

A generalized Omori's law for earthquake aftershock de

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Model for the Distribution of Aftershock Interoccurrence Times. <i>Physical Review Letters</i> , 2005, 95, 218501.	2.9	99
2	Relation between mainshock rupture process and Omori's law for aftershock moment release rate. <i>Geophysical Journal International</i> , 2005, 163, 1039-1048.	1.0	66
3	Correlations in aftershock and seismicity patterns. <i>Tectonophysics</i> , 2006, 413, 53-62.	0.9	16
4	Modelling fundamental waiting time distributions for earthquake sequences. <i>Tectonophysics</i> , 2006, 424, 195-208.	0.9	18
5	Physics of the Omori law: Inferences from interevent time distributions and pore pressure diffusion modeling. <i>Tectonophysics</i> , 2006, 424, 209-222.	0.9	12
6	Scaling Properties of the Parkfield Aftershock Sequence. <i>Bulletin of the Seismological Society of America</i> , 2006, 96, 2472-0.	1.1	9
7	Oscillatory regime of aftershocks of the 1984 Ddzhirgatal earthquake: Implications for the internal dynamics of an unstable geological system. <i>Izvestiya, Physics of the Solid Earth</i> , 2006, 42, 13-26.	0.2	1
8	Can Damage Mechanics Explain Temporal Scaling Laws in Brittle Fracture and Seismicity?. <i>Pure and Applied Geophysics</i> , 2006, 163, 1031-1045.	0.8	18
9	Aftershock Detection Thresholds as a Function of Time: Results from the ANZA Seismic Network following the 31 October 2001 ML 5.1 Anza, California, Earthquake. <i>Bulletin of the Seismological Society of America</i> , 2007, 97, 780-792.	1.1	15
10	Seismicity rate immediately before and after main shock rupture from high-frequency waveforms in Japan. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	139
11	Quantifying early aftershock activity of the 2004 mid-Niigata Prefecture earthquake (Mw6.6). <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	87
12	Decay of aftershock activity for Japanese earthquakes. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	39
13	BASS, an alternative to ETAS. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	73
14	Dynamical scaling and generalized Omori law. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	30
15	Complexity and Earthquakes. , 2007, , 675-700.		2
16	Post-seismic motion following the 1997 Manyi (Tibet) earthquake: InSAR observations and modelling. <i>Geophysical Journal International</i> , 2007, 169, 1009-1027.	1.0	141
17	Probabilistic aftershock hazard assessment II: application of strong ground motion simulations. <i>Journal of Seismology</i> , 2008, 12, 65-78.	0.6	10
18	Probabilistic aftershock hazard assessment I: numerical testing of methodological features. <i>Journal of Seismology</i> , 2008, 12, 53-64.	0.6	3

#	ARTICLE	IF	CITATIONS
19	The partitioning of radiated energy and the largest aftershock of seismic sequences occurred in the northeastern Italy and western Slovenia. <i>Journal of Seismology</i> , 2008, 12, 343-354.	0.6	20
20	A Review of Earthquake Statistics: Fault and Seismicity-Based Models, ETAS and BASS. <i>Pure and Applied Geophysics</i> , 2008, 165, 1003-1024.	0.8	23
21	Self-similar branching of aftershock sequences. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008, 387, 933-943.	1.2	26
22	Comparison of early aftershock sequences for the 2004 Mid-Niigata and 2007 Noto Hanto earthquakes in central Japan. <i>Earth, Planets and Space</i> , 2008, 60, 151-154.	0.9	5
23	A Very Close Look at a Moderate Earthquake near Sudbury, Ontario. <i>Seismological Research Letters</i> , 2008, 79, 119-131.	0.8	16
24	Missing data in aftershock sequences: Explaining the deviations from scaling laws. <i>Physical Review E</i> , 2008, 78, 041115.	0.8	18
25	Network of recurrent events for the Olami-Feder-Christensen model. <i>Physical Review E</i> , 2008, 77, 066107.	0.8	14
26	Intraplate Seismicity of a Recently Deglaciated Shield Terrane: A Case Study from Northern Ontario, Canada. <i>Bulletin of the Seismological Society of America</i> , 2008, 98, 2828-2848.	1.1	26
27	Characteristics of the October 2005 Microearthquake Swarm and Reactivation of Similar Event Seismic Swarms over Decadal Time Periods near Socorro, New Mexico. <i>Bulletin of the Seismological Society of America</i> , 2008, 98, 93-105.	1.1	19
28	Loading rates in California inferred from aftershocks. <i>Nonlinear Processes in Geophysics</i> , 2008, 15, 245-263.	0.6	16
29	Implications of an inverse branching aftershock sequence model. <i>Physical Review E</i> , 2009, 79, 016101.	0.8	0
30	GPS measurements of postseismic deformation due to October 8, 2005 Kashmir earthquake. <i>Journal of Seismology</i> , 2009, 13, 415-420.	0.6	13
31	Omori-Utsu Law c-Values Associated with Recent Moderate Earthquakes in Japan. <i>Bulletin of the Seismological Society of America</i> , 2009, 99, 884-891.	1.1	76
32	Common dependence on stress for the two fundamental laws of statistical seismology. <i>Nature</i> , 2009, 462, 642-645.	13.7	124
33	Statistical Properties of Mine Tremor Aftershocks. <i>Pure and Applied Geophysics</i> , 2010, 167, 107-117.	0.8	8
34	Patterns of seismic sequences in the Levant—interpretation of historical seismicity. <i>Journal of Seismology</i> , 2010, 14, 339-367.	0.6	18
35	Spatiotemporal characteristics of aftershock sequences in the South Iceland Seismic Zone: interpretation in terms of pore pressure diffusion and poroelasticity. <i>Geophysical Journal International</i> , 2010, 183, 1104-1118.	1.0	10
36	Intraplate seismicity in Canada: a graph theoretic approach to data analysis and interpretation. <i>Nonlinear Processes in Geophysics</i> , 2010, 17, 513-527.	0.6	6

#	ARTICLE	IF	CITATIONS
37	Multiple-Time Scaling and Universal Behavior of the Earthquake Interevent Time Distribution. <i>Physical Review Letters</i> , 2010, 104, 158501.	2.9	46
38	Spatiotemporal correlations of aftershock sequences. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	8
39	Nonextensivity and natural time: The case of seismicity. <i>Physical Review E</i> , 2010, 82, 021110.	0.8	114
40	Statistical Analysis of the 2002 Mw 7.9 Denali Earthquake Aftershock Sequence. <i>Bulletin of the Seismological Society of America</i> , 2011, 101, 2662-2674.	1.1	12
41	Short-Term Earthquake Forecasting Using Early Aftershock Statistics. <i>Bulletin of the Seismological Society of America</i> , 2011, 101, 297-312.	1.1	23
42	A fractal model of earthquake occurrence: Theory, simulations and comparisons with the aftershock data. <i>Journal of Physics: Conference Series</i> , 2011, 319, 012004.	0.3	15
43	Natural time analysis of the Centennial Earthquake Catalog. <i>Chaos</i> , 2012, 22, 023123.	1.0	37
44	Predictability of the coherent-noise model and its applications. <i>Physical Review E</i> , 2012, 85, 051136.	0.8	8
45	Statistical analysis of the 2010 <i>M<sub>w</sub></i> 7.1 Darfield Earthquake aftershock sequence. <i>New Zealand Journal of Geology, and Geophysics</i> , 2012, 55, 305-311.	1.0	26
46	Including Foreshocks and Aftershocks in Time-Independent Probabilistic Seismic-Hazard Analyses. <i>Bulletin of the Seismological Society of America</i> , 2012, 102, 909-917.	1.1	57
47	Radiated energy evolution during seismic sequences. <i>Physics of the Earth and Planetary Interiors</i> , 2012, 196-197, 49-61.	0.7	0
48	Bayesian analysis of the modified Omori law. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	48
49	Order parameter fluctuations in natural time and β -value variation before large earthquakes. <i>Natural Hazards and Earth System Sciences</i> , 2012, 12, 3473-3481.	1.5	28
50	Statistical Variability and Tokunaga Branching of Aftershock Sequences Utilizing BASS Model Simulations. <i>Pure and Applied Geophysics</i> , 2013, 170, 155-171.	0.8	14
51	Aftershock Statistics of the 1999 Chiâ€Chi, Taiwan Earthquake and the Concept of Omori Times. <i>Pure and Applied Geophysics</i> , 2013, 170, 221-228.	0.8	6
52	Magnitude correlations in the Olami-Feder-Christensen model. <i>Europhysics Letters</i> , 2013, 102, 59002.	0.7	10
53	Scaling Properties of Aftershock Sequences in Algeria-Morocco Region. , 2013, , .		2
54	Scale free properties in a network-based integrated approach to earthquake pattern analysis. <i>Nonlinear Processes in Geophysics</i> , 2014, 21, 427-438.	0.6	6

#	ARTICLE	IF	CITATIONS
55	-exponential relaxation of the expected avalanche size in the coherent noise model. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014, 407, 216-225.	1.2	9
56	Time-dependent brittle creep as a mechanism for time-delayed wellbore failure. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2014, 70, 400-406.	2.6	40
57	Goal Tree Success Treeâ€“Dynamic Master Logic Diagram and Monte Carlo simulation for the safety and resilience assessment of a multistate system of systems. <i>Engineering Structures</i> , 2014, 59, 411-433.	2.6	23
58	Bayesian confidence intervals for the magnitude of the largest aftershock. <i>Geophysical Research Letters</i> , 2014, 41, 6380-6388.	1.5	10
59	Analogies Between the Cracking Noise of Ethanol-Dampened Charcoal and Earthquakes. <i>Physical Review Letters</i> , 2015, 115, 025503.	2.9	52
60	Dike intrusions during rifting episodes obey scaling relationships similar to earthquakes. <i>Scientific Reports</i> , 2014, 4, 3886.	1.6	8
61	Minima of the fluctuations of the order parameter of global seismicity. <i>Chaos</i> , 2015, 25, 063110.	1.0	17
62	Complexity and Earthquakes. , 2015, , 627-653.		9
63	Assessment of Seismic Performance of Buildings with Incorporation of Aftershocks. <i>Journal of Performance of Constructed Facilities</i> , 2015, 29, .	1.0	42
64	Aspects of Structure in Earthquake Networks. <i>Pure and Applied Geophysics</i> , 2015, 172, 1865-1878.	0.8	1
65	Generalized Omoriâ€“Utsu law for aftershock sequences in southern California. <i>Geophysical Journal International</i> , 2015, 201, 965-978.	1.0	58
66	Sustained acoustic emissions following tensile crack propagation in a crystalline rock. <i>International Journal of Fracture</i> , 2015, 193, 87-98.	1.1	37
67	A new expression for the earthquake interevent time distribution. <i>Geophysical Journal International</i> , 2015, 202, 219-223.	1.0	13
68	A Comparison of Seismicity Characteristics and Fault Structure Between Stickâ€“Slip Experiments and Nature. <i>Pure and Applied Geophysics</i> , 2015, 172, 2247-2264.	0.8	34
69	Near-Field ETAS Constraints and Applications to Seismic Hazard Assessment. <i>Pure and Applied Geophysics</i> , 2015, 172, 2277-2293.	0.8	8
70	E-DECIDER: Using Earth Science Data and Modeling Tools to Develop Decision Support for Earthquake Disaster Response. <i>Pure and Applied Geophysics</i> , 2015, 172, 2305-2324.	0.8	7
71	Background seismicity in Boso Peninsula, Japan: Longâ€“term acceleration, and relationship with slow slip events. <i>Geophysical Research Letters</i> , 2016, 43, 5671-5679.	1.5	20
72	A tentative model for the explanation of BÃ¥th law using the order parameter of seismicity in natural time. <i>Earthquake Science</i> , 2016, 29, 311-319.	0.4	7

#	ARTICLE	IF	CITATIONS
73	Power-law rheology controls aftershock triggering and decay. <i>Scientific Reports</i> , 2016, 6, 36668.	1.6	16
74	Aftershock Decay Rates in the Iranian Plateau. <i>Pure and Applied Geophysics</i> , 2016, 173, 2305-2324.	0.8	12
75	Bayesian estimation of the Modified Omori Law parameters for the Iranian Plateau. <i>Journal of Seismology</i> , 2016, 20, 953-970.	0.6	10
76	Apparent triggering function of aftershocks resulting from rate-dependent incompleteness of earthquake catalogs. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 6499-6509.	1.4	50
77	How Long is an Aftershock Sequence?. <i>Pure and Applied Geophysics</i> , 2016, 173, 2295-2304.	0.8	7
78	Statistical physics approach to earthquake occurrence and forecasting. <i>Physics Reports</i> , 2016, 628, 1-91.	10.3	137
79	Rate-Dependent Incompleteness of Earthquake Catalogs. <i>Seismological Research Letters</i> , 2016, 87, 337-344.	0.8	99
80	Oscillatory tendency of interevent direction in earthquake sequences. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 478, 120-130.	1.2	1
81	Power-law relaxation in human violent conflicts. <i>European Physical Journal B</i> , 2017, 90, 1.	0.6	2
82	Longer aftershocks duration in extensional tectonic settings. <i>Scientific Reports</i> , 2017, 7, 16403.	1.6	22
83	Depth dependent stress revealed by aftershocks. <i>Nature Communications</i> , 2017, 8, 1317.	5.8	45
84	Seismic hazard assessment of the Kivu rift segment based on a new seismotectonic zonation model (western branch, East African Rift system). <i>Journal of African Earth Sciences</i> , 2017, 134, 831-855.	0.9	44
85	Spatial Evaluation and Verification of Earthquake Simulators. <i>Pure and Applied Geophysics</i> , 2017, 174, 2279-2293.	0.8	5
86	An Application of the Coherent Noise Model for the Prediction of Aftershock Magnitude Time Series. <i>Complexity</i> , 2017, 2017, 1-27.	0.9	12
87	The $M_w = 5.8$ 14 August 2016 middle Sakhalin earthquake on a boundary between Okhotsk and Eurasian (Amurian) plates. <i>Journal of Seismology</i> , 2018, 22, 943-955.	0.6	4
88	Probabilistic aftershock hazard analysis, two case studies in West and Northwest Iran. <i>Journal of Seismology</i> , 2018, 22, 137-152.	0.6	6
89	Constraining the magnitude of the largest event in a foreshock-main shock-aftershock sequence. <i>Geophysical Journal International</i> , 2018, 212, 1-13.	1.0	19
90	Detection of Gutenberg-Richter Value Changes in Earthquake Time Series. <i>Bulletin of the Seismological Society of America</i> , 2018, 108, 2778-2787.	1.1	9

#	ARTICLE	IF	CITATIONS
91	Strong ground motion from the November 12, 2017, M 7.3 Kermanshah earthquake in western Iran. <i>Journal of Seismology</i> , 2018, 22, 1339-1358.	0.6	19
92	Spatiotemporal Clustering of Seismic Occurrence and Its Implementation in Forecasting Models. , 2018, , 61-93.		1
93	Natural Time Analysis of Seismic Time Series. , 2018, , 199-235.		3
94	Creeplike behavior in athermal threshold dynamics: Effects of disorder and stress. <i>Physical Review E</i> , 2018, 97, 062149.	0.8	7
95	Stochastic procedure for the simulation of synthetic main shockâ€œaftershock ground motion sequences. <i>Earthquake Engineering and Structural Dynamics</i> , 2018, 47, 2275-2296.	2.5	29
96	Hierarchical block model for earthquakes. <i>Physical Review E</i> , 2018, 97, 062130.	0.8	8
97	Statistical modelling of co-seismic knickpoint formation and river response to fault slip. <i>Earth Surface Dynamics</i> , 2019, 7, 681-706.	1.0	5
98	Laboratory Modeling of Aftershock Sequences: Stress Dependences of the Omori and Gutenbergâ€œRichter Parameters. <i>Izvestiya, Physics of the Solid Earth</i> , 2019, 55, 124-137.	0.2	14
99	Seismic cycles, earthquakes, landslides and sediment fluxes: Linking tectonics to surface processes using a reduced-complexity model. <i>Geomorphology</i> , 2019, 339, 87-103.	1.1	47
100	Post Seismic Catalog Incompleteness and Aftershock Forecasting. <i>Geosciences (Switzerland)</i> , 2019, 9, 355.	1.0	14
101	Updated California Aftershock Parameters. <i>Seismological Research Letters</i> , 2019, 90, 262-270.	0.8	28
102	Residual Strain Mechanism of Aftershocks and Exponents of the Modified Omori's Law. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 175-194.	1.4	4
103	The 15 February 2014 MwÂ4.1 South Carolina Earthquake Sequence: Aftershock Productivity, Hypocentral Depths, and Stress Drops. <i>Seismological Research Letters</i> , 2020, 91, 452-464.	0.8	6
104	Non-trivial avalanches triggered by shear banding in compression of metallic glass foams. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2020, 476, .	1.0	3
105	Magnitude correlations in a self-similar aftershock rates model of seismicity. <i>Nonlinear Processes in Geophysics</i> , 2020, 27, 1-9.	0.6	0
106	Variability of ETAS Parameters in Global Subduction Zones and Applications to Mainshockâ€œAftershock Hazard Assessment. <i>Bulletin of the Seismological Society of America</i> , 2020, 110, 191-212.	1.1	10
107	Global models for short-term earthquake forecasting and predictive skill assessment. <i>European Physical Journal: Special Topics</i> , 2021, 230, 425-449.	1.2	19
108	Statistics and Forecasting of Aftershocks During the 2019 Ridgecrest, California, Earthquake Sequence. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB020887.	1.4	12

#	ARTICLE	IF	CITATIONS
110	Symptomatic discretization of small earthquake clusters reveals seismic coupling to 2017 Bodrum earthquake (Mw 6.6) in the Gulf of Gökova (SW corner of Turkey): Viscous-compliant seismogenesis over back-arc setting. <i>Journal of African Earth Sciences</i> , 2021, 177, 104156.	0.9	3
111	Immediate Foreshocks Indicating Cascading Rupture Developments for 527 0.9 to 5.4 Ridgecrest Earthquakes. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL095704.	1.5	16
112	Aftershock Statistics. , 0, , 1051-1076.		2
113	Earthquake productivity law. <i>Geophysical Journal International</i> , 2020, 222, 1264-1269.	1.0	28
114	The 31 March 2020 Mw 6.5 Stanley, Idaho, Earthquake: Seismotectonics and Preliminary Aftershock Analysis. <i>Seismological Research Letters</i> , 2021, 92, 663-678.	0.8	14
115	Application of Omori's Decay Law to the 2001 Bhuj Aftershock Sequence for Kachchh Region of Western India. <i>Open Journal of Earthquake Research</i> , 2015, 04, 94-101.	0.9	3
116	Statistical properties of earthquakes clustering. <i>Nonlinear Processes in Geophysics</i> , 2008, 15, 333-338.	0.6	13
117	Correlated earthquakes in a self-organized model. <i>Nonlinear Processes in Geophysics</i> , 2009, 16, 233-240.	0.6	9
118	A fault and seismicity based composite simulation in northern California. <i>Nonlinear Processes in Geophysics</i> , 2011, 18, 955-966.	0.6	9
119	A Review of Earthquake Statistics: Fault and Seismicity-Based Models, ETAS and BASS. , 2008, , 1003-1024.		1
120	Natural Time Analysis of Seismicity. , 2011, , 247-289.		0
121	Chaotic behavior of seismic mechanisms: experiment and observation. <i>Annals of Geophysics</i> , 2012, 55, .	0.5	0
122	Spatial Evaluation and Verification of Earthquake Simulators. <i>Pageoph Topical Volumes</i> , 2018, , 85-99.	0.2	0
123	Statistical Properties of Aftershocks for Ahar-Varzeghan Twin Earthquakes on 11 August 2012, NW Iran, and Investigation of Seismicity of North Tabriz Fault. <i>International Journal of Geosciences</i> , 2018, 09, 106-118.	0.2	0
124	Seismicity characterization of oceanic earthquakes in the Mexican territory. <i>Solid Earth</i> , 2020, 11, 791-806.	1.2	4
125	Triggered Seismicity in Northern Algeria from a Statistical Modeling. <i>Civil Engineering and Architecture</i> , 2020, 8, 1491-1496.	0.2	0
126	OKSP: A Novel Deep Learning Automatic Event Detection Pipeline for Seismic Monitoring in Costa Rica. , 2021, , .		1
127	Aftershock patterns of the 2021 Mw 6.3 Northern Thessaly (Greece) earthquake. <i>Journal of Seismology</i> , 2022, 26, 201.	0.6	8

#	ARTICLE	IF	CITATIONS
128	Prospective and Retrospective Evaluation of the U.S. Geological Survey Public Aftershock Forecast for the 2019–2021 Southwest Puerto Rico Earthquake and Aftershocks. <i>Seismological Research Letters</i> , 2022, 93, 620-640.	0.8	9
129	The aftershock sequence at a deep nickel mine: temporal and spatial distribution, magnitude distribution, and aftershock decay following major events. <i>Acta Geophysica</i> , 0, , 1.	1.0	0
130	Exponential decay law of acoustic emission and microseismic activities caused by disturbances associated with multilevel loading and mining blast. <i>Transactions of Nonferrous Metals Society of China</i> , 2021, 31, 3549-3563.	1.7	2
131	Embracing Data Incompleteness for Better Earthquake Forecasting. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, .	1.4	11
134	Heralds of Future Volcanism: Swarms of Microseismicity Beneath the Submarine Kolumbo Volcano Indicate Opening of Near-Vertical Fractures Exploited by Ascending Melts. <i>Geochemistry, Geophysics, Geosystems</i> , 2022, 23, .	1.0	7
135	Are Large Earthquakes Preferentially Triggered by Other Large Events?. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	1.4	7
136	Seismically active structures of the Main Himalayan Thrust revealed before, during and after the 2015 Mw 7.9 Gorkha earthquake in Nepal. <i>Geophysical Journal International</i> , 2022, 232, 451-471.	1.0	5
137	Case-Control Study on a Decade of Ground-Based Magnetometers in California Reveals Modest Signal 24–72 hr Prior to Earthquakes. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	1.4	8
138	Mw ≥ 5 aftershocks of the 2008 Sichuan earthquake: Analysis of temporal variation of Omori Law p-value. <i>Frontiers in Earth Science</i> , 0, 10, .	0.8	2
140	Development of a Bayesian event tree for short-term eruption onset forecasting at TaupÅ volcano. <i>Journal of Volcanology and Geothermal Research</i> , 2022, 432, 107687.	0.8	5
141	The Case of the Velocity Field Imaging in Mine—The Prediction of Rock Instability Risk. , 2023, , 323-345.		0
142	Earthquake Nowcasting: Retrospective Testing in Greece. <i>Entropy</i> , 2023, 25, 379.	1.1	2
143	Evidence of Fluid Induced Earthquake Swarms From High Resolution Earthquake Relocation in the Main Ethiopian Rift. <i>Geochemistry, Geophysics, Geosystems</i> , 2023, 24, .	1.0	2
145	Applications of Natural Time Analysis to Disaster Prediction in Other Disciplines index Natural Time. , 2023, , 293-340.		0