

Yuji Yagi

List of Publications by Year in descending order

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75
papers

2,852
citations

186209

28
h-index

175177

52
g-index

78
all docs

78
docs citations

78
times ranked

2026
citing authors

#	ARTICLE	IF	CITATIONS
1	A unified source model for the 2011 Tohoku earthquake. <i>Earth and Planetary Science Letters</i> , 2011, 310, 480-487.	1.8	232
2	Rupture process of the 2011 Tohoku-oki earthquake and absolute elastic strain release. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	186
3	Source rupture process of the 2003 Tokachi-oki earthquake determined by joint inversion of teleseismic body wave and strong ground motion data. <i>Earth, Planets and Space</i> , 2004, 56, 311-316.	0.9	146
4	Introduction of uncertainty of Green's function into waveform inversion for seismic source processes. <i>Geophysical Journal International</i> , 2011, 186, 711-720.	1.0	146
5	Stress-Breakdown Time and Slip-Weakening Distance Inferred from Slip-Velocity Functions on Earthquake Faults. <i>Bulletin of the Seismological Society of America</i> , 2003, 93, 264-282.	1.1	139
6	Source Rupture Process of the Tecoman, Colima, Mexico Earthquake of 22 January 2003, Determined by Joint Inversion of Teleseismic Body-Wave and Near-Source Data. <i>Bulletin of the Seismological Society of America</i> , 2004, 94, 1795-1807.	1.1	120
7	Source rupture process of the Kocaeli, Turkey, earthquake of August 17, 1999, obtained by joint inversion of near-field data and teleseismic data. <i>Geophysical Research Letters</i> , 2000, 27, 1969-1972.	1.5	102
8	Integrated seismic source model of the 2015 Gorkha, Nepal, earthquake. <i>Geophysical Research Letters</i> , 2015, 42, 6229-6235.	1.5	100
9	The Earthquakeâ€Source Inversion Validation (SIV) Project. <i>Seismological Research Letters</i> , 2016, 87, 690-708.	0.8	96
10	Rupture process of the 2014 Iquique Chile Earthquake in relation with the foreshock activity. <i>Geophysical Research Letters</i> , 2014, 41, 4201-4206.	1.5	87
11	The 16 September 2015 Chile Tsunami from the Post-Tsunami Survey and Numerical Modeling Perspectives. <i>Pure and Applied Geophysics</i> , 2016, 173, 333-348.	0.8	84
12	Rupture process of the 2016 Kumamoto earthquake in relation to the thermal structure around Aso volcano. <i>Earth, Planets and Space</i> , 2016, 68, .	0.9	83
13	Smooth and rapid slip near the Japan Trench during the 2011 Tohoku-oki earthquake revealed by a hybrid back-projection method. <i>Earth and Planetary Science Letters</i> , 2012, 355-356, 94-101.	1.8	74
14	Static stress change from the 8 October, 2005 M = 7.6 Kashmir earthquake. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	69
15	Co-seismic slip, post-seismic slip, and largest aftershock associated with the 1994 Sanriku-haruka-oki, Japan, earthquake. <i>Geophysical Research Letters</i> , 2003, 30, .	1.5	66
16	Co-seismic slip, post-seismic slip, and aftershocks associated with two large earthquakes in 1996 in Hyuga-nada, Japan. <i>Earth, Planets and Space</i> , 2001, 53, 793-803.	0.9	62
17	Improving back projection imaging with a novel physicsâ€based aftershock calibration approach: A case study of the 2015 Gorkha earthquake. <i>Geophysical Research Letters</i> , 2016, 43, 628-636.	1.5	61
18	Importance of covariance components in inversion analyses of densely sampled observed data: an application to waveform data inversion for seismic source processes. <i>Geophysical Journal International</i> , 2008, 175, 215-221.	1.0	51

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19	Comparison of the coseismic rupture with the aftershock distribution in the Hyuga-nada Earthquakes of 1996. <i>Geophysical Research Letters</i> , 1999, 26, 3161-3164.	1.5	47
20	Back-propagating supershear rupture in the 2016 Mw 7.1 Romanche transform fault earthquake. <i>Nature Geoscience</i> , 2020, 13, 647-653.	5.4	46
21	Partitioning between seismogenic and aseismic slip as highlighted from slow slip events in Hyuga-nada, Japan. <i>Geophysical Research Letters</i> , 2003, 30, .	1.5	40
22	A method for the joint inversion of geodetic and seismic waveform data using ABIC: application to the 1997 Manyi, Tibet, earthquake. <i>Geophysical Journal International</i> , 2014, 196, 1564-1579.	1.0	40
23	Waveform inversion for seismic source processes using ABIC with two sorts of prior constraints: Comparison between proper and improper formulations. <i>Geophysical Research Letters</i> , 2003, 30, .	1.5	38
24	Source process of the 12 May 2008 Wenchuan, China, earthquake determined by waveform inversion of teleseismic body waves with a data covariance matrix. <i>Earth, Planets and Space</i> , 2012, 64, e13-e16.	0.9	38
25	Relationship between High-frequency Radiation and Asperity Ruptures, Revealed by Hybrid Back-projection with a Non-planar Fault Model. <i>Scientific Reports</i> , 2014, 4, 7120.	1.6	37
26	Rupture Process During the 2015 Illapel, Chile Earthquake: Zigzag-Along-Dip Rupture Episodes. <i>Pure and Applied Geophysics</i> , 2016, 173, 1011-1020.	0.8	37
27	Coseismic and postseismic stress changes in a subducting plate: Possible stress interactions between large interplate thrust and intraplate normal-faulting earthquakes. <i>Journal of Geophysical Research</i> , 2002, 107, ESE 5-1-ESE 5-12.	3.3	33
28	Rebuilding seismology. <i>Nature</i> , 2011, 473, 146-148.	13.7	32
29	Development of an inversion method to extract information on fault geometry from teleseismic data. <i>Geophysical Journal International</i> , 2020, 220, 1055-1065.	1.0	29
30	Plate boundary slip associated with the 2003 Off-Tokachi earthquake based on small repeating earthquake data. <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	28
31	Theoretical relationship between back-projection imaging and classical linear inverse solutions. <i>Geophysical Journal International</i> , 2014, 196, 552-559.	1.0	27
32	Role of geometric barriers in irregular-rupture evolution during the 2008 Wenchuan earthquake. <i>Geophysical Journal International</i> , 2018, 212, 1657-1664.	1.0	27
33	The 2018 Sulawesi tsunami in Palu city as a result of several landslides and coseismic tsunamis. <i>Coastal Engineering Journal</i> , 2020, 62, 445-459.	0.7	26
34	Development and application of a tsunami fragility curve of the 2015 tsunami in Coquimbo, Chile. <i>Natural Hazards and Earth System Sciences</i> , 2018, 18, 2143-2160.	1.5	25
35	Coseismic slip distribution of the 2005 off Miyagi earthquake (M7.2) estimated by inversion of teleseismic and regional seismograms. <i>Earth, Planets and Space</i> , 2006, 58, 1549-1554.	0.9	24
36	Source Process of the Hyuga-nada Earthquake of April 1, 1968 (<i>M</i>=7.5), and its Relationship to the Subsequent Seismicity. <i>Zisin (Journal of the Seismological Society of Japan 2nd Ser)</i> , 1998, 51, 139-148.	0.0	23

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37	Fluid-driven seismicity activation in northern Nagano region after the 2011 M_w 9.0 Tohoku earthquake. <i>Geophysical Research Letters</i> , 2014, 41, 7524-7531.	1.5	21
38	Depth dependence of rupture velocity in deep earthquakes. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	20
39	Rupture Process of the 2020 Caribbean Earthquake Along the Oriente Transform Fault, Involving Supershear Rupture and Geometric Complexity of Fault. <i>Geophysical Research Letters</i> , 2021, 48, .	1.5	19
40	Slip-weakening distance in dynamic rupture of in-slab normal-faulting earthquakes. <i>Geophysical Journal International</i> , 2003, 155, 443-455.	1.0	18
41	Characteristics of foreshock activity inferred from the JMA earthquake catalog. <i>Earth, Planets and Space</i> , 2018, 70, .	0.9	18
42	Inchworm-like source evolution through a geometrically complex fault fueled persistent supershear rupture during the 2018 Palu Indonesia earthquake. <i>Earth and Planetary Science Letters</i> , 2020, 547, 116449.	1.8	18
43	Volcanic magma reservoir imaged as a low-density body beneath Aso volcano that terminated the 2016 Kumamoto earthquake rupture. <i>Earth, Planets and Space</i> , 2016, 68, .	0.9	17
44	Construction of fault geometry by finite-fault inversion of teleseismic data. <i>Geophysical Journal International</i> , 2020, 224, 1003-1014.	1.0	17
45	Rupture process and coseismic deformations of the 27 February 2010 Maule earthquake, Chile. <i>Earth, Planets and Space</i> , 2011, 63, 955-959.	0.9	15
46	Earthquake source characterization, moment tensor solutions, and stress field of small-moderate earthquakes occurred in the northern Red Sea Triple Junction. <i>Geosciences Journal</i> , 2017, 21, 235-251.	0.6	15
47	The dynamic rupture process of the 2001 Geiyo, Japan, earthquake. <i>Geophysical Research Letters</i> , 2004, 31, n/a-n/a.	1.5	14
48	Rupture process of four medium-sized earthquakes that occurred in the Gulf of California. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	11
49	Backprojection to image slip. <i>Geophysical Journal International</i> , 2019, 216, 1529-1537.	1.0	11
50	Back-propagating rupture evolution within a curved slab during the 2019 M_w 8.0 Peru intraslab earthquake. <i>Geophysical Journal International</i> , 2021, 227, 1602-1611.	1.0	11
51	Illuminating a Contorted Slab With a Complex Intraslab Rupture Evolution During the 2021 M_w 7.3 East Cape, New Zealand Earthquake. <i>Geophysical Research Letters</i> , 2021, 48, .	1.5	11
52	Remote triggering of seismicity at Japanese volcanoes following the 2016 M_w 7.3 Kumamoto earthquake. <i>Earth, Planets and Space</i> , 2016, 68, .	0.9	10
53	Consecutive ruptures on a complex conjugate fault system during the 2018 Gulf of Alaska earthquake. <i>Scientific Reports</i> , 2021, 11, 5979.	1.6	10
54	A comparison between D_c -values obtained from a dynamic rupture model and waveform inversion. <i>Geophysical Research Letters</i> , 2005, 32, n/a-n/a.	1.5	9

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55	Fast crustal deformation computing method for multiple computations accelerated by a graphics processing unit cluster. <i>Geophysical Journal International</i> , 2017, 210, 787-800.	1.0	8
56	A Bayesian inference framework for fault slip distributions based on ensemble modelling of the uncertainty of underground structure: with a focus on uncertain fault dip. <i>Geophysical Journal International</i> , 2021, 225, 1392-1411.	1.0	7
57	An interpretation of tsunami earthquake based on a simple dynamic model: Failure of shallow megathrust earthquake. <i>Geophysical Research Letters</i> , 2013, 40, 1523-1527.	1.5	6
58	Implementation of integrated multi-channel analysis of surface waves and waveform inversion techniques for seismic hazard estimation. <i>Arabian Journal of Geosciences</i> , 2016, 9, 1.	0.6	6
59	Dependence of seismic and radiated energy on shorter wavelength components. <i>Geophysical Journal International</i> , 2017, 209, 1585-1592.	1.0	6
60	Potency density tensor inversion of complex body waveforms with time-adaptive smoothing constraint. <i>Geophysical Journal International</i> , 2022, 231, 91-107.	1.0	6
61	Coseismic Slip Distribution of the 2005 Miyagi-Oki (M 7.2) Earthquake Estimated by Inversion of Strong-motion and Teleseismic Waveforms. <i>Zisin (Journal of the Seismological Society of Japan 2nd)</i> Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.7	6
62	Materials Science and Seismological Approaches to Understanding Seismogenic Processes Partitioning between Co-seismic Slip and A-seismic Slip. <i>Journal of Geography (Chigaku Zasshi)</i> , 2003, 112, 828-836.	0.1	5
63	Irregular rupture propagation and geometric fault complexities during the 2010 Mw 7.2 El Mayor-Cucapah earthquake. <i>Scientific Reports</i> , 2022, 12, 4575.	1.6	5
64	Constraints on the early-stage rupture process of the 2011 Tohoku-oki earthquake from 1-Hz GPS data. <i>Earth, Planets and Space</i> , 2012, 64, 1093-1099.	0.9	4
65	Rupture Process During the 2015 Illapel, Chile Earthquake: Zigzag-Along-Dip Rupture Episodes. , 2017, , 23-32.		4
66	Seismic Source Process of the 2011 Tohoku-oki Earthquake. <i>Zisin (Journal of the Seismological Society)</i> Tj ETQq0 0.0 rgBT /Overlock 10	0.0	4
67	Triggering and decay characteristics of dynamically activated seismicity in Southwest Japan. <i>Geophysical Journal International</i> , 2018, 212, 1010-1021.	1.0	3
68	Nucleation process of the 2011 northern Nagano earthquake from nearby seismic observations. <i>Scientific Reports</i> , 2021, 11, 8143.	1.6	3
69	Absolute strain release in the 2011 Tohoku-oki Earthquake:. <i>Journal of the Geological Society of Japan</i> , 2012, 118, 396-409.	0.2	3
70	Complex rupture process on the conjugate fault system of the 2014 Mw 6.2 Thailand earthquake. <i>Progress in Earth and Planetary Science</i> , 2022, 9, .	1.1	3
71	etas_solve: A Robust Program to Estimate the ETAS Model Parameters. <i>Seismological Research Letters</i> , 2016, 87, 1143-1149.	0.8	2
72	The 16 September 2015 Chile Tsunami from the Post-Tsunami Survey and Numerical Modeling Perspectives. , 2017, , 219-234.		2

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73	Developments of Seismic Source Process Analysis Method. Zisin (Journal of the Seismological Society) Tj ETQq1 1 0,784314 rgBT /Over	0.0	1
74	Filtering Effect in Waveform Data Inversion for Seismic Source Process. Zisin (Journal of the) Tj ETQq0 0 0 rgBT /Overlock 10 If 50 702 T	0.0	1
75	Unusual low-angle normal fault earthquakes after the 2011 Tohoku-oki megathrust earthquake. Earth, Planets and Space, 2015, 67, .	0.9	1