from coda spectral ratio measurement. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	60
39	Bubble growth processes in magma surrounded by an elastic medium. <i>Journal of Volcanology and Geothermal Research</i> , 2006, 155, 307-322.	2.1	41
40	Temporal changes in seismic velocity of the crust around Iwate volcano, Japan, as inferred from analyses of repeated active seismic experiment data from 1998 to 2003. <i>Earth, Planets and Space</i> , 2005, 57, 491-505.	2.5	54
41	Pressure recovery in magma due to bubble growth. <i>Geophysical Research Letters</i> , 2004, 31, n/a-n/a.	4.0	47
42	Scaling law of volcanic explosion earthquake. <i>Geophysical Research Letters</i> , 1993, 20, 2479-2482.	4.0	41