Jun Nakajima

List of Publications by Year
in descending order

97 papers	5,445 citations	61857 43 h-index	85405 71 g-index
98 all docs	98 docs citations	98 times ranked	3051 citing authors

#	Article	IF	Citations
1	Prevalence of Shallow Lowâ€Frequency Earthquakes in the Continental Crust. Journal of Geophysical Research: Solid Earth, 2021, 126, e2020JB021391.	1.4	11
2	Depth Dependent Focal Mechanisms of Volcanic Deep Lowâ€Frequency Earthquakes in Northeast Japan. Journal of Geophysical Research: Solid Earth, 2021, 126, e2021JB022666.	1.4	6
3	Stagnant forearc mantle wedge inferred from mapping of shear-wave anisotropy using S-net seafloor seismometers. Nature Communications, 2020, 11, 5676.	5.8	27
4	Seismic Constraint on the Fluidâ€Bearing Systems Feeding Hakone Volcano, Central Japan. Journal of Geophysical Research: Solid Earth, 2020, 125, e2020JB020341.	1.4	6
5	Revisiting Intraslab Earthquakes Beneath Kyushu, Japan: Effect of Ridge Subduction on Seismogenesis. Journal of Geophysical Research: Solid Earth, 2019, 124, 8660-8678.	1.4	5
6	Focal Mechanisms of Deep Lowâ€Frequency Earthquakes Beneath Zao Volcano, Northeast Japan, and Relationship to the 2011 Tohoku Earthquake. Geophysical Research Letters, 2019, 46, 7361-7370.	1.5	10
7	Threeâ€Dimensional Seismic Attenuation Structure of Central Japan and Deep Sources of Arc Magmatism. Geophysical Research Letters, 2019, 46, 13746-13755.	1.5	7
8	Repeated drainage from megathrusts during episodic slow slip. Nature Geoscience, 2018, 11, 351-356.	5.4	77
9	P-wave attenuation in the Pacific slab beneath northeastern Japan revealed by the spectral ratio of intraslab earthquakes. Earth and Planetary Science Letters, 2018, 489, 37-48.	1.8	6
10	Isolated intermediate-depth seismicity north of the Izu peninsula, Japan: implications for subduction of the Philippine Sea Plate. Earth, Planets and Space, 2018, 70, .	0.9	2
11	Depth variations in seismic velocity in the subducting crust: Evidence for fluidâ€related embrittlement for intermediateâ€depth earthquakes. Geophysical Research Letters, 2017, 44, 810-817.	1.5	32
12	Seismic imaging of slab metamorphism and genesis of intermediate-depth intraslab earthquakes. Progress in Earth and Planetary Science, 2017, 4, .	1.1	60
13	Anelastic properties beneath the Niigataâ€“Kobe Tectonic Zone, Japan. Earth, Planets and Space, 2017, 69, .	0.9	11
14	Variation in high-frequency wave radiation from small repeating earthquakes as revealed by cross-spectral analysis. Geophysical Journal International, 2016, 207, 1030-1048.	1.0	4
15	Tremor activity inhibited by well-drained conditions above a megathrust. Nature Communications, 2016, 7, 13863.	5.8	47
16	Special issue â€˜Geofluid processes in subduction zones and mantle dynamicsâ€™. Earth, Planets and Space, 2015, 67, .	0.9	8
17	The weakened lower crust beneath the Nobi fault system, Japan: Implications for stress accumulation to the seismogenic zone. Tectonophysics, 2015, 655, 147-160.	0.9	3
18	Mantle wedge flow pattern and thermal structure in Northeast Japan: Effects of oblique subduction and 3-D slab geometry. Earth and Planetary Science Letters, 2015, 426, 76-88.	1.8	48

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19	Slabâ€derived fluids, foreâ€arc hydration, and subâ€arc magmatism beneath Kyushu, Japan. Geophysical Research Letters, 2015, 42, 1685-1693.	1.5	26
20	Elastic wave velocity anomalies of anorthite in a subducting plate: In situ experiments. American Mineralogist, 2015, 100, 1856-1865.	0.9	4
21	Evolution of late Cenozoic magmatism and the crustâ€“mantle structure in the NE Japan Arc. Geological Society Special Publication, 2014, 385, 335-387.	0.8	58
22	Seismic velocity structure in and around the Naruko volcano, NE Japan, and its implications for volcanic and seismic activities. Earth, Planets and Space, 2014, 66, 114.	0.9	23
23	Guided wave observations and evidence for the low-velocity subducting crust beneath Hokkaido, northern Japan. Earth, Planets and Space, 2014, 66, .	0.9	9
24	Behaviour of subducted water and its role in magma genesis in the NE Japan arc: A combined geophysical and geochemical approach. Geochimica Et Cosmochimica Acta, 2014, 143, 165-188.	1.6	50
25	Seismic attenuation beneath Kanto, Japan: evidence for high attenuation in the serpentinized subducting mantle. Earth, Planets and Space, 2014, 66, .	0.9	21
26	Diverse magmatic effects of subducting a hot slab in SW Japan: Results from forward modeling. Geochemistry, Geophysics, Geosystems, 2014, 15, 691-739.	1.0	78
27	Detailed seismic attenuation structure beneath Hokkaido, northeastern Japan: Arcâ€arc collision process, arc magmatism, and seismotectonics. Journal of Geophysical Research: Solid Earth, 2014, 119, 6486-6511.	1.4	44
28	Spatial variations in 3He/4He ratios along a high strain rate zone, central Japan. Journal of Asian Earth Sciences, 2013, 73, 95-102.	1.0	3
29	Two-dimensional thermal modeling of subduction of the Philippine Sea plate beneath southwest Japan. Tectonophysics, 2013, 608, 1094-1108.	0.9	23
30	Thermalâ€“petrological controls on the location of earthquakes within subducting plates. Earth and Planetary Science Letters, 2013, 369-370, 178-187.	1.8	145
31	Complex slab structure and arc magmatism beneath the Japanese Islands. Journal of Asian Earth Sciences, 2013, 78, 277-290.	1.0	26
32	Intermediate-depth earthquakes facilitated by eclogitization-related stresses. Geology, 2013, 41, 659-662.	2.0	38
33	Seismic attenuation beneath northeastern Japan: Constraints on mantle dynamics and arc magmatism. Journal of Geophysical Research: Solid Earth, 2013, 118, 5838-5855.	1.4	79
34	Seismic evidence for high pore pressures in the oceanic crust: Implications for fluidâ€related embrittlement. Geophysical Research Letters, 2013, 40, 2006-2010.	1.5	47
35	An intraslab seismic sequence activated by the 2011 Tohokuâ€oki earthquake: Evidence for fluidâ€related embrittlement. Journal of Geophysical Research: Solid Earth, 2013, 118, 3492-3505.	1.4	13
36	Thermal structure and intermediate-depth seismicity in the Tohoku-Hokkaido subduction zones. Solid Earth, 2012, 3, 355-364.	1.2	36

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37	Highâ€resolution seismic velocity structure beneath the Hokkaido corner, northern Japan: Arcâ€arc collision and origins of the 1970 M 6.7 Hidaka and 1982 M 7.1 Urakawaâ€oki earthquakes. Journal of Geophysical Research, 2012, 117, .	3.3	42
38	Geodetic constraints on afterslip characteristics following the March 9, 2011, Sanrikuâ€oki earthquake, Japan. Geophysical Research Letters, 2012, 39, .	1.5	68
39	A threeâ€dimensional seismic wave speed model in southwestern Japan from combined use of waveform modeling and travelâ€time tomography. Journal of Geophysical Research, 2012, 117, .	3.3	0
40	Autocorrelation analysis of ambient noise in northeastern Japan subduction zone. Tectonophysics, 2012, 572-573, 38-46.	0.9	14
41	Lateral variation of the cutoff depth of shallow earthquakes beneath the Japan Islands and its implications for seismogenesis. Tectonophysics, 2012, 518-521, 93-105.	0.9	62
42	Anomalous depth dependency of the stress field in the 2007 Noto Hanto, Japan, earthquake: Potential involvement of a deep fluid reservoir. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	18
43	Seismic evidence for reactivation of a buried hydrated fault in the Pacific slab by the 2011 M9.0 Tohoku earthquake. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	42
44	Stress regime in the Philippine Sea slab beneath Kanto, Japan. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	9
45	Shallow inland earthquakes in NE Japan possibly triggered by the 2011 off the Pacific coast of Tohoku Earthquake. Earth, Planets and Space, 2011, 63, 749-754.	0.9	47
46	Existence of interplane earthquakes and neutral stress boundary between the upper and lower planes of the double seismic zone beneath Tohoku and Hokkaido, northeastern Japan. Tectonophysics, 2010, 496, 68-82.	0.9	69
47	Deep crustal structure around the Atotsugawa fault system, central Japan: A weak zone below the seismogenic zone and its role in earthquake generation. Earth, Planets and Space, 2010, 62, 555-566.	0.9	18
48	Cause of M â‰¼ 7 intraslab earthquakes beneath the Tokyo metropolitan area, Japan: Possible evidence for a vertical tear at the easternmost portion of the Philippine Sea slab. Journal of Geophysical Research, 2010, 115, .	3.3	19
49	Subduction of a wedgeâ€shaped Philippine Sea plate beneath Kanto, central Japan, estimated from converted waves and small repeating earthquakes. Journal of Geophysical Research, 2010, 115, .	3.3	31
50	Earthquakes and plastic deformation of anhydrous slab mantle in double Wadatiâ€Benioff zones. Geophysical Research Letters, 2010, 37, .	1.5	48
51	Anomalous deepening of a seismic belt in the upper-plane of the double seismic zone in the Pacific slab beneath the Hokkaido corner: Possible evidence for thermal shielding caused by subducted forearc crust materials. Earth and Planetary Science Letters, 2010, 290, 415-426.	1.8	133
52	Tomographic imaging of hydrated crust and mantle in the subducting Pacific slab beneath Hokkaido, Japan: Evidence for dehydration embrittlement as a cause of intraslab earthquakes. Gondwana Research, 2009, 16, 470-481.	3.0	81
53	Plate subduction, and generation of earthquakes and magmas in Japan as inferred from seismic observations: An overview. Gondwana Research, 2009, 16, 370-400.	3.0	111
54	Izu-Bonin arc subduction under the Honshu island, Japan: Evidence from geological and seismological aspect. Gondwana Research, 2009, 16, 572-580.	3.0	43

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55	What controls interplate coupling?: Evidence for abrupt change in coupling across a border between two overlying plates in the NE Japan subduction zone. Earth and Planetary Science Letters, 2009, 283, 111-121.	1.8	105
56	Tracing extinct spreading center in SW Japan by helium-3 emanation. Chemical Geology, 2009, 266, 50-56.	1.4	22
57	Three-dimensional seismic velocity structure of the crust beneath the central Tien Shan, Kyrgyzstan: Implications for large- and small-scale mountain building. Tectonophysics, 2009, 465, 30-44.	0.9	45
58	Correction to ?Three?dimensional seismic velocity structure and configuration of the Philippine Sea slab in southwestern Japan estimated by double?difference tomography?. Journal of Geophysical Research, 2009, 114, .	3.3	0
59	Seismotectonics beneath the Tokyo metropolitan area, Japan: Effect of slabâ€slab contact and overlap on seismicity. Journal of Geophysical Research, 2009, 114, .	3.3	163
60	Seismic evidence for thermallyâ€controlled dehydration reaction in subducting oceanic crust. Geophysical Research Letters, 2009, 36, .	1.5	78
61	Threeâ€dimensional seismic velocity structure and configuration of the Philippine Sea slab in southwestern Japan estimated by doubleâ€difference tomography. Journal of Geophysical Research, 2008, 113, .	3.3	245
62	Reply to the comment on â€œTomographic evidence for the mantle upwelling beneath southwestern Japan and its implications for arc magmatismâ€•by H. Mashima. Earth and Planetary Science Letters, 2008, 265, 322-323.	1.8	0
63	Regionality of deep low-frequency earthquakes associated with subduction of the Philippine Sea plate along the Nankai Trough, southwest Japan. Earth and Planetary Science Letters, 2008, 272, 189-198.	1.8	44
64	Tomographic evidence for hydrated oceanic crust of the Pacific slab beneath northeastern Japan: Implications for water transportation in subduction zones. Geophysical Research Letters, 2008, 35, .	1.5	109
65	Simultaneous high Pâ€T measurements of ultrasonic compressional and shear wave velocities in Ichinoâ€megata mafic xenoliths: Their bearings on seismic velocity perturbations in lower crust of northeast Japan arc. Journal of Geophysical Research, 2008, 113, .	3.3	46
66	Existence of low-velocity zones under the source areas of the 2004 Chuetsu and 2007 Chuetsu-oki earthquakes inferred from travel-time tomography. Earth, Planets and Space, 2008, 60, 1127-1130.	0.9	20
67	Geographical distribution of 3He/4He ratios and seismic tomography in Japan. Geochemical Journal, 2008, 42, 51-60.	0.5	50
68	Tomographic evidence for the mantle upwelling beneath southwestern Japan and its implications for arc magmatism. Earth and Planetary Science Letters, 2007, 254, 90-105.	1.8	79
69	High-resolution aftershock observations in the source region of the 2004 mid-Niigata Prefecture Earthquake. Earth, Planets and Space, 2007, 59, 923-928.	0.9	12
70	Subduction of the Philippine Sea plate beneath southwestern Japan: Slab geometry and its relationship to arc magmatism. Journal of Geophysical Research, 2007, 112, .	3.3	187
71	Anomalous deepening of a belt of intraslab earthquakes in the Pacific slab crust under Kanto, central Japan: Possible anomalous thermal shielding, dehydration reactions, and seismicity caused by shallower cold slab material. Geophysical Research Letters, 2007, 34, .	1.5	44
72	Mapping the crustal structure under active volcanoes in central Tohoku, Japan using P and PmP data. Geophysical Research Letters, 2007, 34, .	1.5	40

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73	Development of a 4 Gbps Multifunctional Very Long Baseline Interferometry Data Acquisition System. Publications of the Astronomical Society of the Pacific, 2006, 118, 1739-1748.	1.0	4
74	Shear-wave splitting beneath the southwestern Kurile arc and northeastern Japan arc: A new insight into mantle return flow. Geophysical Research Letters, 2006, 33, .	1.5	83
75	Anomalous low-velocity zone and linear alignment of seismicity along it in the subducted Pacific slab beneath Kanto, Japan: Reactivation of subducted fracture zone?. Geophysical Research Letters, 2006, 33, .	1.5	144
76	Existence of a seismic belt in the upper plane of the double seismic zone extending in the along-arc direction at depths of 70â€“100 km beneath NE Japan. Geophysical Research Letters, 2006, 33, .	1.5	131
77	Crustal heterogeneity around the Nagamachi-Rifu fault, northeastern Japan, as inferred from travel-time tomography. Earth, Planets and Space, 2006, 58, 843-853.	0.9	24
78	Revisiting the three M~7 Miyagi-oki earthquakes in the 1930s: possible seismogenic slip on asperities that were re-ruptured during the 1978 M=7.4 Miyagi-oki earthquake. Earth, Planets and Space, 2006, 58, 1587-1592.	0.9	41
79	Aftershock distribution and 3D seismic velocity structure in and around the focal area of the 2004 mid Niigata prefecture earthquake obtained by applying double-difference tomography to dense temporary seismic network data. Earth, Planets and Space, 2005, 57, 435-440.	0.9	44
80	Three-dimensional structure of Vp, Vs and Vp/Vs in the upper crust of the Marmara region, NW Turkey. Earth, Planets and Space, 2005, 57, 1019-1038.	0.9	34
81	Quantitative analysis of the inclined low-velocity zone in the mantle wedge of northeastern Japan: A systematic change of melt-filled pore shapes with depth and its implications for melt migration. Earth and Planetary Science Letters, 2005, 234, 59-70.	1.8	89
82	Deep structure of the northeastern Japan arc and its implications for crustal deformation and shallow seismic activity. Tectonophysics, 2005, 403, 59-75.	0.9	157
83	Inhomogeneous crustal structure beneath northern Miyagi prefecture, northeastern Japan, imaged by coda envelope inversion: Implication for fluid distribution. Geophysical Research Letters, 2004, 31, .	1.5	11
84	Shear-wave polarization anisotropy and subduction-induced flow in the mantle wedge of northeastern Japan. Earth and Planetary Science Letters, 2004, 225, 365-377.	1.8	460
85	Geophysical constraints on slab subduction and arc magmatism. Geophysical Monograph Series, 2004, , 81-93.	0.1	53
86	Tomographic imaging of seismic velocity structure in and around the Onikobe volcanic area, northeastern Japan: implications for fluid distribution. Journal of Volcanology and Geothermal Research, 2003, 127, 1-18.	0.8	86
87	Estimation of thermal structure in the mantle wedge of northeastern Japan from seismic attenuation data. Geophysical Research Letters, 2003, 30, .	1.5	63
88	Hypocenter and focal mechanism distributions of aftershocks of July 26 2003 M6.4 northern Miyagi, NE Japan, earthquake revealed by temporary seismic observation. Earth, Planets and Space, 2003, 55, 719-730.	0.9	23
89	VLBI Observations of Water Masers in the Circumstellar Envelope of IRC$ +$60169. Publication of the Astronomical Society of Japan, 2002, 54, 757-764.	1.0	4
90	Moho depth variation in the central part of northeastern Japan estimated from reflected and converted waves. Physics of the Earth and Planetary Interiors, 2002, 130, 31-47.	0.7	59

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91	Source and path of magma for volcanoes in the subduction zone of northeastern Japan. Geophysical Research Letters, 2001, 28, 1819-1822.	1.5	66
92	Three-dimensional structure ofVp,Vs, andVp/Vsbeneath northeastern Japan: Implications for arc magmatism and fluids. Journal of Geophysical Research, 2001, 106, 21843-21857.	3.3	356
93	Seismic imaging of arc magma and fluids under the central part of northeastern Japan. Tectonophysics, 2001, 341, 1-17.	0.9	82
94	Astrometric VLBI Observation of PSR 0329+54. Publication of the Astronomical Society of Japan, 1999, 51, 595-601.	1.0	7
95	Pulsar VLBI experiment with the Kashima (Japan)â€“Kalyazin (Russia) baseline. New Astronomy Reviews, 1999, 43, 599-602.	5.2	4
96	Observation of short-term variation of Jupiter's synchrotron radiation. Geophysical Research Letters, 1999, 26, 9-12.	1.5	36
97	Overview and Initial Results of the Very Long Baseline Interferometry Space Observatory Programme. , 1998, 281, 1825-1829.		147