

# Takeshi Sato

## List of Publications by Year in descending order

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Version: 2024-02-01

41  
papers

1,523  
citations

394421

19  
h-index

315739

38  
g-index

42  
all docs

42  
docs citations

42  
times ranked

1399  
citing authors

#	ARTICLE	IF	CITATIONS
1	Seismological evidence of mantle flow driving plate motions at a palaeo-spreading centre. <i>Nature Geoscience</i> , 2014, 7, 371-375.	12.9	302
2	Seismological evidence for variable growth of crust along the Izu intraoceanic arc. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	141
3	New seismological constraints on growth of continental crust in the Izu-Bonin intra-oceanic arc. <i>Geology</i> , 2007, 35, 1031.	4.4	115
4	Systematic changes in the incoming plate structure at the Kuril trench. <i>Geophysical Research Letters</i> , 2013, 40, 88-93.	4.0	102
5	Crustal structure of southwest Japan, revealed by the integrated seismic experiment Southwest Japan 2002. <i>Tectonophysics</i> , 2009, 472, 124-134.	2.2	89
6	Detailed structural image around splayâ€¦fault branching in the Nankai subduction seismogenic zone: Results from a highâ€¦density ocean bottom seismic survey. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	81
7	Structural variations of arc crusts and rifted margins in the southern Izuâ€¦Ogasawara arcâ€¦back arc system. <i>Geochemistry, Geophysics, Geosystems</i> , 2009, 10, .	2.5	65
8	Crustal structure of the continental margin of Korea in the East Sea (Japan Sea) from deep seismic sounding data: evidence for rifting affected by the hotter than normal mantle. <i>Tectonophysics</i> , 2003, 364, 25-42.	2.2	54
9	Geochemical variations in Japan Sea backâ€¦arc basin basalts formed by highâ€¦temperature adiabatic melting of mantle metasomatized by sediment subduction components. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 1324-1347.	2.5	49
10	Depth-varying structural characters in the rupture zone of the 2011 Tohoku-oki earthquake. , 2017, 13, 1408-1424.		45
11	Seismic constraints of the formation process on the backâ€¦arc basin in the southeastern Japan Sea. <i>Journal of Geophysical Research: Solid Earth</i> , 2014, 119, 1563-1579.	3.4	43
12	Seismic imaging of a possible paleoarc in the Izuâ€¦Bonin intraoceanic arc and its implications for arc evolution processes. <i>Geochemistry, Geophysics, Geosystems</i> , 2008, 9, .	2.5	39
13	Alongâ€¦trench variations in the seismic structure of the incoming Pacific plate at the outer rise of the northern Japan Trench. <i>Geophysical Research Letters</i> , 2016, 43, 666-673.	4.0	37
14	Seismic structure of the crust and uppermost mantle in the incipient stage of back arc rifting - northernmost Okinawa Trough. <i>Geophysical Research Letters</i> , 2004, 31, .	4.0	36
15	P-wave velocity structure of the margin of the southeastern Tsushima Basin in the Japan Sea using ocean bottom seismometers and airguns. <i>Tectonophysics</i> , 2006, 412, 159-171.	2.2	34
16	Advent of Continents: A New Hypothesis. <i>Scientific Reports</i> , 2016, 6, 33517.	3.3	33
17	Last stage of the Japan Sea back-arc opening deduced from the seismic velocity structure using wide-angle data. <i>Geochemistry, Geophysics, Geosystems</i> , 2006, 7, n/a-n/a.	2.5	30
18	Aftershock observation of the 2003 Tokachi-oki earthquake by using dense ocean bottom seismometer network. <i>Earth, Planets and Space</i> , 2004, 56, 295-300.	2.5	27

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19	P-wave velocity structure in the northern part of the central Japan Basin, Japan Sea with ocean bottom seismometers and airguns. <i>Earth, Planets and Space</i> , 2004, 56, 501-510.	2.5	25
20	The source fault of the 1983 Nihonkai-Chubu earthquake revealed by seismic imaging. <i>Earth and Planetary Science Letters</i> , 2014, 400, 14-25.	4.4	23
21	Heterogeneous structure across the source regions of the 1968 Tokachi-Oki and the 1994 Sanriku-Haruka-Oki earthquakes at the Japan Trench revealed by an ocean bottom seismic survey. <i>Physics of the Earth and Planetary Interiors</i> , 2002, 132, 89-104.	1.9	17
22	Amplitude modeling of the seismic reflectors in the crust-mantle transition layer beneath the volcanic front along the northern Izu-Bonin island arc. <i>Geochemistry, Geophysics, Geosystems</i> , 2009, 10, .	2.5	16
23	Evolution of the Earth as an andesite planet: water, plate tectonics, and delamination of anti-continent. <i>Earth, Planets and Space</i> , 2015, 67, .	2.5	15
24	Aftershocks of the December 7, 2012 intraplate doublet near the Japan Trench axis. <i>Earth, Planets and Space</i> , 2014, 66, .	2.5	12
25	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
26	Aftershock Distribution of the 2003 Tokachi-oki Earthquake Derived from High-dense Network of Ocean Bottom Seismographs. <i>Zisin (Journal of the Seismological Society of Japan 2nd Ser )</i> , 2005, 57, 281-290.	0.2	9
27	Heterogeneous structure around the rupture area of the 2003 Tokachi-oki earthquake (Mw=8.0), Japan, as revealed by aftershock observations using Ocean Bottom Seismometers. <i>Tectonophysics</i> , 2009, 465, 164-176.	2.2	9
28	Velocity Structure of the Izu&ndash;Ogasawara Island Arc. <i>Journal of Geography (Chigaku) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 38</i>	0.3	9
29	Transition from continental rift to back-arc basin in the southern Japan Sea deduced from seismic velocity structures. <i>Geophysical Journal International</i> , 2020, 221, 722-739.	2.4	9
30	Wide-angle seismic profiling of arc-arc collision zone in the northern Izu-Ogasawara arc â€“KY0408 cruiseâ€“. <i>JAMSTEC Report of Research and Development</i> , 2005, 1, 23-36.	0.2	6
31	Wide-angle seismic profiling of oceanic island arc in the southern Izu-Ogasawara arc â€“KY0502 cruiseâ€“. <i>JAMSTEC Report of Research and Development</i> , 2006, 3, 43-52.	0.2	6
32	Seismic Velocity Structure of Kita-Yamato Trough, Japan Sea Revealed by Ocean Bottom Seismometer and Airgun Survey. <i>Zisin (Journal of the Seismological Society of Japan 2nd Ser )</i> , 2001, 53, 337-355.	0.2	5
33	Red relief image map and integration of topographic data in and around the Japan Sea. <i>JAMSTEC Report of Research and Development</i> , 2016, 22, 13-29.	0.2	5
34	Interferometric OBS imaging for wide-angle seismic data. <i>Geophysics</i> , 2017, 82, Q39-Q51.	2.6	4
35	Crustal characteristic variation in the central Yamato Basin, Japan Sea back-arc basin, deduced from seismic survey results. <i>Tectonophysics</i> , 2018, 726, 1-13.	2.2	4
36	Multichannel seismic reflection data from the southern part of the Japan Sea. <i>JAMSTEC Report of Research and Development</i> , 2018, 27, 127-141.	0.2	4

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37	Wide-angle seismic experiment crossing the Sofu-gan tectonic line in the Izu-Ogasawara arc "KY0507 cruise". JAMSTEC Report of Research and Development, 2006, 3, 19-29.	0.2	4
38	Wide-angle seismic profiling across the middle Izu-Ogasawara arc for understanding boundary structure between the mature and juvenile arcs - KY0609 cruise -. JAMSTEC Report of Research and Development, 2007, 5, 9-19.	0.2	2
39	Deep crustal reflection imaging by applying seismic interferometry to common receiver gathers of marine wide-angle seismic data. , 2013, , .		1
40	Seismic imaging along the Kii channel using OBS-airgun data. , 2013, , .		0
41	Feasibility study on the waveform analysis to the conventional wide-angle marine seismic survey data. , 2019, , .		0