

Eugenio Lippiello

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

90
papers

1,919
citations

25
h-index

40
g-index

99
ext. papers

2,081
ext. citations

3.7
avg, IF

4.94
L-index

#	Paper	IF	Citations
90	Estimating the generation interval from the incidence rate, the optimal quarantine duration and the efficiency of fast switching periodic protocols for COVID-19.. <i>Scientific Reports</i> , 2022 , 12, 4623	4.9	
89	Testing of the foreshock hypothesis within an epidemic like description of seismicity. <i>Geophysical Journal International</i> , 2021 , 225, 1236-1257	2.6	3
88	The Genesis of Aftershocks in Spring Slider Models 2021 , 131-151		0
87	Coexistence of coarsening and mean field relaxation in the long-range Ising chain. <i>SciPost Physics</i> , 2021 , 10,	6.1	1
86	Kinetics of the two-dimensional long-range Ising model at low temperatures. <i>Physical Review E</i> , 2021 , 103, 012108	2.4	3
85	The influence of the brittle-ductile transition zone on aftershock and foreshock occurrence. <i>Nature Communications</i> , 2020 , 11, 3010	17.4	4
84	Growth kinetics and aging phenomena in a frustrated system. <i>European Physical Journal B</i> , 2020 , 93, 1	1.2	2
83	Quasideterministic dynamics, memory effects, and lack of self-averaging in the relaxation of quenched ferromagnets. <i>Physical Review E</i> , 2020 , 102, 020102	2.4	4
82	The Relevance of Foreshocks in Earthquake Triggering: A Statistical Study. <i>Entropy</i> , 2019 , 21,	2.8	11
81	Fault Heterogeneity and the Connection between Aftershocks and Afterslip. <i>Bulletin of the Seismological Society of America</i> , 2019 , 109, 1156-1163	2.3	4
80	One Dimensional Phase-Ordering in the Ising Model with Space Decaying Interactions. <i>Journal of Statistical Physics</i> , 2019 , 176, 510-540	1.5	10
79	Forecasting of the first hour aftershocks by means of the perceived magnitude. <i>Nature Communications</i> , 2019 , 10, 2953	17.4	6
78	Universality in the time correlations of the long-range 1d Ising model. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2019 , 2019, 074002	1.9	7
77	Post Seismic Catalog Incompleteness and Aftershock Forecasting. <i>Geosciences (Switzerland)</i> , 2019 , 9, 355	2.7	3
76	Effects of frustration on fluctuation-dissipation relations. <i>Physical Review E</i> , 2019 , 99, 012131	2.4	2
75	Synchronized oscillations and acoustic fluidization in confined granular materials. <i>Physical Review E</i> , 2018 , 97, 010901	2.4	2
74	Controlled Viscosity in Dense Granular Materials. <i>Physical Review Letters</i> , 2018 , 120, 138001	7.4	8

73	The Overlap of Aftershock Coda Waves and Short-Term Postseismic Forecasting. <i>Journal of Geophysical Research: Solid Earth</i> , 2018 , 123, 5661-5674	3.6	18
72	Induced and endogenous acoustic oscillations in granular faults. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2018 , 377,	3	4
71	Spatiotemporal Clustering of Seismic Occurrence and Its Implementation in Forecasting Models 2018 , 61-93		1
70	Statistical Features of Foreshocks in Instrumental and ETAS Catalogs. <i>Pure and Applied Geophysics</i> , 2017 , 174, 1679-1697	2.2	13
69	Equilibrium structure and off-equilibrium kinetics of a magnet with tunable frustration. <i>Physical Review E</i> , 2017 , 95, 062136	2.4	3
68	Rattler-induced aging dynamics in jammed granular systems. <i>Soft Matter</i> , 2017 , 13, 9132-9137	3.6	6
67	Effective mobility and diffusivity in coarsening processes. <i>Europhysics Letters</i> , 2017 , 119, 26005	1.6	5
66	Scaling laws in earthquake occurrence: Disorder, viscosity, and finite size effects in Olami-Feder-Christensen models. <i>Physical Review E</i> , 2016 , 93, 051001	2.4	10
65	Statistical physics approach to earthquake occurrence and forecasting. <i>Physics Reports</i> , 2016 , 628, 1-91	27.7	103
64	Roughening of an interface in a system with surface or bulk disorder. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2016 , 49, 185001	2	2
63	Real-time forecast of aftershocks from a single seismic station signal. <i>Geophysical Research Letters</i> , 2016 , 43, 6252-6258	4.9	18
62	On a relation between roughening and coarsening. <i>Europhysics Letters</i> , 2016 , 116, 10006	1.6	2
61	Phase ordering in disordered and inhomogeneous systems. <i>Physical Review E</i> , 2015 , 91, 062122	2.4	6
60	Dynamic Weakening by Acoustic Fluidization during Stick-Slip Motion. <i>Physical Review Letters</i> , 2015 , 115, 128001	7.4	20
59	Mechanical origin of aftershocks. <i>Scientific Reports</i> , 2015 , 5, 15560	4.9	24
58	Phase ordering in 3d disordered systems. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2015 , 2015, P10001	1.9	5
57	Nonequilibrium fluctuation-dissipation theorem and heat production. <i>Physical Review Letters</i> , 2014 , 112, 140602	7.4	27
56	Parameter Estimation in the ETAS Model: Approximations and Novel Methods. <i>Bulletin of the Seismological Society of America</i> , 2014 , 104, 985-994	2.3	13

55	Non-monotonic dependence of the friction coefficient on heterogeneous stiffness. <i>Scientific Reports</i> , 2014 , 4, 6772	4.9	4
54	Variability of the b value in the Gutenberg-Richter distribution. <i>Geophysical Journal International</i> , 2014 , 199, 1765-1771	2.6	22
53	Magnitude correlations in the Olami-Feder-Christensen model. <i>Europhysics Letters</i> , 2013 , 102, 59002	1.6	8
52	Scaling in the aging dynamics of the site-diluted Ising model. <i>Physical Review E</i> , 2013 , 88, 042129	2.4	25
51	Aging and crossovers in phase-separating fluid mixtures. <i>Physical Review E</i> , 2012 , 86, 061129	2.4	15
50	The Role of Interstitial Impurities in the Frictional Instability of Seismic Fault Models. <i>Tribology Letters</i> , 2012 , 48, 89-94	2.8	4
49	Scaling behavior of the earthquake intertime distribution: influence of large shocks and time scales in the Omori law. <i>Physical Review E</i> , 2012 , 86, 066119	2.4	16
48	The earthquake magnitude is influenced by previous seismicity. <i>Geophysical Research Letters</i> , 2012 , 39, n/a-n/a	4.9	40
47	Solid-on-solid single-block dynamics under mechanical vibration. <i>Physical Review E</i> , 2012 , 86, 016110	2.4	10
46	Crossover in growth law and violation of superuniversality in the random-field Ising model. <i>Physical Review E</i> , 2012 , 85, 021141	2.4	56
45	Spatial organization of foreshocks as a tool to forecast large earthquakes. <i>Scientific Reports</i> , 2012 , 2, 846	4.9	44
44	Comparison of branching models for seismicity and likelihood maximization through simulated annealing. <i>Journal of Geophysical Research</i> , 2011 , 116,		10
43	Statistics of slipping event sizes in granular seismic fault models. <i>Europhysics Letters</i> , 2011 , 95, 54002	1.6	17
42	Growth law and superuniversality in the coarsening of disordered ferromagnets. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2011 , 2011, P03016	1.9	34
41	Time-energy correlations in solar flare occurrence. <i>Astronomy and Astrophysics</i> , 2010 , 511, L2	5.1	10
40	Multiple-time scaling and universal behavior of the earthquake interevent time distribution. <i>Physical Review Letters</i> , 2010 , 104, 158501	7.4	40
39	Unjamming dynamics: the micromechanics of a seismic fault model. <i>Physical Review Letters</i> , 2010 , 104, 238001	7.4	34
38	Fluctuation-dissipation relations and field-free algorithms for the computation of response functions. <i>Physical Review E</i> , 2010 , 81, 011124	2.4	23

37	Scaling behavior of response functions in the coarsening dynamics of disordered ferromagnets. <i>Europhysics Letters</i> , 2010 , 90, 46006	1.6	32
36	Identification of the critical temperature from non-equilibrium time-dependent quantities. <i>Europhysics Letters</i> , 2010 , 90, 60001	1.6	3
35	Role of static stress diffusion in the spatiotemporal organization of aftershocks. <i>Physical Review Letters</i> , 2009 , 103, 038501	7.4	41
34	THE GENERALIZED OMORI LAW: MAGNITUDE INCOMPLETENESS OR MAGNITUDE CLUSTERING. <i>International Journal of Modern Physics B</i> , 2009 , 23, 5597-5608	1.1	3
33	GRANULAR FAILURE: THE ORIGIN OF EARTHQUAKES?. <i>International Journal of Modern Physics B</i> , 2009 , 23, 5374-5382	1.1	5
32	TIME, SPACE AND MAGNITUDE CORRELATIONS IN EARTHQUAKE OCCURRENCE. <i>International Journal of Modern Physics B</i> , 2009 , 23, 5583-5596	1.1	6
31	Identification and spatiotemporal organization of aftershocks. <i>Journal of Geophysical Research</i> , 2009 , 114,		29
30	Influence of time and space correlations on earthquake magnitude. <i>Physical Review Letters</i> , 2008 , 100, 038501	7.4	76
29	Nonlinear response and fluctuation-dissipation relations. <i>Physical Review E</i> , 2008 , 78, 041120	2.4	55
28	Influence of thermal fluctuations on the geometry of interfaces of the quenched Ising model. <i>Physical Review E</i> , 2008 , 78, 011109	2.4	25
27	Nonlinear susceptibilities and the measurement of a cooperative length. <i>Physical Review B</i> , 2008 , 77,	3.3	32
26	Statistical properties and universality in earthquake and solar flare occurrence. <i>European Physical Journal B</i> , 2008 , 64, 551-555	1.2	9
25	Different triggering mechanisms for solar flares and coronal mass ejections. <i>Astronomy and Astrophysics</i> , 2008 , 488, L29-L32	5.1	11
24	Dynamical scaling and generalized Omori law. <i>Geophysical Research Letters</i> , 2007 , 34, n/a-n/a	4.9	24
23	Dynamical scaling in branching models for seismicity. <i>Physical Review Letters</i> , 2007 , 98, 098501	7.4	62
22	Fluctuation dissipation relations far from equilibrium. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2007 , 2007, P07002-P07002	1.9	37
21	Scaling and universality in the aging kinetics of the two-dimensional clock model. <i>Physical Review E</i> , 2006 , 74, 041106	2.4	23
20	Crossover between Ising and XY-like behavior in the off-equilibrium kinetics of the one-dimensional clock model. <i>Physical Review E</i> , 2006 , 74, 031111	2.4	6

19	Universality in solar flare and earthquake occurrence. <i>Physical Review Letters</i> , 2006 , 96, 051102	7.4	79
18	Test of local scale invariance from the direct measurement of the response function in the Ising model quenched to and below $T(C)$. <i>Physical Review E</i> , 2006 , 74, 041113	2.4	19
17	Memory in self-organized criticality. <i>Europhysics Letters</i> , 2005 , 72, 678-684	1.6	25
16	Correction to scaling in the response function of the two-dimensional kinetic Ising model. <i>Physical Review E</i> , 2005 , 72, 056103	2.4	24
15	Comment on "Scaling of the linear response in simple aging systems without disorder". <i>Physical Review E</i> , 2005 , 72, 028103; discussion 028104	2.4	8
14	Off-equilibrium generalization of the fluctuation dissipation theorem for Ising spins and measurement of the linear response function. <i>Physical Review E</i> , 2005 , 71, 036104	2.4	82
13	Generic features of the fluctuation dissipation relation in coarsening systems. <i>Physical Review E</i> , 2004 , 70, 017103	2.4	23
12	NON-TRIVIAL BEHAVIOR OF THE LINEAR RESPONSE FUNCTION IN PHASE ORDERING KINETICS. <i>International Journal of Modern Physics B</i> , 2004 , 18, 593-605	1.1	4
11	The fluctuation dissipation relation in phase ordering kinetics. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2004 , 344, 440-446	3.3	2
10	The effective temperature in the quenching of coarsening systems to and to below T_C . <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2004 , 2004, P12007	1.9	24
9	Scaling of the linear response function from zero-field-cooled and thermoremanent magnetization in phase-ordering kinetics. <i>Physical Review E</i> , 2003 , 68, 046131	2.4	43
8	Comment on "Aging, phase ordering, and conformal invariance". <i>Physical Review Letters</i> , 2003 , 90, 099601; discussion 099602	7.4	23
7	Off-equilibrium response function in coarsening systems. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2002 , 314, 454-461	3.3	4
6	Slow relaxation in the large-N model for phase ordering. <i>Physical Review E</i> , 2002 , 65, 046136	2.4	63
5	Universality of the off-equilibrium response function in the kinetic Ising chain. <i>Physical Review E</i> , 2002 , 65, 066114	2.4	19
4	Off-equilibrium response function in the one-dimensional random-field Ising model. <i>Physical Review E</i> , 2002 , 65, 046114	2.4	31
3	On the connection between off-equilibrium response and statics in non disordered coarsening systems. <i>European Physical Journal B</i> , 2001 , 24, 359-376	1.2	55
2	Interface fluctuations, bulk fluctuations, and dimensionality in the off-equilibrium response of coarsening systems. <i>Physical Review E</i> , 2001 , 63, 061506	2.4	48

- 1 Fluctuation dissipation ratio in the one-dimensional kinetic ising model. *Physical Review E*, **2000**, 61, 3369-74 99