

Luciano Pietronero

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.

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	Zipf's law for cosmic structures: How large are the greatest structures in the universe?. <i>Astronomy and Astrophysics</i> , 2021 , 651, A114	5.1	1
243	Dynamical approach to Zipf's law. <i>Physical Review Research</i> , 2021 , 3,	3.9	6
242	The Language of Innovation. <i>PLoS ONE</i> , 2020 , 15, e0230107	3.7	6
241	PopRank: Ranking pages' impact and users' engagement on Facebook. <i>PLoS ONE</i> , 2019 , 14, e0211038	3.7	3
240	Coherent diversification in corporate technological portfolios. <i>PLoS ONE</i> , 2019 , 14, e0223403	3.7	5
239	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
238	A New and Stable Estimation Method of Country Economic Fitness and Product Complexity. <i>Entropy</i> , 2018 , 20,	2.8	8
237	Dynamics in the Fitness-Income plane: Brazilian states vs World countries. <i>PLoS ONE</i> , 2018 , 13, e0197616	3.7	7
236	The complex dynamics of products and its asymptotic properties. <i>PLoS ONE</i> , 2017 , 12, e0177360	3.7	6
235	Economic development and wage inequality: A complex system analysis. <i>PLoS ONE</i> , 2017 , 12, e0182774	3.7	24
234	Complex Economies Have a Lateral Escape from the Poverty Trap. <i>PLoS ONE</i> , 2017 , 12, e0168540	3.7	32
233	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
232	Band structure and electron-phonon coupling in H3S: A tight-binding model. <i>Physical Review B</i> , 2016 , 94,	3.3	30
231	On the convergence of the Fitness-Complexity algorithm. <i>European Physical Journal: Special Topics</i> , 2016 , 225, 1893-1911	2.3	31
230	High-temperature study of superconducting hydrogen and deuterium sulfide. <i>Annalen Der Physik</i> , 2016 , 528, 358-364	2.6	46
229	The role of water in the degradation process of paper using H HR-MAS NMR spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 33335-33343	3.6	12
228	Liquidity crises on different time scales. <i>Physical Review E</i> , 2015 , 92, 062802	2.4	4

227	The heterogeneous dynamics of economic complexity. <i>PLoS ONE</i> , 2015 , 10, e0117174	3.7	106
226	From Innovation to Diversification: A Simple Competitive Model. <i>PLoS ONE</i> , 2015 , 10, e0140420	3.7	16
225	Memory effects in stock price dynamics: evidences of technical trading. <i>Scientific Reports</i> , 2014 , 4, 4487	4.9	12
224	Diversification versus specialization in complex ecosystems. <i>PLoS ONE</i> , 2014 , 9, e112525	3.7	8
223	How the taxonomy of products drives the economic development of countries. <i>PLoS ONE</i> , 2014 , 9, e113370	3.7	41
222	An Overview of the New Frontiers of Economic Complexity. <i>New Economic Windows</i> , 2014 , 147-159	0.5	
221	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
220	Molecular degradation of ancient documents revealed by 1H HR-MAS NMR spectroscopy. <i>Scientific Reports</i> , 2013 , 3, 2896	4.9	35
219	Inelastic electron tunneling spectroscopy at local defects in graphene. <i>Physical Review B</i> , 2013 , 87,	3.3	8
218	Measuring the intangibles: a metrics for the economic complexity of countries and products. <i>PLoS ONE</i> , 2013 , 8, e70726	3.7	136
217	Competitors' communities and taxonomy of products according to export fluxes. <i>European Physical Journal: Special Topics</i> , 2012 , 212, 115-120	2.3	4
216	A new metrics for countries' fitness and products' complexity. <i>Scientific Reports</i> , 2012 , 2, 723	4.9	218
215	Universal relation between skewness and kurtosis in complex dynamics. <i>Physical Review E</i> , 2012 , 85, 066108	4.9	25
214	There is more than a power law in Zipf. <i>Scientific Reports</i> , 2012 , 2, 812	4.9	87
213	Stationary growth and unique invariant harmonic measure of cylindrical diffusion limited aggregation. <i>Physical Review Letters</i> , 2012 , 109, 065501	7.4	1
212	Statistical Agent Based Modelization of the Phenomenon of Drug Abuse. <i>Scientific Reports</i> , 2012 , 2,	4.9	2
211	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
210	The complex universe: recent observations and theoretical challenges. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2010 , 2010, P11029	1.9	10

209	Gaudio et al. Reply:. <i>Physical Review Letters</i> , 2010 , 104,	7.4	3
208	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
207	Liquidity crisis, granularity of the order book and price fluctuations. <i>European Physical Journal B</i> , 2010 , 73, 41-49	1.2	12
206	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
205	Fermi-surface shrinking and interband coupling in iron-based pnictides. <i>Physical Review Letters</i> , 2009 , 103, 046404	7.4	97
204	Absence of self-averaging and of homogeneity in the large-scale galaxy distribution. <i>Europhysics Letters</i> , 2009 , 86, 49001	1.6	39
203	Collaborate, compete and share. <i>European Physical Journal B</i> , 2009 , 67, 319-327	1.2	6
202	Minimal agent based model for financial markets I. <i>European Physical Journal B</i> , 2009 , 67, 385-397	1.2	66
201	Minimal agent based model for financial markets II. <i>European Physical Journal B</i> , 2009 , 67, 399-417	1.2	35
200	How people react to a deadline: time distribution of conference registrations and fee payments. <i>Open Physics</i> , 2009 , 7,	1.3	7
199	Mechanisms of self-organization and finite size effects in a minimal agent based model. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2009 , 2009, P03016	1.9	10
198	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
197	Space-time correlation of earthquakes. <i>Geophysical Journal International</i> , 2008 , 173, 932-941	2.6	8
196	Surface instability and isotopic impurities in quantum solids. <i>Physical Review B</i> , 2008 , 77,	3.3	2
195	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
194	Superconductivity, nonadiabaticity and strong correlation in the light of recent experiments. <i>Journal of Physics: Conference Series</i> , 2008 , 108, 012025	0.3	2
193	Statistical physics for cosmic structures. <i>European Physical Journal B</i> , 2008 , 64, 615-623	1.2	4
192	Stochastic dynamics of a sheared granular medium. <i>European Physical Journal B</i> , 2008 , 64, 531-535	1.2	24

191	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
190	Small Fermi energy, strong electron-phonon effects and anharmonicity in MgB ₂ . <i>Physica C: Superconductivity and Its Applications</i> , 2007 , 460-462, 70-73	1.3	1
189	Conference registration: how people react to a deadline. <i>Nature Physics</i> , 2007 , 3, 746-746	16.2	16
188	Roughness and finite size effect in the NYSE stock-price fluctuations. <i>European Physical Journal B</i> , 2007 , 55, 135-142	1.2	8
187	The problem of cosmological dark matter and statistical physics. <i>European Physical Journal: Special Topics</i> , 2007 , 143, 223-230	2.3	
186	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
185	Component Analysis of Granular Friction 2007 , 101-110		
184	Granular Shearing and Barkhausen Noise 2007 , 91-100		1
183	Conformal approach to cylindrical DLA. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2006 , 2006, P09004-P09004	1.9	2
182	Brownian forces in sheared granular matter. <i>Physical Review Letters</i> , 2006 , 96, 118002	7.4	36
181	Nonadiabatic breakdown and pairing in high-T _c compounds. <i>Low Temperature Physics</i> , 2006 , 32, 340-358	0.7	2
180	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
179	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
178	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
177	Gravitational structure formation, the cosmological problem and statistical physics. <i>European Physical Journal B</i> , 2006 , 50, 285-289	1.2	
176	Space-time Combined Correlation Between Earthquakes and a New, Self-Consistent Definition of Aftershocks. <i>Lecture Notes in Physics</i> , 2006 , 259-279	0.8	3
175	Topological approach to neural complexity. <i>Physical Review E</i> , 2005 , 71, 016114	2.4	9
174	Transport properties in correlated systems: An analytical model. <i>Physical Review B</i> , 2005 , 72,	3.3	3

173	Shear stress fluctuations in the granular liquid and solid phases. <i>Physical Review Letters</i> , 2005 , 95, 138001-4	7.4	30
172	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
171	Charge fluctuations and electron-phonon interaction in the finite-U Hubbard model. <i>Physica B: Condensed Matter</i> , 2005 , 359-361, 810-812	2.8	
170	Universal scaling in food-web structure? (reply). <i>Nature</i> , 2005 , 435, E4-E4	50.4	3
169	Nonadiabatic electron-phonon effects in low carrier density superconductors. <i>Physica Status Solidi (B): Basic Research</i> , 2005 , 242, 133-150	1.3	10
168	Statistical properties of dislocation mutual interactions. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2005 , 2005, P04011	1.9	1
167	Relevance of multiband Jahn-Teller effects on the electron-phonon interaction in A3C60. <i>Physical Review B</i> , 2005 , 72,	3.3	4
166	Polaronic and nonadiabatic phase diagram from anomalous isotope effects. <i>Physical Review Letters</i> , 2005 , 94, 036406	7.4	22
165	Small Fermi energy, zero-point fluctuations, and nonadiabaticity in MgB2. <i>Physical Review B</i> , 2005 , 71,	3.3	38
164	Statistical Physics for Complex Cosmic Structures. <i>Advances in Solid State Physics</i> , 2004 , 375-388		2
163	Fractals vs. halos: Asymptotic scaling without fractal properties. <i>Europhysics Letters</i> , 2004 , 66, 610-616	1.6	2
162	Charge fluctuations and electron-phonon interaction in the finite-U Hubbard model. <i>Physical Review B</i> , 2004 , 69,	3.3	22
161	Assortative model for social networks. <i>Physical Review E</i> , 2004 , 70, 037101	2.4	74
160	Nonadiabatic high-Tc superconductivity in hole-doped fullerenes. <i>Physical Review B</i> , 2004 , 69,	3.3	7
159	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
158	Small Fermi energy effects in MgB2 and related compounds. <i>Physica C: Superconductivity and Its Applications</i> , 2004 , 408-410, 332-333	1.3	1
157	Unconventional pairing in fullerides by nonadiabatic channels. <i>Physica C: Superconductivity and Its Applications</i> , 2004 , 408-410, 240-241	1.3	1
156	Social network growth with assortative mixing. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2004 , 338, 119-124	3.3	36

155	Poor screening and nonadiabatic superconductivity in correlated systems. <i>Physical Review B</i> , 2003 , 68,	3.3	5
154	The Structure of the Universe and its Scaling Properties. <i>International Journal of Modern Physics A</i> , 2003 , 18, 113-116	1.2	
153	SCALING IN COSMIC STRUCTURES. <i>Fractals</i> , 2003 , 11, 271-279	3.2	1
152	NONADIABATIC EFFECTS AND THE ROLE OF SMALL FERMI ENERGY IN MgB ₂ . <i>International Journal of Modern Physics B</i> , 2003 , 17, 560-566	1.1	1
151	The origin of phonon anharmonicity in MgB ₂ and related compounds. <i>Superconductor Science and Technology</i> , 2003 , 16, 143-146	3.1	3
150	Dynamic fracture model for acoustic emission. <i>European Physical Journal B</i> , 2003 , 36, 203-207	1.2	33
149	A cellular automaton model of gravitational clustering. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2003 , 323, 445-452	3.3	1
148	Universal scaling relations in food webs. <i>Nature</i> , 2003 , 423, 165-8	50.4	211
147	Electron-phonon renormalization in small Fermi energy systems. <i>Physical Review B</i> , 2003 , 68,	3.3	21
146	Generation of primordial cosmological perturbations from statistical mechanical models. <i>Physical Review D</i> , 2003 , 67,	4.9	43
145	Band-filling effects on electron-phonon properties of normal and superconducting states. <i>Physical Review B</i> , 2003 , 68,	3.3	14
144	Narrow bands and electronic structure in unconventional high-TC superconductors. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2002 , 127, 117-123	1.7	
143	Clustering in galaxy distribution: comparison between redshift surveys. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2002 , 305, 242-246	3.3	
142	Clustering in N-body gravitating systems. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2002 , 305, 247-252	3.3	6
141	Statistical Physics for cosmic structures. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2002 , 306, 395-401	3.3	13
140	Nonadiabatic superconductivity in fullerene-based materials. <i>Physics of the Solid State</i> , 2002 , 44, 454-458.8		
139	Spin susceptibility in small Fermi energy systems: effects of nonmagnetic impurities. <i>European Physical Journal B</i> , 2002 , 30, 511-517	1.2	5
138	Nonadiabatic theory of the superconducting state. <i>Physical Review B</i> , 2002 , 66,	3.3	15

137	Small Fermi energy and phonon anharmonicity in MgB2 and related compounds. <i>Physical Review B</i> , 2002 , 65,	3.3	52
136	High T(c) superconductivity in MgB2 by nonadiabatic pairing. <i>Physical Review Letters</i> , 2002 , 88, 117003	7.4	41
135	Probabilistic approach to the Bak-Sneppen model. <i>Physical Review E</i> , 2002 , 65, 046101	2.4	4
134	Clustering in gravitating N -body systems. <i>Europhysics Letters</i> , 2002 , 57, 315-321	1.6	10
133	The Holtzmark distribution of forces and its role in gravitational clustering. <i>Journal of Physics Condensed Matter</i> , 2002 , 14, 2141-2152	1.8	3
132	Local rigidity in sandpile models. <i>Physical Review E</i> , 2002 , 66, 016133	2.4	
131	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
130	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
129	Nonadiabatic Pauli susceptibility in fullerene compounds. <i>Physical Review B</i> , 2001 , 64,	3.3	26
128	Nonadiabatic superconductivity and vertex corrections in uncorrelated systems. <i>Physical Review B</i> , 2001 , 65,	3.3	7
127	Perturbative approach to the Bak-Sneppen model. <i>Physical Review Letters</i> , 2001 , 86, 1896-9	7.4	12
126	Growing dynamics of Internet providers. <i>Physical Review E</i> , 2001 , 64, 035105	2.4	12
125	Fractal structures and the large scale distribution of galaxies 2001 , 391-417		
124	Fractal universe. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2000 , 280, 125-130	3.3	4
123	-wave nonadiabatic superconductivity. <i>European Physical Journal B</i> , 2000 , 17, 235-243	1.2	7
122	EFFECT OF STRONG CORRELATION ON THE ELECTRON-PHONON INTERACTION. <i>International Journal of Modern Physics B</i> , 2000 , 14, 2970-2975	1.1	1
121	s- AND d-WAVE SYMMETRIES IN NONADIABATIC THEORY OF SUPERCONDUCTIVITY. <i>International Journal of Modern Physics B</i> , 2000 , 14, 2982-2987	1.1	2
120	FAILURE OF THE MIGDAL-ELIASHBERG THEORY OF SUPERCONDUCTIVITY IN Rb3C60. <i>International Journal of Modern Physics B</i> , 2000 , 14, 2950-2955	1.1	1

119	A SURVEY OF NONADIABATIC SUPERCONDUCTIVITY IN CUPRATES AND FULLERIDES. <i>International Journal of Modern Physics B</i> , 2000 , 14, 2938-2943	1.1	1
118	The fractal properties of Internet. <i>Europhysics Letters</i> , 2000 , 52, 386-391	1.6	127
117	NONADIABATIC THEORY OF THE SUPERCONDUCTING STATE. <i>International Journal of Modern Physics B</i> , 2000 , 14, 2976-2981	1.1	2
116	Roughness of fracture surfaces. <i>Europhysics Letters</i> , 2000 , 52, 304-310	1.6	18
115	Fractal cosmology in an open universe. <i>Europhysics Letters</i> , 2000 , 50, 416-422	1.6	29
114	Nonadiabatic channels in the superconducting pairing of fullerenes. <i>Physical Review Letters</i> , 2000 , 85, 4771-4	7.4	29
113	Discretized diffusion processes. <i>Physical Review Letters</i> , 2000 , 85, 4848-51	7.4	10
112	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
111	Scale invariant dynamics of surface growth. <i>Physical Review E</i> , 1999 , 59, 6460-75	2.4	20
110	Renormalization-group study of one-dimensional systems with roughening transitions. <i>Physical Review E</i> , 1999 , 60, 3719-26	2.4	1
109	Generalized dielectric breakdown model. <i>Physical Review B</i> , 1999 , 60, 786-790	3.3	5
108	The physical origin of the electron-phonon vertex correction. <i>European Physical Journal B</i> , 1999 , 10, 247-255		14
107	Anomalous impurity effects in nonadiabatic superconductors. <i>Europhysics Letters</i> , 1999 , 47, 588-594	1.6	13
106	Pauli susceptibility of nonadiabatic Fermi liquids. <i>Europhysics Letters</i> , 1999 , 47, 681-687	1.6	10
105	Scale-invariance of galaxy clustering. <i>Physics Reports</i> , 1998 , 293, 61-226	27.7	161
104	On the Fractal Structure of Galaxy Distribution and its Implications for Cosmology. <i>Fractals</i> , 1998 , 06, 231-243	3.2	18
103	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
102	Nonadiabatic pairing effects for tight-binding electrons interacting with phonons. <i>Physical Review B</i> , 1998 , 58, 5736-5743	3.3	19

101	Hierarchical model of slow constrained dynamics. <i>Physical Review E</i> , 1998 , 57, 4354-4360	2.4	14
100	Nonperturbative Renormalization of the Kardar-Parisi-Zhang Growth Dynamics. <i>Physical Review Letters</i> , 1998 , 80, 3527-3530	7.4	57
99	High dimensional behavior of the Kardar-Parisi-Zhang growth dynamics. <i>Physical Review E</i> , 1998 , 58, R5209-R5212		
98	Theory of Extremal Dynamics with Quenched Disorder: Self-Organization, Avalanche Dynamics and Critical Exponents. <i>International Journal of Modern Physics B</i> , 1998 , 12, 1263-1275	1.1	1
97	Theory of self-organized criticality for problems with extremal dynamics. <i>Europhysics Letters</i> , 1997 , 38, 491-496	1.6	15
96	Galaxy number counts and fractal correlations. <i>Europhysics Letters</i> , 1997 , 39, 103-108	1.6	6
95	Angular projections of fractal sets. <i>Europhysics Letters</i> , 1997 , 40, 491-496	1.6	10
94	Loreto et al Reply:. <i>Physical Review Letters</i> , 1997 , 78, 1393-1393	7.4	
93	Earthquake statistics and fractal faults. <i>Physical Review E</i> , 1997 , 56, 1346-1356	2.4	28
92	Renormalization Group Approach to the Critical Behavior of the Forest-Fire Model. <i>Physical Review Letters</i> , 1997 , 78, 1392-1392	7.4	2
91	Laplacian Fractal Growth in Media with Quenched Disorder. <i>Physical Review Letters</i> , 1997 , 79, 1503-1506	7.4	7
90	Universality and Scale Invariant Dynamics in Laplacian Fractal Growth. <i>International Journal of Modern Physics B</i> , 1997 , 11, 3595-3619	1.1	
89	Superconductivity beyond Migdal's theorem and the role of density of states singularities. <i>Journal of Superconductivity and Novel Magnetism</i> , 1997 , 10, 397-403		2
88	Van Hove singularities and nonadiabatic effects in superconductivity. <i>Europhysics Letters</i> , 1996 , 36, 619-624		19
87	Theory of extremal dynamics with quenched disorder: Invasion percolation and related models. <i>Physical Review E</i> , 1996 , 54, 1406-1425	2.4	19
86	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
85	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
84	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

83	Self-affine asperity model for earthquakes. <i>Physical Review Letters</i> , 1996 , 76, 2599-2602	7.4	45
82	Density-of-states-driven anisotropies induced by momentum decoupling in Bi2Sr2CaCu2O8. <i>Physical Review B</i> , 1996 , 54, R6877-R6880	3.3	32
81	Nonadiabatic superconductivity: The role of van Hove singularities. <i>Physical Review B</i> , 1996 , 53, 932-944	3.3	40
80	Multifractality as a Link between Luminosity and Space Distribution of Visible Matter. <i>Astrophysical Journal</i> , 1996 , 469, 26	4.7	14
79	Nonadiabatic superconductivity: Electron phonon interaction beyond Migdal's Theorem. <i>Journal of Low Temperature Physics</i> , 1995 , 99, 535-543	1.3	3
78	Fractals, self-organized-criticality and the fixed scale transformation. <i>Chaos, Solitons and Fractals</i> , 1995 , 6, 471-480	9.3	2
77	Fixed scale transformation applied to fractal aggregation with levy flight particle trajectories. <i>Chaos, Solitons and Fractals</i> , 1995 , 6, 585-591	9.3	
76	Fixed scale transformation for fracture growth processes governed by vectorial fields. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1995 , 215, 223-232	3.3	1
75	Electron-phonon superconductivity beyond Migdal's theorem. <i>Physica B: Condensed Matter</i> , 1995 , 204, 222-227	2.8	5
74	Renormalization group approach to the critical behavior of the forest-fire model. <i>Physical Review Letters</i> , 1995 , 75, 465-468	7.4	49
73	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
72	Nonadiabatic superconductivity. I. Vertex corrections for the electron-phonon interactions. <i>Physical Review B</i> , 1995 , 52, 10516-10529	3.3	141
71	Nonadiabatic superconductivity: Electron-phonon interaction beyond Migdal's theorem. <i>Physical Review Letters</i> , 1995 , 75, 1158-1161	7.4	140
70	Nonadiabatic superconductivity. II. Generalized Eliashberg equations beyond Migdal's theorem. <i>Physical Review B</i> , 1995 , 52, 10530-10546	3.3	120
69	MAPPING OF A DETERMINISTIC DYNAMICS WITH QUENCHED VARIABLES INTO A STOCHASTIC PROBLEM WITH COGNITIVE MEMORY. <i>Fractals</i> , 1995 , 03, 471-481	3.2	
68	RENORMALIZATION GROUP APPROACH FOR FOREST FIRE MODELS. <i>Fractals</i> , 1995 , 03, 445-452	3.2	1
67	THEORETICAL CONCEPTS FOR FRACTAL GROWTH AND SELF-ORGANIZED CRITICALITY. <i>Fractals</i> , 1995 , 03, 405-414	3.2	1
66	Renormalization approach to the self-organized critical behavior of sandpile models. <i>Physical Review E</i> , 1995 , 51, 1711-1724	2.4	76

65	Local Rigidity and Self-Organized Criticality for Avalanches. <i>Europhysics Letters</i> , 1995 , 29, 111-116	1.6	27
64	The fixed-scale transformation approach to fractal growth. <i>Reviews of Modern Physics</i> , 1995 , 67, 545-604	40.5	105
63	Superconductivity beyond Migdal's Theorem and High- T_c Phenomenology. <i>Europhysics Letters</i> , 1994 , 28, 351-356	1.6	17
62	Renormalization scheme for self-organized criticality in sandpile models. <i>Physical Review Letters</i> , 1994 , 72, 1690-1693	7.4	118
61	FIXED SCALE TRANSFORMATION APPROACH TO CLUSTER-CLUSTER AGGREGATION. <i>Fractals</i> , 1993 , 01, 41-45	3.2	4
60	SCALE-INVARIANT DYNAMICS AND UNIVERSALITY CLASSES IN LAPLACIAN FRACTAL GROWTH. <i>Fractals</i> , 1993 , 01, 1002-1007	3.2	1
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