

# Takanori Matsuzawa

## List of Publications by Year in descending order

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Version: 2024-02-01

46  
papers

1,632  
citations

279798

23  
h-index

289244

40  
g-index

49  
all docs

49  
docs citations

49  
times ranked

1206  
citing authors

#	ARTICLE	IF	CITATIONS
1	The slow earthquake spectrum in the Japan Trench illuminated by the S-net seafloor observatories. <i>Science</i> , 2019, 365, 808-813.	12.6	127
2	Modeling short- and long-term slow slip events in the seismic cycles of large subduction earthquakes. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	108
3	Depth-dependent activity of non-volcanic tremor in southwest Japan. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	107
4	Dynamic landslide processes revealed by broadband seismic records. <i>Geophysical Research Letters</i> , 2013, 40, 2998-3002.	4.0	90
5	Detection of short-term slow slip events along the Nankai Trough, southwest Japan, using GNSS data. <i>Journal of Geophysical Research: Solid Earth</i> , 2013, 118, 3112-3125.	3.4	88
6	Slow Earthquakes Linked Along Dip in the Nankai Subduction Zone. <i>Science</i> , 2010, 330, 1502-1502.	12.6	85
7	A Global Search for Triggered Tremor Following the 2011 Mw 9.0 Tohoku Earthquake. <i>Bulletin of the Seismological Society of America</i> , 2013, 103, 1551-1571.	2.3	66
8	Very low frequency earthquakes related to small asperities on the plate boundary interface at the locked to aseismic transition. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	61
9	Development of a Slow Earthquake Database. <i>Seismological Research Letters</i> , 2018, 89, 1566-1575.	1.9	58
10	Shear heating-induced thermal pressurization during earthquake nucleation. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	52
11	The Boso slow slip events in 2007 and 2011 as a driving process for the accompanying earthquake swarm. <i>Geophysical Research Letters</i> , 2014, 41, 2778-2785.	4.0	49
12	3D modeling of the cycle of a great Tohoku-oki earthquake, considering frictional behavior at low to high slip velocities. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	44
13	Structural Characteristics of the Nankai Trough Shallow Plate Boundary Inferred From Shallow Very Low Frequency Earthquakes. <i>Geophysical Research Letters</i> , 2019, 46, 4192-4201.	4.0	43
14	Very low frequency earthquakes off the Pacific coast of Tohoku, Japan. <i>Geophysical Research Letters</i> , 2015, 42, 4318-4325.	4.0	42
15	Dispersive tsunami of the 2010 Chile earthquake recorded by the high-sampling-rate ocean-bottom pressure gauges. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	40
16	Shallow Low-Frequency Tremor in the Northern Japan Trench Subduction Zone. <i>Geophysical Research Letters</i> , 2019, 46, 5217-5224.	4.0	38
17	Source Parameters and Rupture Velocities of Microearthquakes in Western Nagano, Japan, Determined Using Stopping Phases. <i>Bulletin of the Seismological Society of America</i> , 2004, 94, 1762-1780.	2.3	35
18	Depth-dependent mode of tremor migration beneath Kii Peninsula, Nankai subduction zone. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	34

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19	Estimation of dynamic friction and movement history of large landslides. <i>Landslides</i> , 2018, 15, 1963-1974.	5.4	34
20	Structural control and system-level behavior of the seismic cycle at the Nankai Trough. <i>Earth, Planets and Space</i> , 2020, 72, .	2.5	33
21	Source duration of deep very low frequency earthquakes in western Shikoku, Japan. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	28
22	Migration properties of non-volcanic tremor in Shikoku, southwest Japan. <i>Geophysical Research Letters</i> , 2011, 38, .	4.0	28
23	Comprehensive model of short- and long-term slow slip events in the Shikoku region of Japan, incorporating a realistic plate configuration. <i>Geophysical Research Letters</i> , 2013, 40, 5125-5130.	4.0	28
24	Bridging the gap between low-frequency and very-low-frequency earthquakes. <i>Earth, Planets and Space</i> , 2020, 72, .	2.5	25
25	Possible shallow slow slip events in Hyuga-nada, Nankai subduction zone, inferred from migration of very low frequency earthquakes. <i>Geophysical Research Letters</i> , 2015, 42, 331-338.	4.0	23
26	Migrations and Clusters of Shallow Very Low Frequency Earthquakes in the Regions Surrounding Shear Stress Accumulation Peaks Along the Nankai Trough. <i>Geophysical Research Letters</i> , 2019, 46, 11830-11840.	4.0	23
27	Modeling of slow slip events along the deep subduction zone in the Kii Peninsula and Tokai regions, southwest Japan. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	22
28	Seismic versus aseismic slip: Probing mechanical properties of the northeast Japan subduction zone. <i>Earth and Planetary Science Letters</i> , 2014, 406, 7-13.	4.4	22
29	Centroid Moment Tensor Inversion of Shallow Very Low Frequency Earthquakes Off the Kii Peninsula, Japan, Using a Three-Dimensional Velocity Structure Model. <i>Geophysical Research Letters</i> , 2018, 45, 6450-6458.	4.0	21
30	Comprehensive Detection of Very Low Frequency Earthquakes Off the Hokkaido and Tohoku Pacific Coasts, Northeastern Japan. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB017988.	3.4	21
31	Modeling the activity of short-term slow slip events along deep subduction interfaces beneath Shikoku, southwest Japan. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	20
32	Stratification of earth's outermost core inferred from SmKS array data. <i>Progress in Earth and Planetary Science</i> , 2015, 2, .	3.0	20
33	Tremor and Inferred Slow Slip Associated With Afterslip of the 2011 Tohoku Earthquake. <i>Geophysical Research Letters</i> , 2019, 46, 4591-4598.	4.0	20
34	Anomalous depth dependency of the stress field in the 2007 Noto Hanto, Japan, earthquake: Potential involvement of a deep fluid reservoir. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	18
35	S-wave energy estimation of small-earthquakes in the western Nagano region, Japan. <i>Geophysical Research Letters</i> , 2004, 31, .	4.0	12
36	Temporal Activity Modulation of Deep Very Low Frequency Earthquakes in Shikoku, Southwest Japan. <i>Geophysical Research Letters</i> , 2018, 45, 733-738.	4.0	12

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37	Three-Dimensional Modeling of Spontaneous and Triggered Slow Slip Events at the Hikurangi Subduction Zone, New Zealand. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 13250-13268.	3.4	12
38	Love- and Rayleigh-Wave Microseisms Excited by Migrating Ocean Swells in the North Atlantic Detected in Japan and Germany. <i>Bulletin of the Seismological Society of America</i> , 2012, 102, 1864-1871.	2.3	10
39	Development of a Data Sharing System for Japan Volcanological Data Network. <i>Journal of Disaster Research</i> , 2019, 14, 571-579.	0.7	9
40	Slow slip rate and excitation efficiency of deep low-frequency tremors beneath southwest Japan. <i>Tectonophysics</i> , 2018, 722, 314-323.	2.2	8
41	Source Characteristics and Along-Strike Variations of Shallow Very Low Frequency Earthquake Swarms on the Nankai Trough Shallow Plate Boundary. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	6
42	Estimation of the S-Wave Attenuation in the Western Nagano Region from Twofold Spectral Ratio. <i>Zisin (Journal of the Seismological Society of Japan 2nd Ser)</i> , 2003, 56, 75-88.	0.2	4
43	Average slip rate at the transition zone on the plate interface beneath the Kii Peninsula, Japan, estimated from deep low-frequency tremors. <i>Earth, Planets and Space</i> , 2013, 65, 1047-1051.	2.5	3
44	Dynamic movement history of the Iiyama slope failure revealed from seismic data. <i>Engineering Geology</i> , 2020, 274, 105696.	6.3	1
45	Seismic inversion analysis of the 2014 and 2015 Kuchinoerabujima volcanic eruptions, using F-net broadband seismometers. <i>Journal of Natural Disaster Science</i> , 2016, 37, 91-103.	0.4	1
46	Variations in the Characteristic Amplitude of Tectonic Tremor Induced by Long-Term Slow Slip Events. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB021138.	3.4	0