Yoshihiro Ito

List of Publications by Year
in descending order

90 papers	4,728 citations	117625 34 h-index	102487 66 g-index
96 all docs	96 docs citations	96 times ranked	2539 citing authors

#	Article	IF	Citations
1	Continuous Tremor Activity With Stable Polarization Direction Following the 2014 Large Slow Slip Event in the Hikurangi Subduction Margin Offshore New Zealand. Journal of Geophysical Research: Solid Earth, 2022, 127, e2021JB022161.	3.4	3
2	Seismological Structures on Bimodal Distribution of Deep Tectonic Tremor. Geophysical Research Letters, 2021, 48, e2020GL092183.	4.0	4
3	Short-term interaction between silent and devastating earthquakes in Mexico. Nature Communications, 2021, 12, 2171.	12.8	22
4	Adjoint slip inversion under a constrained optimization framework: revisiting the 2006 Guerrero slow slip event. Geophysical Journal International, 2021, 226, 1187-1205.	2.4	1
5	Water Depth Dependence of Longâ€Range Correlation in Nontidal Variations in Seafloor Pressure. Geophysical Research Letters, 2021, 48, e2020GL092173.	4.0	9
6	Shallow slow earthquakes to decipher future catastrophic earthquakes in the Guerrero seismic gap. Nature Communications, 2021, 12, 3976.	12.8	19
7	Detailed Seafloor Observations on a Deep-Sea Terrace Along the Japan Trench After the 2011 Tohoku Earthquake. ICL Contribution To Landslide Disaster Risk Reduction, 2021, , 405-410.	0.3	1
8	Sea Surface Gravity Waves Excited by Dynamic Ground Motions from Large Regional Earthquakes. Seismological Research Letters, 2020, 91, 2268-2277.	1.9	4
9	Stress Sensitivity of Instantaneous Dynamic Triggering of Shallow Slow Slip Events. Journal of Geophysical Research: Solid Earth, 2020, 125, e2019JB019178.	3.4	5
10	Slow slip source characterized by lithological and geometric heterogeneity. Science Advances, 2020, 6, eaay3314.	10.3	95
11	Ultraâ€Long Duration of Seismic Ground Motion Arising From a Thick, Lowâ€Velocity Sedimentary Wedge. Journal of Geophysical Research: Solid Earth, 2019, 124, 10347-10359.	3.4	31
12	Tremor and Inferred Slow Slip Associated With Afterslip of the 2011 Tohoku Earthquake. Geophysical Research Letters, 2019, 46, 4591-4598.	4.0	20
13	Seismicity at the Northern Hikurangi Margin, New Zealand, and Investigation of the Potential Spatial and Temporal Relationships With a Shallow Slow Slip Event. Journal of Geophysical Research: Solid Earth, 2019, 124, 4751-4766.	3.4	25
14	Threeâ€Dimensional Modeling of Spontaneous and Triggered Slowâ€Slip Events at the Hikurangi Subduction Zone, New Zealand. Journal of Geophysical Research: Solid Earth, 2019, 124, 13250-13268.	3.4	12
15	Seafloor Crustal Deformation on Ocean Bottom Pressure Records With Nontidal Variability Corrections: Application to Hikurangi Margin, New Zealand. Geophysical Research Letters, 2019, 46, 303-310.	4.0	20
16	A Seismogeodetic Amphibious Network in the Guerrero Seismic Gap, Mexico. Seismological Research Letters, 2018, 89, 1435-1449.	1.9	18
17	Development of a Slow Earthquake Database. Seismological Research Letters, 2018, 89, 1566-1575.	1.9	58
18	Spatio-temporal changes in the seismic velocity induced by the 2011 Tohoku-Oki earthquake and slow slip event revealed from seismic interferometry, using ocean bottom seismometerâ€™s records. Progress in Earth and Planetary Science, 2018, 5, .	3.0	2

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19	Using Tsunami Waves Reflected at the Coast to Improve Offshore Earthquake Source Parameters: Application to the 2016 Mw 7.1 Te Araroa Earthquake, New Zealand. Journal of Geophysical Research: Solid Earth, 2018, 123, 8767-8779.	3.4	16
20	Spatiotemporal Variation of Tectonic Tremor Activity Before the Tohokuâ€Oki Earthquake. Journal of Geophysical Research: Solid Earth, 2018, 123, 9676-9688.	3.4	12
21	Earthquakes and Tremor Linked to Seamount Subduction During Shallow Slow Slip at the Hikurangi Margin, New Zealand. Journal of Geophysical Research: Solid Earth, 2018, 123, 6769-6783.	3.4	76
22	Alongâ€Arc Heterogeneity of the Seismic Structure Around a Large Coseismic Shallow Slip Area of the 2011 Tohokuâ€Oki Earthquake: 2â€D Vp Structural Estimation Through an Air Gunâ€Ocean Bottom Seismometer Experiment in the Japan Trench Subduction Zone. Journal of Geophysical Research: Solid Earth, 2018, 123, 5249-5264.	3.4	8
23	Coseismic slip propagation on the Tohoku plate boundary fault facilitated by slipâ€dependent weakening during slow fault slip. Geophysical Research Letters, 2017, 44, 8749-8756.	4.0	14
24	Coseismic slip model of offshore moderate interplate earthquakes on March 9, 2011 in Tohoku using tsunami waveforms. Earth and Planetary Science Letters, 2017, 458, 241-251.	4.4	12
25	Tidal Response in Shallow Tectonic Tremors. Geophysical Research Letters, 2017, 44, 9699-9706.	4.0	9
26	Heterogeneous rheology controlled postseismic deformation of the 2011 Tohokuâ€Oki earthquake. Geophysical Research Letters, 2016, 43, 4971-4978.	4.0	38
27	Slow slip near the trench at the Hikurangi subduction zone, New Zealand. Science, 2016, 352, 701-704.	12.6	242
28	Very low frequency earthquakes in Cascadia migrate with tremor. Geophysical Research Letters, 2015, 42, 3228-3232.	4.0	59
29	Velocityâ€and slipâ€dependent weakening in simulated fault gouge: Implications for multimode fault slip. Geophysical Research Letters, 2015, 42, 9247-9254.	4.0	23
30	Complicated rupture process of the M_w 7.0 intraslab strikeâ€slip earthquake in the Tohoku region on 10 July 2011 revealed by nearâ€field pressure records. Geophysical Research Letters, 2015, 42, 9733-9739.	4.0	8
31	Changes in seismicity before and after the 2011 Tohoku earthquake around its southern limit revealed by dense ocean bottom seismic array data. Geophysical Research Letters, 2015, 42, 1384-1389.	4.0	12
32	Possible shallow slow slip events in Hyugaâ€nada, Nankai subduction zone, inferred from migration of very low frequency earthquakes. Geophysical Research Letters, 2015, 42, 331-338.	4.0	23
33	Episodic tremor and slip near the Japan Trench prior to the 2011 Tohokuâ€Oki earthquake. Geophysical Research Letters, 2015, 42, 1725-1731.	4.0	37
34	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. International Association of Geodesy Symposia, 2015, , 459-466.	0.4	3
35	Spectrum of slip behaviour in Tohoku fault zone samples at plate tectonic slip rates. Nature Geoscience, 2015, 8, 870-874.	12.9	64
36	Was the 2011 Tohoku-Oki earthquake preceded by aseismic preslip? Examination of seafloor vertical deformation data near the epicenter. Marine Geophysical Researches, 2014, 35, 181-190.	1.2	67

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37	Structural control on the Tohoku earthquake rupture process investigated by 3D FEM, tsunami and geodetic data. Scientific Reports, 2014, 4, 5631.	3.3	72
38	Extension of continental crust by anelastic deformation during the 2011 Tohoku-oki earthquake: The role of extensional faulting in the generation of a great tsunami. Earth and Planetary Science Letters, 2013, 364, 44-58.	4.4	76
39	Episodic deformation and inferred slow slip at the Nankai subduction zone during the first decade of CORK borehole pressure and VLFE monitoring. Earth and Planetary Science Letters, 2013, 368, 110-118.	4.4	26
40	Episodic slow slip events in the Japan subduction zone before the 2011 Tohoku-Oki earthquake. Tectonophysics, 2013, 600, 14-26.	2.2	303
41	Tsunami-generated turbidity current of the 2011 Tohoku-Oki earthquake. Geology, 2013, 41, 1195-1198.	4.4	99
42	Ocean bottom pressure records of the 2011 Tohoku-Oki earthquake. , 2013, , .		4
43	Twoâ€dimensional viscosity structure of the northeastern Japan islands arcâ€trench system. Geophysical Research Letters, 2013, 40, 4604-4608.	4.0	26
44	Stress fields in NE Japan before and after the 2011 Tohoku-oki Earthquake. , 2013, , .		1
45	Velocity reduction in an offshore region after the 2011 Tohoku-Oki earthquake, revealed from ocean-bottom seismic records. , 2013, , .		0
46	Seismicity near the hypocenter of the 2011 off the Pacific coast of Tohoku earthquake deduced by using ocean bottom seismographic data. Earth, Planets and Space, 2012, 64, 1125-1135.	2.5	26
47	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.	2.5	32
48	P-wave velocity structure in the southernmost source region of the 2011 Tohoku earthquakes, off the Boso Peninsula, deduced by an ocean bottom seismographic survey. Earth, Planets and Space, 2012, 64, 1149-1156.	2.5	12
49	Seismic scatterers within subducting slab revealed from ambient noise autocorrelation. Geophysical Research Letters, 2012, 39, .	4.0	16
50	Coseismic slip distribution of the 2011 off the Pacific Coast of Tohoku Earthquake (M9.0) refined by means of seafloor geodetic data. Journal of Geophysical Research, 2012, 117, .	3.3	255
51	Stress before and after the 2011 great Tohokuâ€oki earthquake and induced earthquakes in inland areas of eastern Japan. Geophysical Research Letters, 2012, 39, .	4.0	113
52	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.	2.2	11
53	Geodetic constraints on afterslip characteristics following the March 9, 2011, Sanrikuâ€oki earthquake, Japan. Geophysical Research Letters, 2012, 39, .	4.0	68
54	Change in stress field after the 2011 great Tohoku-Oki earthquake. Earth and Planetary Science Letters, 2012, 355-356, 231-243.	4.4	136

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55	Autocorrelation analysis of ambient noise in northeastern Japan subduction zone. Tectonophysics, 2012, 572-573, 38-46.	2.2	14
56	Focal Mechanisms of Small Earthquakes within the Pacific Plate near the Japan Trench. Zisin (Journal) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.2	4
57	Frontal wedge deformation near the source region of the 2011 Tohoku-Oki earthquake. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	232
58	Trench-normal variation in observed seafloor displacements associated with the 2011 Tohoku-Oki earthquake. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	166
59	Tsunami source of the 2011 Tohoku-Oki earthquake, Japan: Inversion analysis based on dispersive tsunami simulations. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	131
60	3D modeling of the cycle of a great Tohoku-oki earthquake, considering frictional behavior at low to high slip velocities. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	44
61	Potential tsunamigenic faults of the 2011 off the Pacific coast of Tohoku Earthquake. Earth, Planets and Space, 2011, 63, 831-834.	2.5	67
62	Spatial distribution and focal mechanisms of aftershocks of the 2011 off the Pacific coast of Tohoku Earthquake. Earth, Planets and Space, 2011, 63, 669-673.	2.5	229
63	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.	2.5	22
64	Potential Tsunamigenic Faults of the 2011 Tohoku Earthquake in the Frontal Wedge. , 2011, , .		0
65	Source mechanism of a very-long-period event at Mt Ontake, central Japan: Response of a hydrothermal system to magma intrusion beneath the summit. Journal of Volcanology and Geothermal Research, 2009, 187, 167-177.	2.1	55
66	Insight into complex rupturing of the immature bending normal fault in the outer slope of the Japan Trench from aftershocks of the 2005 Sanriku earthquake (M_w = 7.0) located by ocean bottom seismometry. Geochemistry, Geophysics, Geosystems, 2009, 10, .	2.5	41
67	Veryâ€lowâ€frequency earthquakes indicate a transpressional stress regime in the Nankai accretionary prism. Geophysical Research Letters, 2009, 36, .	4.0	29
68	Very low frequency earthquakes related to small asperities on the plate boundary interface at the locked to aseismic transition. Journal of Geophysical Research, 2009, 114, .	3.3	61
69	Simple relationship between seismic activity along Philippine Sea slab and geometry of oceanic Moho beneath southwest Japan. Geophysical Journal International, 2008, 173, 1018-1029.	2.4	79
70	Spatial heterogeneity of the mantle wedge structure and interplate coupling in the NE Japan forearc region. Geophysical Research Letters, 2008, 35, .	4.0	20
71	Spatiotemporal distribution of very-low frequency earthquakes in Tokachi-oki near the junction of the Kuril and Japan trenches revealed by using array signal processing. Earth, Planets and Space, 2008, 60, 871-875.	2.5	61
72	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.	2.5	41

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73	Slow Earthquakes Coincident with Episodic Tremors and Slow Slip Events. Science, 2007, 315, 503-506.	12.6	420
74	Dynamic deformation of the accretionary prism excites very low frequency earthquakes. Geophysical Research Letters, 2006, 33, .	4.0	106
75	Very low frequency earthquakes within accretionary prisms are very low stress-drop earthquakes. Geophysical Research Letters, 2006, 33, .	4.0	118
76	Spatial distribution of F-net moment tensors for the 2005 West Off Fukuoka Prefecture Earthquake determined by the extended method of the NIED F-net routine. Earth, Planets and Space, 2006, 58, 63-67.	2.5	13
77	Initial-rupture fault, main-shock fault, and aftershock faults: Fault geometry and bends inferred from centroid moment tensor inversion of the 2005 west off Fukuoka prefecture earthquake. Earth, Planets and Space, 2006, 58, 69-74.	2.5	11
78	A discrete episode of seismic and aseismic deformation of the Nankai trough subduction zone accretionary prism and incoming Philippine Sea plate. Earth and Planetary Science Letters, 2006, 242, 73-84.	4.4	86
79	Focal depth distribution using sP depth phase and implications for plate coupling in the Hyuganada region, Japan. Physics of the Earth and Planetary Interiors, 2006, 155, 219-235.	1.9	9
80	Performance of regional distance centroid moment tensor inversion applied to the 2004 mid-Niigata prefecture earthquake, Japan. Geophysical Journal International, 2006, 167, 1317-1331.	2.4	18
81	Very low frequency earthquakes excited by the 2004 off the Kii peninsula earthquakes: A dynamic deformation process in the large accretionary prism. Earth, Planets and Space, 2005, 57, 321-326.	2.5	143
82	Spatial distribution of centroid moment tensor solutions for the 2004 off Kii peninsula earthquakes. Earth, Planets and Space, 2005, 57, 351-356.	2.5	28
83	Spatial distribution for moment tensor solutions of the 2003 Tokachi-oki earthquake (M JMA = 8.0) and aftershocks. Earth, Planets and Space, 2004, 56, 301-306.	2.5	30
84	Low frequency events occurred during the sequence of aftershock activity of the 2003 Tokachi-Oki earthquake; a dynamic process of the tectonic erosion by subducted seamount. Earth, Planets and Space, 2004, 56, 347-351.	2.5	9
85	Expedition 372B/375 summary. Proceedings of the International Ocean Discovery Program, 0, , .	0.0	20
86	Expedition 372B/375 methods. Proceedings of the International Ocean Discovery Program, 0, , .	0.0	18
87	Site U1518. Proceedings of the International Ocean Discovery Program, 0, , .	0.0	16
88	Site U1519. Proceedings of the International Ocean Discovery Program, 0, , .	0.0	11
89	Site U1520. Proceedings of the International Ocean Discovery Program, 0, , .	0.0	18
90	Site U1526. Proceedings of the International Ocean Discovery Program, 0, , .	0.0	7