

Luciano Pietronero

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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.

244
papers

6,429
citations

41
h-index

71
g-index

260
ext. papers

7,098
ext. citations

4.2
avg, IF

5.75
L-index

#	Paper	IF	Citations
244	Semiotic dynamics and collaborative tagging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 1461-4	11.5	224
243	A new metrics for countries' fitness and products' complexity. <i>Scientific Reports</i> , 2012 , 2, 723	4.9	218
242	Universal scaling relations in food webs. <i>Nature</i> , 2003 , 423, 165-8	50.4	211
241	The fractal structure of the universe. <i>Physics Reports</i> , 1992 , 213, 311-389	27.7	192
240	Scale-invariance of galaxy clustering. <i>Physics Reports</i> , 1998 , 293, 61-226	27.7	161
239	Explaining the uneven distribution of numbers in nature: the laws of Benford and Zipf. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2001 , 293, 297-304	3.3	158
238	The fractal structure of the universe: Correlations of galaxies and clusters and the average mass density. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1987 , 144, 257-284	3.3	156
237	Theory of fractal growth. <i>Physical Review Letters</i> , 1988 , 61, 861-864	7.4	148
236	Nonadiabatic superconductivity. I. Vertex corrections for the electron-phonon interactions. <i>Physical Review B</i> , 1995 , 52, 10516-10529	3.3	141
235	Nonadiabatic superconductivity: Electron-phonon interaction beyond Migdal's theorem. <i>Physical Review Letters</i> , 1995 , 75, 1158-1161	7.4	140
234	Measuring the intangibles: a metrics for the economic complexity of countries and products. <i>PLoS ONE</i> , 2013 , 8, e70726	3.7	136
233	Surface melting of copper. <i>Physical Review B</i> , 1985 , 31, 3456-3459	3.3	128
232	The fractal properties of Internet. <i>Europhysics Letters</i> , 2000 , 52, 386-391	1.6	127
231	Nonhomogeneous charge distribution in layered high-T _c superconductors. <i>Physical Review Letters</i> , 1990 , 64, 2827-2830	7.4	126
230	Nonadiabatic superconductivity. II. Generalized Eliashberg equations beyond Migdal's theorem. <i>Physical Review B</i> , 1995 , 52, 10530-10546	3.3	120
229	Renormalization scheme for self-organized criticality in sandpile models. <i>Physical Review Letters</i> , 1994 , 72, 1690-1693	7.4	118
228	A network analysis of countries' export flows: firm grounds for the building blocks of the economy. <i>PLoS ONE</i> , 2012 , 7, e47278	3.7	112

227	The heterogeneous dynamics of economic complexity. <i>PLoS ONE</i> , 2015 , 10, e0117174	3.7	106
226	The fixed-scale transformation approach to fractal growth. <i>Reviews of Modern Physics</i> , 1995 , 67, 545-604	4.0.5	105
225	Fermi-surface shrinking and interband coupling in iron-based pnictides. <i>Physical Review Letters</i> , 2009 , 103, 046404	7.4	97
224	There is more than a power law in Zipf. <i>Scientific Reports</i> , 2012 , 2, 812	4.9	87
223	Theory of Nonadiabatic Superconductivity. <i>Europhysics Letters</i> , 1992 , 18, 627-633	1.6	82
222	Economic complexity: Conceptual grounding of a new metrics for global competitiveness. <i>Journal of Economic Dynamics and Control</i> , 2013 , 37, 1683-1691	1.3	81
221	Renormalization approach to the self-organized critical behavior of sandpile models. <i>Physical Review E</i> , 1995 , 51, 1711-1724	2.4	76
220	Assortative model for social networks. <i>Physical Review E</i> , 2004 , 70, 037101	2.4	74
219	Theory of Laplacian fractals: Diffusion limited aggregation and dielectric breakdown model. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1988 , 151, 207-245	3.3	73
218	Minimal agent based model for financial markets I. <i>European Physical Journal B</i> , 2009 , 67, 385-397	1.2	66
217	Self-similarity of fluctuations in random multiplicative processes. <i>Physical Review Letters</i> , 1986 , 57, 1098-1101	4.01	60
216	Nonperturbative Renormalization of the Kardar-Parisi-Zhang Growth Dynamics. <i>Physical Review Letters</i> , 1998 , 80, 3527-3530	7.4	57
215	Multifractal Properties of Wave Functions for One-Dimensional Systems with an Incommensurate Potential. <i>Europhysics Letters</i> , 1987 , 4, 597-602	1.6	54
214	Small Fermi energy and phonon anharmonicity in MgB2 and related compounds. <i>Physical Review B</i> , 2002 , 65,	3.3	52
213	Theoretical studies of self-organized criticality. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1991 , 173, 22-44	3.3	52
212	Superconductivity Mechanisms in Doped C 60. <i>Europhysics Letters</i> , 1992 , 17, 365-371	1.6	51
211	Renormalization group approach to the critical behavior of the forest-fire model. <i>Physical Review Letters</i> , 1995 , 75, 465-468	7.4	49
210	High-temperature study of superconducting hydrogen and deuterium sulfide. <i>Annalen Der Physik</i> , 2016 , 528, 358-364	2.6	46

209	Self-affine asperity model for earthquakes. <i>Physical Review Letters</i> , 1996 , 76, 2599-2602	7.4	45
208	From physical dielectric breakdown to the stochastic fractal model. <i>European Physical Journal B</i> , 1988 , 70, 87-93	1.2	44
207	Generation of primordial cosmological perturbations from statistical mechanical models. <i>Physical Review D</i> , 2003 , 67,	4.9	43
206	Isotope effect on m^* in high- T_c materials due to the breakdown of Migdal's theorem. <i>Europhysics Letters</i> , 1998 , 42, 667-672	1.6	43
205	High $T(c)$ superconductivity in MgB2 by nonadiabatic pairing. <i>Physical Review Letters</i> , 2002 , 88, 117003	7.4	41
204	Survival probability for kinetic self-avoiding walks. <i>Physical Review Letters</i> , 1985 , 55, 2025-2027	7.4	41
203	How the taxonomy of products drives the economic development of countries. <i>PLoS ONE</i> , 2014 , 9, e113370	3.7	41
202	Nonadiabatic superconductivity: The role of van Hove singularities. <i>Physical Review B</i> , 1996 , 53, 932-944	3.3	40
201	Absence of self-averaging and of homogeneity in the large-scale galaxy distribution. <i>Europhysics Letters</i> , 2009 , 86, 49001	1.6	39
200	Basic properties of galaxy clustering in the light of recent results from the Sloan Digital Sky Survey. <i>Astronomy and Astrophysics</i> , 2005 , 443, 11-16	5.1	39
199	Small Fermi energy, zero-point fluctuations, and nonadiabaticity in MgB2. <i>Physical Review B</i> , 2005 , 71,	3.3	38
198	Random walks with memory. <i>Rivista Del Nuovo Cimento</i> , 1987 , 10, 1-33	3.5	38
197	Brownian forces in sheared granular matter. <i>Physical Review Letters</i> , 2006 , 96, 118002	7.4	36
196	Social network growth with assortative mixing. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2004 , 338, 119-124	3.3	36
195	Molecular degradation of ancient documents revealed by 1H HR-MAS NMR spectroscopy. <i>Scientific Reports</i> , 2013 , 3, 2896	4.9	35
194	Minimal agent based model for financial markets II. <i>European Physical Journal B</i> , 2009 , 67, 399-417	1.2	35
193	Superficial lightning injuries--their "fractal" shape and origin. <i>Burns</i> , 1987 , 13, 141-6	2.3	35
192	Dynamic fracture model for acoustic emission. <i>European Physical Journal B</i> , 2003 , 36, 203-207	1.2	33

191	Multilayer relaxation and melting of a metal surface. <i>Surface Science</i> , 1985 , 152-153, 155-161	1.8	33
190	Density-of-states-driven anisotropies induced by momentum decoupling in Bi ₂ Sr ₂ CaCu ₂ O ₈ . <i>Physical Review B</i> , 1996 , 54, R6877-R6880	3.3	32
189	Multifractal analysis of fluctuations for wave functions localized by disorder. <i>Physical Review B</i> , 1987 , 36, 5635-5638	3.3	32
188	Complex Economies Have a Lateral Escape from the Poverty Trap. <i>PLoS ONE</i> , 2017 , 12, e0168540	3.7	32
187	On the convergence of the Fitness-Complexity algorithm. <i>European Physical Journal: Special Topics</i> , 2016 , 225, 1893-1911	2.3	31
186	Band structure and electron-phonon coupling in H ₃ S: A tight-binding model. <i>Physical Review B</i> , 2016 , 94,	3.3	30
185	Shear stress fluctuations in the granular liquid and solid phases. <i>Physical Review Letters</i> , 2005 , 95, 138001-4	1.4	30
184	Fractal cosmology in an open universe. <i>Europhysics Letters</i> , 2000 , 50, 416-422	1.6	29
183	Nonadiabatic channels in the superconducting pairing of fullerides. <i>Physical Review Letters</i> , 2000 , 85, 4771-4	7.4	29
182	Persistence of screening and self-criticality in the scale invariant dynamics of diffusion limited aggregation. <i>Physical Review Letters</i> , 1993 , 70, 3939-3942	7.4	29
181	The Laplacian Random Walk. <i>Europhysics Letters</i> , 1986 , 2, 77-82	1.6	29
180	Earthquake statistics and fractal faults. <i>Physical Review E</i> , 1997 , 56, 1346-1356	2.4	28
179	High dimensional behavior of the Kardar-Parisi-Zhang growth dynamics. <i>Physical Review E</i> , 1998 , 58, R5209-R5212	2.1	27
178	Local Rigidity and Self-Organized Criticality for Avalanches. <i>Europhysics Letters</i> , 1995 , 29, 111-116	1.6	27
177	Finite size effects on the galaxy number counts: Evidence for fractal behavior up to the deepest scale. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1996 , 226, 195-242	3.3	27
176	Nonadiabatic Pauli susceptibility in fullerene compounds. <i>Physical Review B</i> , 2001 , 64,	3.3	26
175	Universal relation between skewness and kurtosis in complex dynamics. <i>Physical Review E</i> , 2012 , 85, 066108	1.8	25
174	Superconductivity of Rb ₃ C ₆₀ : breakdown of the Migdal-Eliashberg theory. <i>European Physical Journal B</i> , 2001 , 21, 383-391	1.2	25

173	Economic development and wage inequality: A complex system analysis. <i>PLoS ONE</i> , 2017 , 12, e0182774	3-7	24
172	Stochastic dynamics of a sheared granular medium. <i>European Physical Journal B</i> , 2008 , 64, 531-535	1.2	24
171	Multifractal nature of fractons on a percolating cluster. <i>Physical Review B</i> , 1992 , 45, 12864-12872	3-3	24
170	Theory of the Depinning Transition in Charge Density Waves. <i>Europhysics Letters</i> , 1991 , 16, 321-326	1.6	23
169	Charge fluctuations and electron-phonon interaction in the finite-U Hubbard model. <i>Physical Review B</i> , 2004 , 69,	3-3	22
168	Polaronic and nonadiabatic phase diagram from anomalous isotope effects. <i>Physical Review Letters</i> , 2005 , 94, 036406	7-4	22
167	Electron-phonon renormalization in small Fermi energy systems. <i>Physical Review B</i> , 2003 , 68,	3-3	21
166	Fixed scale transformation approach to the nature of relaxation clusters in self-organized criticality. <i>Physical Review Letters</i> , 1991 , 66, 2336-2339	7-4	21
165	Scale invariant dynamics of surface growth. <i>Physical Review E</i> , 1999 , 59, 6460-75	2-4	20
164	Niemeyer, Pietronero, and Wiesmann respond. <i>Physical Review Letters</i> , 1986 , 57, 650	7-4	20
163	Electron Band Structure of Solid Methane: Ab Initio Calculations. <i>Physical Review B</i> , 1973 , 7, 5321-5329	3-3	20
162	Van Hove singularities and nonadiabatic effects in superconductivity. <i>Europhysics Letters</i> , 1996 , 36, 619-624		19
161	Nonadiabatic pairing effects for tight-binding electrons interacting with phonons. <i>Physical Review B</i> , 1998 , 58, 5736-5743	3-3	19
160	Theory of extremal dynamics with quenched disorder: Invasion percolation and related models. <i>Physical Review E</i> , 1996 , 54, 1406-1425	2-4	19
159	Theory of stretched exponential relaxation and critical behavior at depinning for charge density waves. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1991 , 179, 16-38	3-3	19
158	Hidden forces and fluctuations from moving averages: A test study. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2006 , 370, 30-37	3-3	18
157	Roughness of fracture surfaces. <i>Europhysics Letters</i> , 2000 , 52, 304-310	1.6	18
156	On the Fractal Structure of Galaxy Distribution and its Implications for Cosmology. <i>Fractals</i> , 1998 , 06, 231-243	3-2	18

155	Unfolding the innovation system for the development of countries: coevolution of Science, Technology and Production. <i>Scientific Reports</i> , 2019 , 9, 16440	4.9	18
154	A case study for a new metrics for economic complexity: The Netherlands. <i>Journal of Economic Interaction and Coordination</i> , 2016 , 11, 151-169	1.1	17
153	Detecting the traders' strategies in minority-majority games and real stock-prices. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2007 , 382, 1-8	3.3	17
152	Superconductivity beyond Migdal's Theorem and High- T_c Phenomenology. <i>Europhysics Letters</i> , 1994 , 28, 351-356	1.6	17
151	From Innovation to Diversification: A Simple Competitive Model. <i>PLoS ONE</i> , 2015 , 10, e0140420	3.7	16
150	Conference registration: how people react to a deadline. <i>Nature Physics</i> , 2007 , 3, 746-746	16.2	16
149	Invasion percolation with temperature and the nature of self-organized criticality in real systems. <i>Physical Review E</i> , 2000 , 62, 7638-41	2.4	16
148	Invasion percolation as a fractal growth problem. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1990 , 170, 81-104	3.3	16
147	Self-organization for the stylized facts and finite-size effects in a financial-market model. <i>Europhysics Letters</i> , 2009 , 86, 58003	1.6	15
146	Theory of self-organized criticality for problems with extremal dynamics. <i>Europhysics Letters</i> , 1997 , 38, 491-496	1.6	15
145	Nonadiabatic theory of the superconducting state. <i>Physical Review B</i> , 2002 , 66,	3.3	15
144	Comment on the run time statistics in models of growth in disordered media. <i>Journal of Statistical Physics</i> , 1996 , 84, 889-893	1.5	15
143	Multifractal cascades with interactions. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1989 , 156, 613-627	3.3	15
142	Theoretical model of the impedance of a fractal metal-electrolyte interface. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1989 , 158, 691-705	3.3	15
141	Band-filling effects on electron-phonon properties of normal and superconducting states. <i>Physical Review B</i> , 2003 , 68,	3.3	14
140	Hierarchical model of slow constrained dynamics. <i>Physical Review E</i> , 1998 , 57, 4354-4360	2.4	14
139	The physical origin of the electron-phonon vertex correction. <i>European Physical Journal B</i> , 1999 , 10, 247-255		14
138	Percolation as a fractal growth problem. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1990 , 170, 64-80	3.3	14

- 137 Glassy dynamics of pinned charge-density waves. *Physical Review B*, **1990**, 41, 11522-11528 3.3 14
- 136 Multifractality as a Link between Luminosity and Space Distribution of Visible Matter. *Astrophysical Journal*, **1996**, 469, 26 4.7 14
- 135 Statistical Physics for cosmic structures. *Physica A: Statistical Mechanics and Its Applications*, **2002**, 306, 395-401 3.3 13
- 134 Anomalous impurity effects in nonadiabatic superconductors. *Europhysics Letters*, **1999**, 47, 588-594 1.6 13
- 133 Percolation and invasion percolation as fractal growth problems. *Physical Review A*, **1990**, 42, 7496-7499 2.6 13
- 132 Flory approach to the enhancement factor in polymer statistics. *Physical Review Letters*, **1985**, 55, 1479-1481 4.1 13
- 131 Memory effects in stock price dynamics: evidences of technical trading. *Scientific Reports*, **2014**, 4, 4487 4.9 12
- 130 Liquidity crisis, granularity of the order book and price fluctuations. *European Physical Journal B*, **2010**, 73, 41-49 1.2 12
- 129 Perturbative approach to the Bak-Sneppen model. *Physical Review Letters*, **2001**, 86, 1896-9 7.4 12
- 128 Growing dynamics of Internet providers. *Physical Review E*, **2001**, 64, 035105 2.4 12
- 127 Fixed scale transformation applied to diffusion limited aggregation and dielectric breakdown model in three dimensions. *Physica A: Statistical Mechanics and Its Applications*, **1991**, 173, 1-21 3.3 12
- 126 Dynamics of pinned charge density waves: Numerical simulations. *Physica A: Statistical Mechanics and Its Applications*, **1990**, 166, 447-472 3.3 12
- 125 The role of water in the degradation process of paper using H HR-MAS NMR spectroscopy. *Physical Chemistry Chemical Physics*, **2016**, 18, 33335-33343 3.6 12
- 124 Properties of the growth probability for the dielectric breakdown model in cylinder geometry. *Physica A: Statistical Mechanics and Its Applications*, **1991**, 175, 9-30 3.3 11
- 123 Universality of Growth Rules in Fractal Growth. *Europhysics Letters*, **1991**, 16, 417-422 1.6 11
- 122 Fixed scale transformation for Ising and Potts clusters. *Journal of Physics A*, **1991**, 24, 1875-1887 11
- 121 The complex universe: recent observations and theoretical challenges. *Journal of Statistical Mechanics: Theory and Experiment*, **2010**, 2010, P11029 1.9 10
- 120 Mechanisms of self-organization and finite size effects in a minimal agent based model. *Journal of Statistical Mechanics: Theory and Experiment*, **2009**, 2009, P03016 1.9 10

119	Angular projections of fractal sets. <i>Europhysics Letters</i> , 1997 , 40, 491-496	1.6	10
118	Electron-phonon interaction and breakdown of the adiabatic principle in fullerenes and MgB ₂ . <i>Journal of Physics and Chemistry of Solids</i> , 2006 , 67, 1941-1947	3.9	10
117	District-related frequency specificity in hand cortical representation: dynamics of regional activation and intra-regional synchronization. <i>Brain Research</i> , 2004 , 1014, 80-6	3.7	10
116	Nonadiabatic electron-phonon effects in low carrier density superconductors. <i>Physica Status Solidi (B): Basic Research</i> , 2005 , 242, 133-150	1.3	10
115	Clustering in gravitating N -body systems. <i>Europhysics Letters</i> , 2002 , 57, 315-321	1.6	10
114	Discretized diffusion processes. <i>Physical Review Letters</i> , 2000 , 85, 4848-51	7.4	10
113	Pauli susceptibility of nonadiabatic Fermi liquids. <i>Europhysics Letters</i> , 1999 , 47, 681-687	1.6	10
112	Statistical analysis of the Perseus-Pisces redshift survey: spatial and luminosity properties. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1996 , 230, 336-358	3.3	10
111	Topological approach to neural complexity. <i>Physical Review E</i> , 2005 , 71, 016114	2.4	9
110	Fractals in physics: applications and theoretical developments. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1992 , 191, 85-94	3.3	9
109	Effect of empty configurations in the fixed scale transformation theory of fractal growth. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1990 , 168, 723-735	3.3	9
108	Diversification versus specialization in complex ecosystems. <i>PLoS ONE</i> , 2014 , 9, e112525	3.7	8
107	Inelastic electron tunneling spectroscopy at local defects in graphene. <i>Physical Review B</i> , 2013 , 87,	3.3	8
106	Space-time correlation of earthquakes. <i>Geophysical Journal International</i> , 2008 , 173, 932-941	2.6	8
105	Finite-size Berezinskii-Kosterlitz-Thouless transition at grain boundaries in solid 4He and the role of 3He impurities. <i>Physical Review Letters</i> , 2008 , 101, 075301	7.4	8
104	Roughness and finite size effect in the NYSE stock-price fluctuations. <i>European Physical Journal B</i> , 2007 , 55, 135-142	1.2	8
103	Theory of the threshold field for the depinning transition of a charge density wave. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1991 , 179, 1-15	3.3	8
102	Comment on "Fractal dimension of dielectric breakdown.". <i>Physical Review Letters</i> , 1986 , 57, 649	7.4	8

101	A New and Stable Estimation Method of Country Economic Fitness and Product Complexity. <i>Entropy</i> , 2018 , 20,	2.8	8
100	How people react to a deadline: time distribution of conference registrations and fee payments. <i>Open Physics</i> , 2009 , 7,	1.3	7
99	Laplacian Fractal Growth in Media with Quenched Disorder. <i>Physical Review Letters</i> , 1997 , 79, 1503-1506	7.4	7
98	Nonadiabatic high-Tc superconductivity in hole-doped fullerenes. <i>Physical Review B</i> , 2004 , 69,	3.3	7
97	Nonadiabatic superconductivity and vertex corrections in uncorrelated systems. <i>Physical Review B</i> , 2001 , 65,	3.3	7
96	-wave nonadiabatic superconductivity. <i>European Physical Journal B</i> , 2000 , 17, 235-243	1.2	7
95	Boson mediators of high-Tc superconductivity: Phonons versus composite bosons from the superconducting phenomenology. <i>Physical Review B</i> , 1995 , 52, 15753-15756	3.3	7
94	The fractal nature of the universe. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1992 , 185, 45-55	3.3	7
93	Exponentiated random walks, supersymmetry and localization. <i>European Physical Journal B</i> , 1988 , 73, 161-166	1.2	7
92	Correlations in multifractals. <i>Journal of Physics A</i> , 1988 , 21, 3259-3267		7
91	Dynamics in the Fitness-Income plane: Brazilian states vs World countries. <i>PLoS ONE</i> , 2018 , 13, e0197616	6.7	7
90	The Language of Innovation. <i>PLoS ONE</i> , 2020 , 15, e0230107	3.7	6
89	The complex dynamics of products and its asymptotic properties. <i>PLoS ONE</i> , 2017 , 12, e0177360	3.7	6
88	Collaborate, compete and share. <i>European Physical Journal B</i> , 2009 , 67, 319-327	1.2	6
87	Galaxy number counts and fractal correlations. <i>Europhysics Letters</i> , 1997 , 39, 103-108	1.6	6
86	Clustering in N-body gravitating systems. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2002 , 305, 247-252	3.3	6
85	Dynamical approach to Zipf's law. <i>Physical Review Research</i> , 2021 , 3,	3.9	6
84	Coherent diversification in corporate technological portfolios. <i>PLoS ONE</i> , 2019 , 14, e0223403	3.7	5

83	Asymmetric statistics of order books: the role of discreteness and evidence for strategic order placement. <i>Physical Review E</i> , 2010 , 81, 066101	2.4	5
82	Poor screening and nonadiabatic superconductivity in correlated systems. <i>Physical Review B</i> , 2003 , 68,	3.3	5
81	Spin susceptibility in small Fermi energy systems: effects of nonmagnetic impurities. <i>European Physical Journal B</i> , 2002 , 30, 511-517	1.2	5
80	Generalized dielectric breakdown model. <i>Physical Review B</i> , 1999 , 60, 786-790	3.3	5
79	Electron-phonon superconductivity beyond Migdal's theorem. <i>Physica B: Condensed Matter</i> , 1995 , 204, 222-227	2.8	5
78	The angular projection of fractals and its relevance for the galaxy distributions. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1991 , 171, 239-248	3.3	5
77	Theory of fractal growth. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1990 , 163, 316-324	3.3	5
76	Survival probability for kinetic self-avoiding walks and inherent scaling invariance and universality of the Flory approximation. <i>Physical Review Letters</i> , 1986 , 56, 2430	7.4	5
75	Liquidity crises on different time scales. <i>Physical Review E</i> , 2015 , 92, 062802	2.4	4
74	Competitors communities and taxonomy of products according to export fluxes. <i>European Physical Journal: Special Topics</i> , 2012 , 212, 115-120	2.3	4
73	Statistical physics for cosmic structures. <i>European Physical Journal B</i> , 2008 , 64, 615-623	1.2	4
72	Relevance of multiband Jahn-Teller effects on the electron-phonon interaction in A3C60. <i>Physical Review B</i> , 2005 , 72,	3.3	4
71	Probabilistic approach to the Bak-Sneppen model. <i>Physical Review E</i> , 2002 , 65, 046101	2.4	4
70	Fractal universe. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2000 , 280, 125-130	3.3	4
69	FIXED SCALE TRANSFORMATION APPROACH TO CLUSTER-CLUSTER AGGREGATION. <i>Fractals</i> , 1993 , 01, 41-45	3.2	4
68	Fixed scale transformation approach to the multifractal properties of the growth probabilities in the dielectric breakdown model. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1991 , 175, 31-46	3.3	4
67	Decaying Memory in Kinetic Critical Phenomena. <i>Europhysics Letters</i> , 1987 , 4, 869-874	1.6	4
66	PopRank: Ranking pages' impact and users' engagement on Facebook. <i>PLoS ONE</i> , 2019 , 14, e0211038	3.7	3

65	Gaudio et al. Reply:. <i>Physical Review Letters</i> , 2010 , 104,	7.4	3
64	Fermi surface shrinking, band shifts and interband coupling in iron-based pnictides. <i>Physica C: Superconductivity and Its Applications</i> , 2010 , 470, S508-S510	1.3	3
63	Transport properties in correlated systems: An analytical model. <i>Physical Review B</i> , 2005 , 72,	3.3	3
62	Exact results for the roughness of a finite size random walk. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2006 , 370, 127-131	3.3	3
61	The origin of phonon anharmonicity in MgB2 and related compounds. <i>Superconductor Science and Technology</i> , 2003 , 16, 143-146	3.1	3
60	Universal scaling in food-web structure? (reply). <i>Nature</i> , 2005 , 435, E4-E4	50.4	3
59	The Holtsmark distribution of forces and its role in gravitational clustering. <i>Journal of Physics Condensed Matter</i> , 2002 , 14, 2141-2152	1.8	3
58	Nonadiabatic superconductivity: Electron phonon interaction beyond Migdal's Theorem. <i>Journal of Low Temperature Physics</i> , 1995 , 99, 535-543	1.3	3
57	Fixed-Scale Transformation for Directed Percolation. <i>Europhysics Letters</i> , 1992 , 20, 595-600	1.6	3
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