

# Yosihiko Ogata

## List of Publications by Year in descending order

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46  
papers

5,097  
citations

218677

26  
h-index

243625

44  
g-index

47  
all docs

47  
docs citations

47  
times ranked

1924  
citing authors

#	ARTICLE	IF	CITATIONS
1	Statistical Models for Earthquake Occurrences and Residual Analysis for Point Processes. Journal of the American Statistical Association, 1988, 83, 9-27.	3.1	1,603
2	Space-Time Point-Process Models for Earthquake Occurrences. Annals of the Institute of Statistical Mathematics, 1998, 50, 379-402.	0.8	873
3	Stochastic Declustering of Space-Time Earthquake Occurrences. Journal of the American Statistical Association, 2002, 97, 369-380.	3.1	548
4	Analyzing earthquake clustering features by using stochastic reconstruction. Journal of Geophysical Research, 2004, 109, .	3.3	248
5	Space-time ETAS models and an improved extension. Tectonophysics, 2006, 413, 13-23.	2.2	241
6	Detecting fluid signals in seismicity data through statistical earthquake modeling. Journal of Geophysical Research, 2005, 110, .	3.3	232
7	A study on the background and clustering seismicity in the Taiwan region by using point process models. Journal of Geophysical Research, 2005, 110, .	3.3	114
8	Significant improvements of the space-time ETAS model for forecasting of accurate baseline seismicity. Earth, Planets and Space, 2011, 63, 217-229.	2.5	97
9	Detection of anomalous seismicity as a stress change sensor. Journal of Geophysical Research, 2005, 110, .	3.3	76
10	Forecasting large aftershocks within one day after the main shock. Scientific Reports, 2013, 3, 2218.	3.3	75
11	Space-time model for regional seismicity and detection of crustal stress changes. Journal of Geophysical Research, 2004, 109, .	3.3	73
12	When and where the aftershock activity was depressed: Contrasting decay patterns of the proximate large earthquakes in southern California. Journal of Geophysical Research, 2003, 108, .	3.3	71
13	Immediate and updated forecasting of aftershock hazard. Geophysical Research Letters, 2006, 33, n/a-n/a.	4.0	69
14	Modelling heterogeneous space-time occurrences of earthquakes and its residual analysis. Journal of the Royal Statistical Society Series C: Applied Statistics, 2003, 52, 499-509.	1.0	57
15	Estimating the ETAS model from an early aftershock sequence. Geophysical Research Letters, 2014, 41, 850-857.	4.0	46
16	Forecasting the magnitude of the largest expected earthquake. Nature Communications, 2019, 10, 4051.	12.8	46
17	Differences between spontaneous and triggered earthquakes: Their influences on foreshock probabilities. Journal of Geophysical Research, 2008, 113, .	3.3	44
18	Seismicity and geodetic anomalies in a wide area preceding the Niigata-Ken Chuetsu earthquake of 23 October 2004, central Japan. Journal of Geophysical Research, 2007, 112, .	3.3	40

#	ARTICLE	IF	CITATIONS
19	Intermediate-term forecasting of aftershocks from an early aftershock sequence: Bayesian and ensemble forecasting approaches. <i>Journal of Geophysical Research: Solid Earth</i> , 2015, 120, 2561-2578.	3.4	40
20	Empirical Bayes Age-Period-Cohort Analysis of Retrospective Incidence Data. <i>Scandinavian Journal of Statistics</i> , 2000, 27, 415-432.	1.4	38
21	Statistics of Earthquake Activity: Models and Methods for Earthquake Predictability Studies. <i>Annual Review of Earth and Planetary Sciences</i> , 2017, 45, 497-527.	11.0	38
22	Likelihood Analysis of Spatial Point Patterns. <i>Journal of the Royal Statistical Society Series B: Methodological</i> , 1984, 46, 496-518.	0.7	37
23	Improvements of the Maximum Pseudo-Likelihood Estimators in Various Spatial Statistical Models. <i>Journal of Computational and Graphical Statistics</i> , 1999, 8, 510-530.	1.7	34
24	Quantitative description of induced seismic activity before and after the 2011 Tohoku-Oki earthquake by nonstationary ETAS models. <i>Journal of Geophysical Research: Solid Earth</i> , 2013, 118, 6165-6182.	3.4	34
25	Preliminary Analysis of Observations on the Ultra-Low Frequency Electric Field in the Beijing Region. <i>Pure and Applied Geophysics</i> , 2005, 162, 1367-1396.	1.9	33
26	Automatic Aftershock Forecasting: A Test Using Real-Time Seismicity Data in Japan. <i>Bulletin of the Seismological Society of America</i> , 2016, 106, 2450-2458.	2.3	28
27	Precursory seismic anomalies and transient crustal deformation prior to the 2008 $M_w = 6.9$ Iwate-Miyagi Nairiku, Japan, earthquake. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	26
28	Synchronous seismicity changes in and around the northern Japan preceding the 2003 Tokachi-oki earthquake of $M 8.0$ . <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	25
29	Monitoring of anomaly in the aftershock sequence of the 2005 earthquake of $M 7.0$ off coast of the western Fukuoka, Japan, by the ETAS model. <i>Geophysical Research Letters</i> , 2006, 33, n/a-n/a.	4.0	24
30	Implementation of a Real-Time System for Automatic Aftershock Forecasting in Japan. <i>Seismological Research Letters</i> , 2019, 90, 242-250.	1.9	21
31	Constraining the magnitude of the largest event in a foreshock-main shock-aftershock sequence. <i>Geophysical Journal International</i> , 2018, 212, 1-13.	2.4	19
32	Exploratory analysis of earthquake clusters by likelihood-based trigger models. <i>Journal of Applied Probability</i> , 2001, 38, 202-212.	0.7	18
33	Exploratory analysis of earthquake clusters by likelihood-based trigger models. <i>Journal of Applied Probability</i> , 2001, 38, 202-212.	0.7	18
34	Seismicity quiescence and activation in western Japan associated with the 1944 and 1946 great earthquakes near the Nankai trough. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	17
35	Slip-size-dependent renewal processes and Bayesian inferences for uncertainties. <i>Journal of Geophysical Research</i> , 2002, 107, ESE 1-1-ESE 1-14.	3.3	16
36	Bridging great earthquake doublets through silent slip: On- and off-fault aftershocks of the 2006 Kuril Island subduction earthquake toggled by a slow slip on the outer rise normal fault of the 2007 great earthquake. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	14

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37	Comparison of Two Methods for Calculating the Partition Functions of Various Spatial Statistical Models. Australian and New Zealand Journal of Statistics, 2001, 43, 47-65.	0.9	12
38	Exploring Magnitude Forecasting of the Next Earthquake. Seismological Research Letters, 2018, 89, 1298-1304.	1.9	11
39	Space-time model for repeating earthquakes and analysis of recurrence intervals on the San Andreas Fault near Parkfield, California. Journal of Geophysical Research: Solid Earth, 2014, 119, 7092-7122.	3.4	10
40	Space-time heterogeneity in aftershock activity. Geophysical Journal International, 2010, , no-no.	2.4	7
41	Forecasting of a Large Earthquake: An Outlook of the Research. Seismological Research Letters, 2017, 88, 1117-1126.	1.9	7
42	High-resolution 3D earthquake forecasting beneath the greater Tokyo area. Earth, Planets and Space, 2019, 71, .	2.5	7
43	Modeling and Forecasting Aftershocks Can Be Improved by Incorporating Rupture Geometry in the ETAS Model. Geophysical Research Letters, 2019, 46, 12881-12889.	4.0	6
44	Prediction and validation of short-to-long-term earthquake probabilities in inland Japan using the hierarchical space-time ETAS and space-time Poisson process models. Earth, Planets and Space, 2022, 74, .	2.5	4
45	Wide-area seismicity anomalies before the 2011 Tohoku-Oki earthquake. Geophysical Journal International, 2020, 223, 1304-1312.	2.4	0
46	Quiescence Relative to the ETAS Model. Zisin (Journal of the Seismological Society of Japan 2nd Ser ), 1998, 50, 115-127.	0.2	0