

Koichiro Obana

List of Publications by Year in descending order

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papers

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citations

304743

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71
docs citations

71
times ranked

1049
citing authors

#	ARTICLE	IF	CITATIONS
1	Extraction of <i>P</i> -Wave From Ambient Seafloor Noise Observed by Distributed Acoustic Sensing. Geophysical Research Letters, 2022, 49, .	4.0	6
2	Trans-dimensional imaging of the random inhomogeneity structure in the southern Ryukyu arc, Japan. Geophysical Journal International, 2022, 229, 1392-1407.	2.4	1
3	High-Resolution Density Seismic Refraction Imaging of Plate Boundary Structures in the Slow Earthquake Gap Zone off Western Kii Peninsula, Nankai Trough. Geophysical Research Letters, 2021, 48, e2020GL089132.	4.0	4
4	Detection of hydroacoustic signals on a fiber-optic submarine cable. Scientific Reports, 2021, 11, 2797.	3.3	50
5	Seismicity around the trench axis and outer-rise region of the southern Japan Trench, south of the main rupture area of the 2011 Tohoku-oki earthquake. Geophysical Journal International, 2021, 226, 131-145.	2.4	12
6	Significant geometric variation of the subducted plate beneath the northernmost Cascadia subduction zone and its tectonic implications as revealed by the 2014 M 6.4 earthquake sequence. Earth and Planetary Science Letters, 2020, 551, 116569.	4.4	5
7	Deep Investigations of Outer-Rise Tsunami Characteristics Using Well-Mapped Normal Faults Along the Japan Trench. Journal of Geophysical Research: Solid Earth, 2020, 125, e2020JB020060.	3.4	12
8	Correlation of frontal prism structures and slope failures near the trench axis with shallow megathrust slip at the Japan Trench. Scientific Reports, 2020, 10, 11607.	3.3	12
9	Three-Dimensional <i>P</i> -Wave Velocity Structure of the Northern Hikurangi Margin From the NZ3D Experiment: Evidence for Fault-Bound Anisotropy. Journal of Geophysical Research: Solid Earth, 2020, 125, e2020JB020433.	3.4	16
10	Plate geometry model and seismicity in the northern Ryukyu subduction zone, Japan, deduced from amphibious seismic observations. Earth and Planetary Science Letters, 2020, 536, 116143.	4.4	3
11	Seismic velocity structure and its implications for oceanic mantle hydration in the trench-outer rise of the Japan Trench. Geophysical Journal International, 2019, 217, 1629-1642.	2.4	22
12	Seismic Characteristics of the Nootka Fault Zone: Results from the Seafloor Earthquake Array Japan-Canada Cascadia Experiment (SeaJade). Bulletin of the Seismological Society of America, 2019, 109, 2252-2276.	2.3	10
13	Configuration and structure of the Philippine Sea Plate off Boso, Japan: constraints on the shallow subduction kinematics, seismicity, and slow slip events. Earth, Planets and Space, 2019, 71, .	2.5	9
14	Modeling the Geometry of Plate Boundary and Seismic Structure in the Southern Ryukyu Trench Subduction Zone, Japan, Using Amphibious Seismic Observations. Journal of Geophysical Research: Solid Earth, 2018, 123, 1793-1809.	3.4	11
15	Seismicity in the source areas of the 1896 and 1933 Sanriku earthquakes and implications for large near-trench earthquake faults. Geophysical Journal International, 2018, 212, 2061-2072.	2.4	14
16	Distribution of very low frequency earthquakes in the Nankai accretionary prism influenced by a subducting-ridge. Earth and Planetary Science Letters, 2018, 482, 342-356.	4.4	28
17	Development of a Slow Earthquake Database. Seismological Research Letters, 2018, 89, 1566-1575.	1.9	58
18	Lateral variation of the uppermost oceanic plate in the outer-rise region of the Northwest Pacific Ocean inferred from Po-to-s converted waves. Earth, Planets and Space, 2018, 70, .	2.5	7

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19	Seismic structure off the Kii Peninsula, Japan, deduced from passive- and active-source seismographic data. <i>Earth and Planetary Science Letters</i> , 2017, 461, 163-175.	4.4	18
20	Fracture Alignments in Marine Sediments Off Vancouver Island from PsSplitting Analysis. <i>Bulletin of the Seismological Society of America</i> , 2017, 107, 387-402.	2.3	5
21	Upper boundaries of the Pacific and Philippine Sea plates near the triple junction off the Boso Peninsula deduced from ocean-bottom seismic observations. <i>Earth, Planets and Space</i> , 2017, 69, .	2.5	8
22	Depth-varying structural characters in the rupture zone of the 2011 Tohoku-oki earthquake. , 2017, 13, 1408-1424.		45
23	Tomographic image of crust and upper mantle off the Boso Peninsula using data from an ocean-bottom seismograph array. <i>Earth, Planets and Space</i> , 2017, 69, .	2.5	8
24	Overview of the Drilling Project on the Bend-fault Hydrology in Old Incoming Plate. <i>Journal of Geography (Chigaku Zasshi)</i> , 2017, 126, 247-262.	0.3	6
25	S-wave attenuation structure beneath the northern Izu‐Bonin arc. <i>Earth, Planets and Space</i> , 2016, 68, .	2.5	1
26	Ambient seafloor noise excited by earthquakes in the Nankai subduction zone. <i>Nature Communications</i> , 2015, 6, 6132.	12.8	17
27	Earthquake Activity in Northern Cascadia Subduction Zone Off Vancouver Island Revealed by Ocean‐Bottom Seismograph Observations. <i>Bulletin of the Seismological Society of America</i> , 2015, 105, 489-495.	2.3	23
28	Small size very low frequency earthquakes in the Nankai accretionary prism, following the 2011 Tohoku-Oki earthquake. <i>Physics of the Earth and Planetary Interiors</i> , 2015, 245, 40-51.	1.9	27
29	Distribution and migration of aftershocks of the 2010 Mw 7.4 Ogasawara Islands intraplate normal-faulting earthquake related to a fracture zone in the Pacific plate. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 1363-1373.	2.5	10
30	<i>S</i> wave attenuation structure on the western side of the Nankai subduction zone: Implications for fluid distribution and dynamics. <i>Journal of Geophysical Research: Solid Earth</i> , 2014, 119, 7805-7822.	3.4	6
31	Seismic imaging and velocity structure around the JFAST drill site in the Japan Trench: low Vp, high Vp/Vs in the transparent frontal prism. <i>Earth, Planets and Space</i> , 2014, 66, 121.	2.5	32
32	Aftershocks of the December 7, 2012 intraplate doublet near the Japan Trench axis. <i>Earth, Planets and Space</i> , 2014, 66, .	2.5	12
33	Seismicity and structural heterogeneities around the western Nankai Trough subduction zone, southwestern Japan. <i>Earth and Planetary Science Letters</i> , 2014, 396, 34-45.	4.4	9
34	Structural heterogeneities around the megathrust zone of the 2011 Tohoku earthquake from tomographic inversion of onshore and offshore seismic observations. <i>Journal of Geophysical Research: Solid Earth</i> , 2014, 119, 1165-1180.	3.4	27
35	Imaging of the subducted Kyushu-Palau Ridge in the Hyuga-nada region, western Nankai Trough subduction zone. <i>Tectonophysics</i> , 2013, 589, 90-102.	2.2	36
36	Aftershocks near the updip end of the 2011 Tohoku-Oki earthquake. <i>Earth and Planetary Science Letters</i> , 2013, 382, 111-116.	4.4	51

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37	The 3D distribution of random velocity inhomogeneities in southwestern Japan and the western part of the Nankai subduction zone. <i>Journal of Geophysical Research: Solid Earth</i> , 2013, 118, 2246-2257.	3.4	7
38	Super-deep-sea ocean bottom seismometers using ceramic spheres. , 2013, , .		6
39	Seismic survey using Ultra-Deep OBS in the Japan Trench axis area. , 2013, , .		0
40	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.	1.1	9
41	Tsunamigenic potential of the shallow subduction plate boundary inferred from slow seismic slip. <i>Nature Geoscience</i> , 2012, 5, 414-418.	12.9	134
42	Precise aftershock distribution of the 2011 off the Pacific coast of Tohoku Earthquake revealed by an ocean-bottom seismometer network. <i>Earth, Planets and Space</i> , 2012, 64, 1137-1148.	2.5	32
43	Normal-faulting earthquakes beneath the outer slope of the Japan Trench after the 2011 Tohoku earthquake: Implications for the stress regime in the incoming Pacific plate. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	91
44	Seismic structure of the source region of the 2007 Chuetsu-oki earthquake revealed by offshore-onshore seismic survey: Asperity zone of intraplate earthquake delimited by crustal inhomogeneity. <i>Tectonophysics</i> , 2012, 562-563, 34-47.	2.2	11
45	Random inhomogeneities in the northern Izu-Bonin arc estimated by tomographic inversion of peak delay times of S-wave seismograms. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	6
46	Seafloor seismometers monitor northern Cascadia earthquakes. <i>Eos</i> , 2011, 92, 421-422.	0.1	15
47	Aftershock observation of the 2011 off the Pacific coast of Tohoku Earthquake by using ocean bottom seismometer network. <i>Earth, Planets and Space</i> , 2011, 63, 835-840.	2.5	22
48	Along-arc variation in seismic velocity structure related to variable growth of arc crust in northern Izu-Bonin intraoceanic arc. <i>Geochemistry, Geophysics, Geosystems</i> , 2010, 11, .	2.5	13
49	Characteristics of deformation structure around the 2007 Niigata-ken Chuetsu-oki earthquake detected by multi-channel seismic reflection imaging. <i>Earth, Planets and Space</i> , 2009, 61, 1111-1115.	2.5	8
50	Low-frequency tremors associated with reverse faults in a shallow accretionary prism. <i>Earth and Planetary Science Letters</i> , 2009, 287, 168-174.	4.4	111
51	Crustal evolution of the southwestern Kuril Arc, Hokkaido Japan, deduced from seismic velocity and geochemical structure. <i>Tectonophysics</i> , 2009, 472, 105-123.	2.2	34
52	Seismicity at the Eastern End of the 1944 Tonankai Earthquake Rupture Area. <i>Bulletin of the Seismological Society of America</i> , 2009, 99, 110-122.	2.3	11
53	Three-dimensional P- and S-wave velocity structures beneath Japan. <i>Physics of the Earth and Planetary Interiors</i> , 2008, 168, 49-70.	1.9	22
54	Precise aftershock distribution of the 2007 Chuetsu-oki Earthquake obtained by using an ocean bottom seismometer network. <i>Earth, Planets and Space</i> , 2008, 60, 1121-1126.	2.5	41

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55	Seismicity related to heterogeneous structure along the western Nankai trough off Shikoku Island. Geophysical Research Letters, 2006, 33, .	4.0	8
56	Aftershock distribution of the 26 December 2004 Sumatra-Andaman earthquake from ocean bottom seismographic observation. Earth, Planets and Space, 2006, 58, 113-119.	2.5	48
57	Crustal Structure and Urgent Aftershock Observation of the 2004 Off Kii-Peninsula Earthquake. Zisin (Journal of the Seismological Society of Japan 2nd Ser), 2006, 59, 187-197.	0.2	1
58	Urgent aftershock observation of the 2004 off the Kii Peninsula earthquake using ocean bottom seismometers. Earth, Planets and Space, 2005, 57, 363-368.	2.5	42
59	Seismicity in the incoming/subducting Philippine Sea plate off the Kii Peninsula, central Nankai trough. Journal of Geophysical Research, 2005, 110, .	3.3	40
60	Structural factors controlling the coseismic rupture zone of the 1973 Nemuro-Oki earthquake, the southern Kuril Trench seismogenic zone. Journal of Geophysical Research, 2004, 109, .	3.3	35
61	Microseismicity around rupture area of the 1944 Tonankai earthquake from ocean bottom seismograph observations. Earth and Planetary Science Letters, 2004, 222, 561-572.	4.4	32
62	Inter-plate coupling in the Nicoya Peninsula, Costa Rica, as deduced from a trans-peninsula GPS experiment. Earth and Planetary Science Letters, 2004, 223, 203-212.	4.4	27
63	Microseismicity at the seaward updip limit of the western Nankai Trough seismogenic zone. Journal of Geophysical Research, 2003, 108, .	3.3	22
64	Micro-seismicity around the seaward updip limit of the 1946 Nankai Earthquake dislocation area. Geophysical Research Letters, 2001, 28, 2333-2336.	4.0	43
65	Seafloor positioning system with GPS-acoustic link for crustal dynamics observation—a preliminary result from experiments in the sea—. Earth, Planets and Space, 2000, 52, 415-423.	2.5	28
66	Sea—floor positioning with global positioning system—acoustic link system. Island Arc, 1999, 8, 245-258.	1.1	1
67	Three-dimensional plate geometry and P-wave velocity models of the subduction zone in SW Japan: Implications for seismogenesis. , 0, , .		16