

Hiromi Fujimoto

List of Publications by Year in descending order

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68
papers

2,243
citations

331670

21
h-index

214800

47
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all docs

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docs citations

68
times ranked

1854
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of Phase-Only Correlation to Travel-Time Determination in GNSS-Acoustic Positioning. <i>Frontiers in Earth Science</i> , 2021, 9, .	1.8	3
2	High-resolution gravity measurement aboard an autonomous underwater vehicle. <i>Geophysics</i> , 2018, 83, G119-G135.	2.6	14
3	Development of an underwater gravity measurement system with autonomous underwater vehicle for marine mineral exploration. , 2016, , .		7
4	Investigation on the Postseismic Deformation Associated with the 2011 Tohoku Earthquake Based on Terrestrial and Seafloor Geodetic Observations: To Evaluate the Further Seismic Hazard Potential on the Plate Interface Beneath the Northeastern Japanese Islands. <i>International Association of Geodesy Symposia</i> , 2015, , 459-466.	0.4	3
5	Progress in the Project for Development of GPS/Acoustic Technique Over the Last 4 Years. <i>International Association of Geodesy Symposia</i> , 2015, , 3-10.	0.4	19
6	Development of an underwater gravity measurement system using autonomous underwater vehicle for exploration of seafloor deposits. , 2015, , .		14
7	Prevalence of viscoelastic relaxation after the 2011 Tohoku-oki earthquake. <i>Nature</i> , 2014, 514, 84-87.	27.8	223
8	Seafloor Geodetic Approaches to Subduction Thrust Earthquakes. <i>Monographs on Environment Earth and Planets</i> , 2014, 2, 23-63.	9.0	20
9	Episodic slow slip events in the Japan subduction zone before the 2011 Tohoku-Oki earthquake. <i>Tectonophysics</i> , 2013, 600, 14-26.	2.2	303
10	Development of an underwater gravimeter and the first observation by using autonomous underwater vehicle. , 2013, , .		7
11	Seismicity near the hypocenter of the 2011 off the Pacific coast of Tohoku earthquake deduced by using ocean bottom seismographic data. <i>Earth, Planets and Space</i> , 2012, 64, 1125-1135.	2.5	26
12	Quasi real-time fault model estimation for near-field tsunami forecasting based on RTK-GPS analysis: Application to the 2011 Tohoku-Oki earthquake (M_w 9.0). <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	192
13	Tsunami waveform inversion incorporating permanent seafloor deformation and its application to tsunami forecasting. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	92
14	Gravity and uplift rates observed in southeast Alaska and their comparison with GIA model predictions. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	19
15	Geodetic constraints on afterslip characteristics following the March 9, 2011, Sanriku-Oki earthquake, Japan. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	68
16	A global barotropic ocean model driven by synoptic atmospheric disturbances for detecting seafloor vertical displacements from in situ ocean bottom pressure measurements. <i>Marine Geophysical Researches</i> , 2012, 33, 127-148.	1.2	29
17	A long-term seafloor experiment using an acoustic ranging system: Precise horizontal distance measurements for detection of seafloor crustal deformation. <i>Ocean Engineering</i> , 2012, 51, 28-33.	4.3	11
18	Frontal wedge deformation near the source region of the 2011 Tohoku-Oki earthquake. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	232

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19	Reevaluation of the viscoelastic and elastic responses to the past and present-day ice changes in Southeast Alaska. <i>Tectonophysics</i> , 2011, 511, 79-88.	2.2	24
20	Potential tsunamigenic faults of the 2011 off the Pacific coast of Tohoku Earthquake. <i>Earth, Planets and Space</i> , 2011, 63, 831-834.	2.5	67
21	Long-Term Stability of Acoustic Benchmarks Deployed on Thick Sediment for GPS/Acoustic Seafloor Positioning. <i>Modern Approaches in Solid Earth Sciences</i> , 2011, , 263-272.	0.3	2
22	Potential Tsunamigenic Faults of the 2011 Tohoku Earthquake in the Frontal Wedge. , 2011, , .		0
23	Accurate ocean tide modeling in southeast Alaska and large tidal dissipation around Glacier Bay. <i>Journal of Oceanography</i> , 2009, 65, 335-347.	1.7	10
24	Near-field tsunami forecasting from cabled ocean bottom pressure data. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	116
25	Continuous Long-Term Seafloor Pressure Observation for Detecting Slow-Slip Interplate Events in Miyagi-Oki on the Landward Japan Trench Slope. <i>Journal of Disaster Research</i> , 2009, 4, 72-82.	0.7	9
26	Observation of Seafloor Crustal Movements. <i>Zisin (Journal of the Seismological Society of Japan 2nd)</i> Tj ETQq0 0 0 rgBT /Overlock 10 Tf 0.2	0.2	0
27	Development of a seafloor acoustic ranging system toward the seafloor cable network system. <i>Ocean Engineering</i> , 2008, 35, 1401-1405.	4.3	8
28	Temporal variation of sound speed in ocean: a comparison between GPS/acoustic and in situ measurements. <i>Earth, Planets and Space</i> , 2008, 60, 229-234.	2.5	41
29	Toward Semi-real-time GPS/A Seafloor Positioning with a Moored Buoy. , 2007, , .		1
30	Application of Cabled Offshore Ocean Bottom Tsunami Gauge Data for Real-Time Tsunami Forecasting. , 2007, , .		3
31	Seafloor displacement at Kumano-nada caused by the 2004 off Kii Peninsula earthquakes, detected through repeated GPS/Acoustic surveys. <i>Earth, Planets and Space</i> , 2006, 58, 911-915.	2.5	69
32	Focused magmatism versus amagmatic spreading along the ultra-slow spreading Southwest Indian Ridge: Evidence from TOBI side scan sonar imagery. <i>Geochemistry, Geophysics, Geosystems</i> , 2004, 5, n/a-n/a.	2.5	59
33	Melt supply variations to a magma-poor ultra-slow spreading ridge (Southwest Indian Ridge 61° to 63°E) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 0.2	2.5	95
34	Ocean bottom pressure variations in the southeastern Pacific following the 1997-98 El Niño event. <i>Geophysical Research Letters</i> , 2003, 30, .	4.0	23
35	Estimation and correction for the effect of sound velocity variation on GPS/Acoustic seafloor positioning: An experiment off Hawaii Island. <i>Earth, Planets and Space</i> , 2003, 55, e17-e20.	2.5	42
36	Relict hydrothermal events along the super-slow Southwest Indian spreading ridge near 63°56'E: mineralogy, chemistry and chronology of sulfide samples. <i>Chemical Geology</i> , 2001, 177, 341-349.	3.3	80

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37	Development of instruments for seafloor geodesy. Earth, Planets and Space, 1998, 50, 905-911.	2.5	22
38	The interaction of viscous heating with grain-size dependent rheology in the formation of localized slip zones. Geophysical Research Letters, 1997, 24, 2523-2526.	4.0	88
39	Seafloor Acoustic Ranging and the Effect of Temperature Variation. International Association of Geodesy Symposia, 1997, , 690-695.	0.4	8
40	A thermo-chemical regime in the upper mantle in the early Earth inferred from a numerical model of magma-migration in a convecting upper mantle. Physics of the Earth and Planetary Interiors, 1996, 94, 187-215.	1.9	16
41	Three-dimensional magnetic and gravity studies of the Rodriguez Triple Junction in the Indian Ocean. Journal of Geophysical Research, 1996, 101, 15837-15848.	3.3	31
42	Upper Mantle Structure Beneath the Japan Trench and Tohoku Arc Viewed from Mantle Bouguer Anomalies.. Proceedings of the Japan Academy Series B: Physical and Biological Sciences, 1996, 72, 57-61.	3.8	1
43	Deep Structure of Seamount of Younger Age Inferred from Gravity Anomaly.. Proceedings of the Japan Academy Series B: Physical and Biological Sciences, 1996, 72, 39-43.	3.8	0
44	A three-dimensional gravity study of the Rodrigues Triple Junction and Southeast Indian Ridge. Earth and Planetary Science Letters, 1995, 133, 175-184.	4.4	12
45	Interaction of the upwelling plume with the phase and chemical boundary at the 670 km discontinuity: Effects of temperature-dependent viscosity. Earth and Planetary Science Letters, 1994, 121, 369-384.	4.4	50
46	Stress Fields in Slabs Penetrating into the Lower Mantle, and Rheology and Composition of the Lower Mantle.. Proceedings of the Japan Academy Series B: Physical and Biological Sciences, 1994, 70, 19-24.	3.8	1
47	Interaction of the Upwelling Plume with the Phase and Chemical Boundaries. (2). Effects of the Pressure-Dependent Viscosity.. Journal of Geomagnetism and Geoelectricity, 1994, 46, 587-602.	0.9	1
48	Installation of ocean bottom bases for observation of seafloor crustal movement. Marine Geodesy, 1990, 14, 177-184.	2.0	4
49	Geophysical observations around the northern Yap Trench: seismicity, gravity and heat flow. Tectonophysics, 1989, 163, 93-104.	2.2	21
50	Underwater positioning by long-baseline acoustic navigation system and relocation of transponders. Marine Geodesy, 1988, 12, 201-219.	2.0	3
51	Installation of Ocean Bottom Observation Station by Means of Underwater Acoustic Positioning. Zisin (Journal of the Seismological Society of Japan 2nd Ser), 1988, 41, 583-589.	0.2	1
52	Geophysics of the Pacific Basin. , 1988, , 483-624.		0
53	Evaluation and correction of Ioran's positions from comparison with GPS data. Marine Geodesy, 1987, 11, 221-230.	2.0	2
54	Seismic velocity structure and gravity anomalies: a comparison. Tectonophysics, 1987, 140, 115-120.	2.2	0

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55	Is the oceanic crust over 1 km necessary for the source of marine magnetic anomalies?. Physics of the Earth and Planetary Interiors, 1987, 49, 117-120.	1.9	10
56	A compact on-line data processing system for the Tokyo Surface Ship Gravity Meter.. Journal of Physics of the Earth, 1985, 33, 45-58.	1.4	1
57	On the sensitivity characteristics of Lacoste & Romberg gravimeter (model G). Bulletin Geodesique, 1985, 59, 55-67.	0.4	1
58	Lithospheric thickness anomaly near the trench and possible driving force of subduction. Tectonophysics, 1985, 112, 103-110.	2.2	10
59	Thickness Anomalies of the Lithosphere, Driving Force of Subduction and Accretion Tectonics. , 1985, , 43-58.		2
60	Free-air anomalies in the western Pacific from the viewpoint of wave number spectrum. Marine Geophysical Researches, 1984, 7, 209-214.	1.2	0
61	Free-Air Anomalies in the Western Pacific from the Viewpoint of Wave Number Spectrum. , 1984, , 209-214.		0
62	Thickness difference of the lithosphere at the fracture zone and horizontal driving force of the plate.. Journal of Physics of the Earth, 1983, 31, 173-181.	1.4	5
63	Why do the patterns of geoidal undulation and those of free-air anomalies in the northwestern Pacific look alike?. Journal of Physics of the Earth, 1983, 31, 271-280.	1.4	0
64	Determination of the geomagnetic daily variation in total force on board a ship.. Journal of Geomagnetism and Geoelectricity, 1982, 34, 241-244.	0.9	0
65	Gravity anomalies in the Northwestern Pacific and their geophysical interpretation.. Proceedings of the Japan Academy Series B: Physical and Biological Sciences, 1981, 57, 359-361.	3.8	2
66	Gravity anomalies in the western Pacific and geophysical interpretation of their origin.. Journal of Physics of the Earth, 1981, 29, 387-419.	1.4	18
67	Ocean bottom proton magnetometer (design and test).. Journal of Geomagnetism and Geoelectricity, 1981, 33, 335-339.	0.9	2
68	Gravity anomalies and sub-bottom structure of the Guyot.. Journal of Physics of the Earth, 1981, 29, 377-386.	1.4	0