# Koichiro Obana

List of Publications by Year
in descending order



| 67 | 1,538 | 304602 | 360920 |
|---|---|---|---|
| papers | citations | 22 h-index | 35 g-index |

| 71 | 71 | 71 | 1049 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Extraction of P Wave From Ambient Seafloor Noise Observed by Distributed Acoustic Sensing. Geophysical Research Letters, 2022, 49, . | 1.5 | 6 |
| 2 | Trans-dimensional imaging of the random inhomogeneity structure in the southern Ryukyu arc, Japan. Geophysical Journal International, 2022, 229, 1392-1407. | 1.0 | 1 |
| 3 | High‐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. | 1.5 | 4 |
| 4 | Detection of hydroacoustic signals on a fiber-optic submarine cable. Scientific Reports, 2021, 11, 2797. | 1.6 | 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. | 1.0 | 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. | 1.8 | 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. | 1.4 | 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. | 1.6 | 12 |
| 9 | Three‐Dimensional P 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. | 1.4 | 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. | 1.8 | 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. | 1.0 | 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. | 1.1 | 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, . | 0.9 | 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. | 1.4 | 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. | 1.0 | 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. | 1.8 | 28 |
| 17 | Development of a Slow Earthquake Database. Seismological Research Letters, 2018, 89, 1566-1575. | 0.8 | 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, . | 0.9 | 7 |

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|---|---|---|---|
| 19 | Seismic structure off the Kii Peninsula, Japan, deduced from passive- and active-source seismographic data. Earth and Planetary Science Letters, 2017, 461, 163-175. | 1.8 | 18 |
| 20 | Fracture Alignments in Marine Sediments Off Vancouver Island fromPsSplitting Analysis. Bulletin of the Seismological Society of America, 2017, 107, 387-402. | 1.1 | 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. Earth, Planets and Space, 2017, 69, . | 0.9 | 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. Earth, Planets and Space, 2017, 69, . | 0.9 | 8 |
| 24 | Overview of the Drilling Project on the Bend-fault Hydrology in Old Incoming Plate. Journal of Geography (Chigaku Zasshi), 2017, 126, 247-262. | 0.1 | 6 |
| 25 | S-wave attenuation structure beneath the northern Izuâ€“Bonin arc. Earth, Planets and Space, 2016, 68, . | 0.9 | 1 |
| 26 | Ambient seafloor noise excited by earthquakes in the Nankai subduction zone. Nature Communications, 2015, 6, 6132. | 5.8 | 17 |
| 27 | Earthquake Activity in Northern Cascadia Subduction Zone Off Vancouver Island Revealed by Oceanâ€Bottom Seismograph Observations. Bulletin of the Seismological Society of America, 2015, 105, 489-495. | 1.1 | 23 |
| 28 | Small size very low frequency earthquakes in the Nankai accretionary prism, following the 2011 Tohoku-Oki earthquake. Physics of the Earth and Planetary Interiors, 2015, 245, 40-51. | 0.7 | 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. Geochemistry, Geophysics, Geosystems, 2014, 15, 1363-1373. | 1.0 | 10 |
| 30 | S wave attenuation structure on the western side of the Nankai subduction zone: Implications for fluid distribution and dynamics. Journal of Geophysical Research: Solid Earth, 2014, 119, 7805-7822. | 1.4 | 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. Earth, Planets and Space, 2014, 66, 121. | 0.9 | 32 |
| 32 | Aftershocks of the December 7, 2012 intraplate doublet near the Japan Trench axis. Earth, Planets and Space, 2014, 66, . | 0.9 | 12 |
| 33 | Seismicity and structural heterogeneities around the western Nankai Trough subduction zone, southwestern Japan. Earth and Planetary Science Letters, 2014, 396, 34-45. | 1.8 | 9 |
| 34 | Structural heterogeneities around the megathrust zone of the 2011 Tohoku earthquake from tomographic inversion of onshore and offshore seismic observations. Journal of Geophysical Research: Solid Earth, 2014, 119, 1165-1180. | 1.4 | 27 |
| 35 | Imaging of the subducted Kyushu-Palau Ridge in the Hyuga-nada region, western Nankai Trough subduction zone. Tectonophysics, 2013, 589, 90-102. | 0.9 | 36 |
| 36 | Aftershocks near the updip end of the 2011 Tohoku-Oki earthquake. Earth and Planetary Science Letters, 2013, 382, 111-116. | 1.8 | 51 |

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|---|---|---|---|
| 37 | The 3â€Ð distribution of random velocity inhomogeneities in southwestern Japan and the western part of the Nankai subduction zone. Journal of Geophysical Research: Solid Earth, 2013, 118, 2246-2257. | 1.4 | 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. International Journal of Geophysics, 2012, 2012, 1-8. | 0.4 | 9 |
| 41 | Tsunamigenic potential of the shallow subduction plate boundary inferred from slow seismic slip. Nature Geoscience, 2012, 5, 414-418. | 5.4 | 134 |
| 42 | Precise aftershock distribution of the 2011 off the Pacific coast of Tohoku Earthquake revealed by an ocean-bottom seismometer network. Earth, Planets and Space, 2012, 64, 1137-1148. | 0.9 | 32 |
| 43 | Normalâ€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. Geophysical Research Letters, 2012, 39, . | 1.5 | 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. Tectonophysics, 2012, 562-563, 34-47. | 0.9 | 11 |
| 45 | Random inhomogeneities in the northern Izu-Bonin arc estimated by tomographic inversion of peak delay times ofSwave seismograms. Journal of Geophysical Research, 2011, 116, . | 3.3 | 6 |
| 46 | Seafloor seismometers monitor northern Cascadia earthquakes. Eos, 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. Earth, Planets and Space, 2011, 63, 835-840. | 0.9 | 22 |
| 48 | Alongâ€arc variation in seismic velocity structure related to variable growth of arc crust in northern Izuâ€Bonin intraoceanic arc. Geochemistry, Geophysics, Geosystems, 2010, 11, . | 1.0 | 13 |
| 49 | Characteristics of deformation structure around the 2007 Niigata-ken Chuetsu-oki earthquake detected by multi-channel seismic reflection imaging. Earth, Planets and Space, 2009, 61, 1111-1115. | 0.9 | 8 |
| 50 | Low-frequency tremors associated with reverse faults in a shallow accretionary prism. Earth and Planetary Science Letters, 2009, 287, 168-174. | 1.8 | 111 |
| 51 | Crustal evolution of the southwestern Kuril Arc, Hokkaido Japan, deduced from seismic velocity and geochemical structure. Tectonophysics, 2009, 472, 105-123. | 0.9 | 34 |
| 52 | Seismicity at the Eastern End of the 1944 Tonankai Earthquake Rupture Area. Bulletin of the Seismological Society of America, 2009, 99, 110-122. | 1.1 | 11 |
| 53 | Three-dimensional P- and S-wave velocity structures beneath Japan. Physics of the Earth and Planetary Interiors, 2008, 168, 49-70. | 0.7 | 22 |
| 54 | Precise aftershock distribution of the 2007 Chuetsu-oki Earthquake obtained by using an ocean bottom seismometer network. Earth, Planets and Space, 2008, 60, 1121-1126. | 0.9 | 41 |

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|---|---|---|---|
| 55 | Seismicity related to heterogeneous structure along the western Nankai trough off Shikoku Island. Geophysical Research Letters, 2006, 33, . | 1.5 | 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. | 0.9 | 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. | 0.0 | 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. | 0.9 | 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. | 1.8 | 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. | 1.8 | 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. | 1.5 | 43 |
| 65 | Seafloor positioning system with GPS-acoustic link for crustal dynamics observationâ€”a preliminary result from experiments in the seaâ€”. Earth, Planets and Space, 2000, 52, 415-423. | 0.9 | 28 |
| 66 | Seaâ€floor positioning with global positioning systemâ€“acoustic link system. Island Arc, 1999, 8, 245-258. | 0.5 | 1 |
| 67 | Three-dimensional plate geometry and P-wave velocity models of the subduction zone in SW Japan: Implications for seismogenesis. , 0, , . | | 16 |