

# Yoshio Fukao

## List of Publications by Year in descending order

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Version: 2024-02-01

41  
papers

1,996  
citations

394421

19  
h-index

289244

40  
g-index

43  
all docs

43  
docs citations

43  
times ranked

1916  
citing authors

#	ARTICLE	IF	CITATIONS
1	Subducted slabs stagnant above, penetrating through, and trapped below the 660 km discontinuity. <i>Journal of Geophysical Research: Solid Earth</i> , 2013, 118, 5920-5938.	3.4	411
2	Stagnant Slab: A Review. <i>Annual Review of Earth and Planetary Sciences</i> , 2009, 37, 19-46.	11.0	314
3	Tsunami earthquakes and subduction processes near deep-sea trenches. <i>Journal of Geophysical Research</i> , 1979, 84, 2303-2314.	3.3	272
4	Finite frequency whole mantle $P$ wave tomography: Improvement of subducted slab images. <i>Geophysical Research Letters</i> , 2013, 40, 5652-5657.	4.0	167
5	Tsunamigenic potential of the shallow subduction plate boundary inferred from slow seismic slip. <i>Nature Geoscience</i> , 2012, 5, 414-418.	12.9	134
6	Background Love and Rayleigh waves simultaneously generated at the Pacific Ocean floors. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	104
7	Background Lamb waves in the Earth's atmosphere. <i>Geophysical Journal International</i> , 2014, 196, 312-316.	2.4	60
8	Seafloor topography, ocean infragravity waves, and background Love and Rayleigh waves. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	59
9	Source distribution of Earth's background free oscillations. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	34
10	South Pacific hotspot swells dynamically supported by mantle flows. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	30
11	Ocean Bottom Array Probes Stagnant Slab Beneath the Philippine Sea. <i>Eos</i> , 2009, 90, 70-71.	0.1	29
12	Seismic anisotropy of the Pacific slab and mantle wedge beneath the Japanese islands. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	28
13	Role of fluids in the initiation of the 2008 Iwate earthquake (M7.2) in northeast Japan. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	26
14	Ray Tracing for Dispersive Tsunamis and Source Amplitude Estimation Based on Green's Law: Application to the 2015 Volcanic Tsunami Earthquake Near Torishima, South of Japan. <i>Pure and Applied Geophysics</i> , 2018, 175, 1371-1385.	1.9	26
15	A zone of low-frequency earthquakes beneath the inner wall of the Japan trench. <i>Tectonophysics</i> , 1980, 67, 153-162.	2.2	25
16	Mechanism of the 2015 volcanic tsunami earthquake near Torishima, Japan. <i>Science Advances</i> , 2018, 4, eaao0219.	10.3	25
17	Shear wave speed structure beneath the South Pacific superswell using broadband data from ocean floor and islands. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	23
18	On the vertical extent of the large low shear velocity province beneath the South Pacific Superswell. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	21

#	ARTICLE	IF	CITATIONS
19	Array observation of background atmospheric waves in the seismic band from 1 mHz to 0.5 Hz. <i>Geophysical Journal International</i> , 2005, 162, 824-840.	2.4	20
20	A temporal change of shear wave anisotropy within the marine sedimentary layer associated with the 2011 Tohoku earthquake. <i>Journal of Geophysical Research: Solid Earth</i> , 2013, 118, 607-615.	3.4	20
21	Mapping of the 410- and 660-km discontinuities beneath the Japanese islands. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	19
22	Ambient seafloor noise excited by earthquakes in the Nankai subduction zone. <i>Nature Communications</i> , 2015, 6, 6132.	12.8	17
23	Evidence for infragravity wave-tide resonance in deep oceans. <i>Nature Communications</i> , 2010, 1, 84.	12.8	15
24	Volcanic events associated with an enigmatic submarine earthquake. <i>Geophysical Journal International</i> , 2000, 142, 361-370.	2.4	14
25	Detection of small earthquakes along the Pacific-Antarctic Ridge from T-waves recorded by abyssal ocean-bottom observatories. <i>Marine Geophysical Researches</i> , 2012, 33, 229-238.	1.2	14
26	High-velocity lid of East Antarctica: Evidence of a depleted continental lithosphere. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	11
27	Seismic reflection imaging of a Warm Core Ring south of Hokkaido. <i>Exploration Geophysics</i> , 2011, 42, 18-24.	1.1	11
28	Detection of "Rapid" Aseismic Slip at the Izu Bonin Trench. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB022132.	3.4	11
29	Submarine volcanic activity, ocean-acoustic waves and internal ocean tides. <i>Geophysical Research Letters</i> , 2005, 32, .	4.0	9
30	Excitation Location and Seasonal Variation of Transoceanic Infragravity Waves Observed at an Absolute Pressure Gauge Array. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 40-52.	2.6	9
31	Source characteristics of ocean infragravity waves in the Philippine Sea: analysis of 3-year continuous network records of seafloor motion and pressure. <i>Earth, Planets and Space</i> , 2014, 66, .	2.5	6
32	Detection of Ocean Internal Tide Source Oscillations on the Slope of Aogashima Island, Japan. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 4918-4933.	2.6	6
33	Crustal Extension and Graben Formation by Fault Slip-Associated Pore Opening, Kyushu, Japan. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 4879-4894.	3.4	6
34	Earthquake Rupture and Tsunami Generation of the 2015 <i>M<sub>w</sub></i> 5.9 Bonin Event Revealed by In Situ Pressure Gauge Array Observations and Integrated Seismic and Tsunami Wave Simulation. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL095915.	4.0	5
35	Stress and displacement fields in the outer wedge induced by megathrust earthquakes. <i>Journal of Geophysical Research: Solid Earth</i> , 2014, 119, 4219-4232.	3.4	4
36	Deep Seismic Investigation of the Ontong Java Plateau. <i>Eos</i> , 2011, 92, 61-62.	0.1	3

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37	Sensing of upslope passages of frontal bores across the trench slope break of the Japan Trench. Journal of Geophysical Research: Oceans, 2016, 121, 3422-3434.	2.6	3
38	Seismic Observation of Tsunami at Island Broadband Stations. Journal of Geophysical Research: Solid Earth, 2019, 124, 1910-1928.	3.4	3
39	Review of five years of activity at IFREE /JAMSTEC. JAMSTEC Report of Research and Development, 2009, 9, 2_43-2_94.	0.2	1
40	The comparative survey of specification for the multi-channel seismic reflection exploration about oceanic fine structure. BUTSURI-TANSA(Geophysical Exploration), 2013, 66, 111-118.	0.0	1
41	Recent progress of the Electro-Magnetic survey to investigate Earth's interior. JAMSTEC Report of Research and Development, 2009, 2009, 103-110.	0.2	0