

Luciano Pietronero

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/681609/publications.pdf>

Version: 2024-02-01

253
papers

7,724
citations

57758

44
h-index

64796

79
g-index

260
all docs

260
docs citations

260
times ranked

3838
citing authors

#	ARTICLE	IF	CITATIONS
1	A New Metrics for Countries' Fitness and Products' Complexity. Scientific Reports, 2012, 2, 723.	3.3	333
2	Semiotic dynamics and collaborative tagging. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 1461-1464.	7.1	274
3	Universal scaling relations in food webs. Nature, 2003, 423, 165-168.	27.8	261
4	The fractal structure of the universe. Physics Reports, 1992, 213, 311-389.	25.6	226
5	Measuring the Intangibles: A Metrics for the Economic Complexity of Countries and Products. PLoS ONE, 2013, 8, e70726.	2.5	199
6	Explaining the uneven distribution of numbers in nature: the laws of Benford and Zipf. Physica A: Statistical Mechanics and Its Applications, 2001, 293, 297-304.	2.6	198
7	Scale-invariance of galaxy clustering. Physics Reports, 1998, 293, 61-226.	25.6	193
8	The fractal structure of the universe: Correlations of galaxies and clusters and the average mass density. Physica A: Statistical Mechanics and Its Applications, 1987, 144, 257-284.	2.6	173
9	Nonadiabatic superconductivity. I. Vertex corrections for the electron-phonon interactions. Physical Review B, 1995, 52, 10516-10529.	3.2	166
10	The fractal properties of Internet. Europhysics Letters, 2000, 52, 386-391.	2.0	160
11	The Heterogeneous Dynamics of Economic Complexity. PLoS ONE, 2015, 10, e0117174.	2.5	154
12	Theory of Fractal Growth. Physical Review Letters, 1988, 61, 861-864.	7.8	152
13	Nonadiabatic Superconductivity: Electron-Phonon Interaction Beyond Migdal's Theorem. Physical Review Letters, 1995, 75, 1158-1161.	7.8	150
14	Nonadiabatic superconductivity. II. Generalized Eliashberg equations beyond Migdal's theorem. Physical Review B, 1995, 52, 10530-10546.	3.2	143
15	Nonhomogeneous charge distribution in layered high-Tc superconductors. Physical Review Letters, 1990, 64, 2827-2830.	7.8	141
16	Surface melting of copper. Physical Review B, 1985, 31, 3456-3459.	3.2	137
17	A Network Analysis of Countries' Export Flows: Firm Grounds for the Building Blocks of the Economy. PLoS ONE, 2012, 7, e47278.	2.5	132
18	Renormalization scheme for self-organized criticality in sandpile models. Physical Review Letters, 1994, 72, 1690-1693.	7.8	131

#	ARTICLE	IF	CITATIONS
19	Economic complexity: Conceptual grounding of a new metrics for global competitiveness. Journal of Economic Dynamics and Control, 2013, 37, 1683-1691.	1.6	127
20	There is More than a Power Law in Zipf. Scientific Reports, 2012, 2, 812.	3.3	112
21	The fixed-scale transformation approach to fractal growth. Reviews of Modern Physics, 1995, 67, 545-604.	45.6	108
22	Fermi-Surface Shrinking and Interband Coupling in Iron-Based Pnictides. Physical Review Letters, 2009, 103, 046404.	7.8	103
23	Assortative model for social networks. Physical Review E, 2004, 70, 037101.	2.1	91
24	Theory of Nonadiabatic Superconductivity. Europhysics Letters, 1992, 18, 627-633.	2.0	85
25	Renormalization approach to the self-organized critical behavior of sandpile models. Physical Review E, 1995, 51, 1711-1724.	2.1	85
26	Theory of Laplacian fractals: Diffusion limited aggregation and dielectric breakdown model. Physica A: Statistical Mechanics and Its Applications, 1988, 151, 207-245.	2.6	75
27	Minimal agent based model for financial markets I. European Physical Journal B, 2009, 67, 385-397.	1.5	72
28	Multifractal Properties of Wave Functions for One-Dimensional Systems with an Incommensurate Potential. Europhysics Letters, 1987, 4, 597-602.	2.0	65
29	How the Taxonomy of Products Drives the Economic Development of Countries. PLoS ONE, 2014, 9, e113770.	2.5	63
30	Self-Similarity of Fluctuations in Random Multiplicative Processes. Physical Review Letters, 1986, 57, 1098-1101.	7.8	60
31	Nonperturbative Renormalization of the Kardar-Parisi-Zhang Growth Dynamics. Physical Review Letters, 1998, 80, 3527-3530.	7.8	60
32	Superconductivity Mechanisms in Doped C ₆₀ . Europhysics Letters, 1992, 17, 365-371.	2.0	58
33	High-temperature study of superconducting hydrogen and deuterium sulfide. Annalen Der Physik, 2016, 528, 358-364.	2.4	57
34	Renormalization Group Approach to the Critical Behavior of the Forest-Fire Model. Physical Review Letters, 1995, 75, 465-468.	7.8	56
35	Small Fermi energy and phonon anharmonicity in MgB ₂ and related compounds. Physical Review B, 2002, 65, .	3.2	56
36	Theoretical studies of self-organized criticality. Physica A: Statistical Mechanics and Its Applications, 1991, 173, 22-44.	2.6	54

#	ARTICLE	IF	CITATIONS
37	Self-Affine Asperity Model for Earthquakes. Physical Review Letters, 1996, 76, 2599-2602.	7.8	54
38	HighTcSuperconductivity inMgB2by Nonadiabatic Pairing. Physical Review Letters, 2002, 88, 117003.	7.8	52
39	Unfolding the innovation system for the development of countries: coevolution of Science, Technology and Production. Scientific Reports, 2019, 9, 16440.	3.3	50
40	Random walks with memory. Rivista Del Nuovo Cimento, 1987, 10, 1-33.	5.7	49
41	Absence of self-averaging and of homogeneity in the large-scale galaxy distribution. Europhysics Letters, 2009, 86, 49001.	2.0	49
42	Economic development and wage inequality: A complex system analysis. PLoS ONE, 2017, 12, e0182774.	2.5	49
43	Isotope effect on m^* in high- T_c materials due to the breakdown of Migdal's theorem. Europhysics Letters, 1998, 42, 667-672.	2.0	48
44	From physical dielectric breakdown to the stochastic fractal model. European Physical Journal B, 1988, 70, 87-93.	1.5	47
45	On the convergence of the Fitness-Complexity algorithm. European Physical Journal: Special Topics, 2016, 225, 1893-1911.	2.6	46
46	Nonadiabatic superconductivity: The role of van Hove singularities. Physical Review B, 1996, 53, 932-944.	3.2	45
47	Brownian Forces in Sheared Granular Matter. Physical Review Letters, 2006, 96, 118002.	7.8	45
48	Generation of primordial cosmological perturbations from statistical mechanical models. Physical Review D, 2003, 67, .	4.7	44
49	Complex Economies Have a Lateral Escape from the Poverty Trap. PLoS ONE, 2017, 12, e0168540.	2.5	44
50	Superficial lightning injuriesâ€™their â€™fractalâ€™ shape and origin. Burns, 1987, 13, 141-146.	1.9	43
51	Survival Probability for Kinetic Self-Avoiding Walks. Physical Review Letters, 1985, 55, 2025-2027.	7.8	42
52	Basic properties of galaxy clustering in the light of recent results from the Sloan Digital Sky Survey. Astronomy and Astrophysics, 2005, 443, 11-16.	5.1	42
53	Social network growth with assortative mixing. Physica A: Statistical Mechanics and Its Applications, 2004, 338, 119-124.	2.6	41
54	Small Fermi energy, zero-point fluctuations, and nonadiabaticity inMgB2. Physical Review B, 2005, 71, .	3.2	40

#	ARTICLE	IF	CITATIONS
55	Molecular degradation of ancient documents revealed by ^1H HR-MAS NMR spectroscopy. Scientific Reports, 2013, 3, 2896.	3.3	40
56	Dynamic fracture model for acoustic emission. European Physical Journal B, 2003, 36, 203-207.	1.5	38
57	Minimal agent based model for financial markets II. European Physical Journal B, 2009, 67, 399-417.	1.5	37
58	Nonadiabatic Channels in the Superconducting Pairing of Fullerenes. Physical Review Letters, 2000, 85, 4771-4774.	7.8	36
59	The Laplacian Random Walk. Europhysics Letters, 1986, 2, 77-82.	2.0	34
60	Multifractal analysis of fluctuations for wave functions localized by disorder. Physical Review B, 1987, 36, 5635-5638.	3.2	34
61	Density-of-states-driven anisotropies induced by momentum decoupling in $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8$. Physical Review B, 1996, 54, R6877-R6880.	3.2	34
62	Multilayer relaxation and melting of a metal surface. Surface Science, 1985, 152-153, 155-161.	1.9	33
63	Local Rigidity and Self-Organized Criticality for Avalanches. Europhysics Letters, 1995, 29, 111-116.	2.0	33
64	Band structure and electron-phonon coupling in H_3S : A tight-binding model. Physical Review B, 2016, 94, .	3.2	33
65	Earthquake statistics and fractal faults. Physical Review E, 1997, 56, 1346-1356.	2.1	32
66	Shear Stress Fluctuations in the Granular Liquid and Solid Phases. Physical Review Letters, 2005, 95, 138001.	7.8	32
67	Persistence of screening and self-criticality in the scale invariant dynamics of diffusion limited aggregation. Physical Review Letters, 1993, 70, 3939-3942.	7.8	31
68	Finite size effects on the galaxy number counts: Evidence for fractal behavior up to the deepest scale. Physica A: Statistical Mechanics and Its Applications, 1996, 226, 195-242.	2.6	30
69	Superconductivity of Rb_3C_{60} : breakdown of the Migdal-Eliashberg theory. European Physical Journal B, 2001, 21, 383-391.	1.5	30
70	Universal relation between skewness and kurtosis in complex dynamics. Physical Review E, 2012, 85, 066108.	2.1	30
71	Fractal cosmology in an open universe. Europhysics Letters, 2000, 50, 416-422.	2.0	29
72	Stochastic dynamics of a sheared granular medium. European Physical Journal B, 2008, 64, 531-535.	1.5	29

#	ARTICLE	IF	CITATIONS
73	High dimensional behavior of the Kardar-Parisi-Zhang growth dynamics. <i>Physical Review E</i> , 1998, 58, R5209-R5212.	2.1	28
74	Nonadiabatic Pauli susceptibility in fullerene compounds. <i>Physical Review B</i> , 2001, 64, .	3.2	27
75	Polaronic and Nonadiabatic Phase Diagram from Anomalous Isotope Effects. <i>Physical Review Letters</i> , 2005, 94, 036406.	7.8	27
76	Theory of the Depinning Transition in Charge Density Waves. <i>Europhysics Letters</i> , 1991, 16, 321-326.	2.0	26
77	Multifractal nature of fractons on a percolating cluster. <i>Physical Review B</i> , 1992, 45, 12864-12872.	3.2	25
78	A case study for a new metrics for economic complexity: The Netherlands. <i>Journal of Economic Interaction and Coordination</i> , 2016, 11, 151-169.	0.7	25
79	Statistical Physics for cosmic structures. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2002, 306, 395-401.	2.6	24
80	From Innovation to Diversification: A Simple Competitive Model. <i>PLoS ONE</i> , 2015, 10, e0140420.	2.5	24
81	Coherent diversification in corporate technological portfolios. <i>PLoS ONE</i> , 2019, 14, e0223403.	2.5	24
82	Electron Band Structure of Solid Methane:Ab InitioCalculations. <i>Physical Review B</i> , 1973, 7, 5321-5329.	3.2	23
83	Fixed scale transformation approach to the nature of relaxation clusters in self-organized criticality. <i>Physical Review Letters</i> , 1991, 66, 2336-2339.	7.8	23
84	Nonadiabatic pairing effects for tight-binding electrons interacting with phonons. <i>Physical Review B</i> , 1998, 58, 5736-5743.	3.2	23
85	Van Hove singularities and nonadiabatic effects in superconductivity. <i>Europhysics Letters</i> , 1996, 36, 619-624.	2.0	22
86	Nonadiabatic theory of the superconducting state. <i>Physical Review B</i> , 2002, 66, .	3.2	22
87	Electron-phonon renormalization in small Fermi energy systems. <i>Physical Review B</i> , 2003, 68, .	3.2	22
88	Charge fluctuations and electron-phonon interaction in the finite-UHubbard model. <i>Physical Review B</i> , 2004, 69, .	3.2	22
89	Detecting the tradersâ€™ strategies in minorityâ€™majority games and real stock-prices. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2007, 382, 1-8.	2.6	22
90	Dynamics in the Fitness-Income plane: Brazilian states vs World countries. <i>PLoS ONE</i> , 2018, 13, e0197616.	2.5	22

#	ARTICLE	IF	CITATIONS
91	Niemeyer, Pietronero, and Wiesmann Respond.: Physical Review Letters, 1986, 57, 650-650.	7.8	21
92	Theory of extremal dynamics with quenched disorder: Invasion percolation and related models. Physical Review E, 1996, 54, 1406-1425.	2.1	21
93	Hidden forces and fluctuations from moving averages: A test study. Physica A: Statistical Mechanics and Its Applications, 2006, 370, 30-37.	2.6	21
94	Theory of stretched exponential relaxation and critical behavior at depinning for charge density waves. Physica A: Statistical Mechanics and Its Applications, 1991, 179, 16-38.	2.6	20
95	Superconductivity beyond Migdal's Theorem and High- T_c Phenomenology. Europhysics Letters, 1994, 28, 351-356.	2.0	20
96	Scale invariant dynamics of surface growth. Physical Review E, 1999, 59, 6460-6475.	2.1	20
97	Conference registration: how people react to a deadline. Nature Physics, 2007, 3, 746-746.	16.7	20
98	Invasion percolation as a fractal growth problem. Physica A: Statistical Mechanics and Its Applications, 1990, 170, 81-104.	2.6	19
99	On the Fractal Structure of Galaxy Distribution and its Implications for Cosmology. Fractals, 1998, 06, 231-243.	3.7	19
100	Roughness of fracture surfaces. Europhysics Letters, 2000, 52, 304-310.	2.0	19
101	Self-organization for the stylized facts and finite-size effects in a financial-market model. Europhysics Letters, 2009, 86, 58003.	2.0	19
102	Glassy dynamics of pinned charge-density waves. Physical Review B, 1990, 41, 11522-11528.	3.2	18
103	Hierarchical model of slow constrained dynamics. Physical Review E, 1998, 57, 4354-4360.	2.1	17
104	Invasion percolation with temperature and the nature of self-organized criticality in real systems. Physical Review E, 2000, 62, 7638-7641.	2.1	17
105	Band-filling effects on electron-phonon properties of normal and superconducting states. Physical Review B, 2003, 68, .	3.2	17
106	Memory effects in stock price dynamics: evidences of technical trading. Scientific Reports, 2014, 4, 4487.	3.3	17
107	A New and Stable Estimation Method of Country Economic Fitness and Product Complexity. Entropy, 2018, 20, 783.	2.2	17
108	Multifractal cascades with interactions. Physica A: Statistical Mechanics and Its Applications, 1989, 156, 613-627.	2.6	16

#	ARTICLE	IF	CITATIONS
109	Theoretical model of the impedance of a fractal metal-electrolyte interface. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1989, 158, 691-705.	2.6	16
110	Theory of self-organized criticality for problems with extremal dynamics. <i>Europhysics Letters</i> , 1997, 38, 491-496.	2.0	16
111	The physical origin of the electron-phonon vertex correction. <i>European Physical Journal B</i> , 1999, 10, 247-255.	1.5	16
112	Dynamical approach to Zipf's law. <i>Physical Review Research</i> , 2021, 3, .	3.6	16
113	Comment on the run time statistics in models of growth in disordered media. <i>Journal of Statistical Physics</i> , 1996, 84, 889-893.	1.2	15
114	Diversification versus Specialization in Complex Ecosystems. <i>PLoS ONE</i> , 2014, 9, e112525.	2.5	15
115	Percolation as a fractal growth problem. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1990, 170, 64-80.	2.6	14
116	Percolation and invasion percolation as fractal growth problems. <i>Physical Review A</i> , 1990, 42, 7496-7499.	2.5	14
117	Anomalous impurity effects in nonadiabatic superconductors. <i>Europhysics Letters</i> , 1999, 47, 588-594.	2.0	14
118	Multifractality as a Link between Luminosity and Space Distribution of Visible Matter. <i>Astrophysical Journal</i> , 1996, 469, 26.	4.5	14
119	Flory Approach to the Enhancement Factor in Polymer Statistics. <i>Physical Review Letters</i> , 1985, 55, 1479-1481.	7.8	13
120	Dynamics of pinned charge density waves: Numerical simulations. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1990, 166, 447-472.	2.6	13
121	Perturbative Approach to the Bak-Sneppen Model. <i>Physical Review Letters</i> , 2001, 86, 1896-1899.	7.8	13
122	Growing dynamics of Internet providers. <i>Physical Review E</i> , 2001, 64, 035105.	2.1	13
123	District-related frequency specificity in hand cortical representation: dynamics of regional activation and intra-regional synchronization. <i>Brain Research</i> , 2004, 1014, 80-86.	2.2	13
124	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.	2.3	13
125	Liquidity crisis, granularity of the order book and price fluctuations. <i>European Physical Journal B</i> , 2010, 73, 41-49.	1.5	13
126	Fixed scale transformation applied to diffusion limited aggregation and dielectric breakdown model in three dimensions. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1991, 173, 1-21.	2.6	12

#	ARTICLE	IF	CITATIONS
127	Electron-phonon interaction and breakdown of the adiabatic principle in fullerenes and MgB ₂ . Journal of Physics and Chemistry of Solids, 2006, 67, 1941-1947.	4.0	12
128	The role of water in the degradation process of paper using 1H HR-MAS NMR spectroscopy. Physical Chemistry Chemical Physics, 2016, 18, 33335-33343.	2.8	12
129	Comment on "Fractal Dimension of Dielectric Breakdown". Physical Review Letters, 1986, 57, 649-649.	7.8	11
130	Properties of the growth probability for the dielectric breakdown model in cylinder geometry. Physica A: Statistical Mechanics and Its Applications, 1991, 175, 9-30.	2.6	11
131	Universality of Growth Rules in Fractal Growth. Europhysics Letters, 1991, 16, 417-422.	2.0	11
132	Fixed scale transformation for Ising and Potts clusters. Journal of Physics A, 1991, 24, 1875-1887.	1.6	11
133	Fractals in physics: applications and theoretical developments. Physica A: Statistical Mechanics and Its Applications, 1992, 191, 85-94.	2.6	11
134	Angular projections of fractal sets. Europhysics Letters, 1997, 40, 491-496.	2.0	11
135	Pauli susceptibility of nonadiabatic Fermi liquids. Europhysics Letters, 1999, 47, 681-687.	2.0	11
136	Clustering in gravitating N-body systems. Europhysics Letters, 2002, 57, 315-321.	2.0	11
137	Nonadiabatic high-Tc superconductivity in hole-doped fullerenes. Physical Review B, 2004, 69, .	3.2	11
138	Nonadiabatic electron-phonon effects in low carrier density superconductors. Physica Status Solidi (B): Basic Research, 2005, 242, 133-150.	1.5	11
139	Topological approach to neural complexity. Physical Review E, 2005, 71, 016114.	2.1	11
140	Roughness and finite size effect in the NYSE stock-price fluctuations. European Physical Journal B, 2007, 55, 135-142.	1.5	11
141	Space-time correlation of earthquakes. Geophysical Journal International, 2008, 173, 932-941.	2.4	11
142	The Language of Innovation. PLoS ONE, 2020, 15, e0230107.	2.5	11
143	Statistical analysis of the Perseus-Pisces redshift survey: spatial and luminosity properties. Physica A: Statistical Mechanics and Its Applications, 1996, 230, 336-358.	2.6	10
144	Discretized Diffusion Processes. Physical Review Letters, 2000, 85, 4848-4851.	7.8	10

#	ARTICLE	IF	CITATIONS
145	How people react to a deadline: time distribution of conference registrations and fee payments. Open Physics, 2009, 7, .	1.7	10
146	The complex universe: recent observations and theoretical challenges. Journal of Statistical Mechanics: Theory and Experiment, 2010, 2010, P11029.	2.3	10
147	Inelastic electron tunneling spectroscopy at local defects in graphene. Physical Review B, 2013, 87, .	3.2	10
148	The complex dynamics of products and its asymptotic properties. PLoS ONE, 2017, 12, e0177360.	2.5	10
149	Effect of empty configurations in the fixed scale transformation theory of fractal growth. Physica A: Statistical Mechanics and Its Applications, 1990, 168, 723-735.	2.6	9
150	Theory of the threshold field for the depinning transition of a charge density wave. Physica A: Statistical Mechanics and Its Applications, 1991, 179, 1-15.	2.6	9
151	Nonadiabatic superconductivity and vertex corrections in uncorrelated systems. Physical Review B, 2001, 65, .	3.2	9
152	STATISTICAL PHYSICS FOR COSMIC STRUCTURES. , 2005, , .		9
153	Zipf's law for cosmic structures: How large are the greatest structures in the universe?. Astronomy and Astrophysics, 2021, 651, A114.	5.1	9
154	The fractal nature of the universe. Physica A: Statistical Mechanics and Its Applications, 1992, 185, 45-55.	2.6	8
155	-wave nonadiabatic superconductivity. European Physical Journal B, 2000, 17, 235-243.	1.5	8
156	Finite-Size Berezinskii-Kosterlitz-Thouless Transition at Grain Boundaries in Solid He4 and the Role of He3 Impurities. Physical Review Letters, 2008, 101, 075301.	7.8	8
157	Liquidity crises on different time scales. Physical Review E, 2015, 92, 062802.	2.1	8
158	Exponentiated random walks, supersymmetry and localization. European Physical Journal B, 1988, 73, 161-166.	1.5	7
159	Correlations in multifractals. Journal of Physics A, 1988, 21, 3259-3267.	1.6	7
160	Boson mediators of high-Tc superconductivity: Phonons versus composite bosons from the superconducting phenomenology. Physical Review B, 1995, 52, R15753-R15756.	3.2	7
161	Galaxy number counts and fractal correlations. Europhysics Letters, 1997, 39, 103-108.	2.0	7
162	Laplacian Fractal Growth in Media with Quenched Disorder. Physical Review Letters, 1997, 79, 1503-1506.	7.8	7

#	ARTICLE	IF	CITATIONS
163	Clustering in N-body gravitating systems. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2002, 305, 247-252.	2.6	7
164	Conformal approach to cylindrical DLA. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2006, 2006, P09004-P09004.	2.3	7
165	PopRank: Ranking pages's impact and users's engagement on Facebook. <i>PLoS ONE</i> , 2019, 14, e0211038.	2.5	7
166	Generalized dielectric breakdown model. <i>Physical Review B</i> , 1999, 60, 786-790.	3.2	6
167	Spin susceptibility in small Fermi energy systems: effects of nonmagnetic impurities. <i>European Physical Journal B</i> , 2002, 30, 511-517.	1.5	6
168	Poor screening and nonadiabatic superconductivity in correlated systems. <i>Physical Review B</i> , 2003, 68, .	3.2	6
169	Transport properties in correlated systems: An analytical model. <i>Physical Review B</i> , 2005, 72, .	3.2	6
170	Collaborate, compete and share. <i>European Physical Journal B</i> , 2009, 67, 319-327.	1.5	6
171	Asymmetric statistics of order books: The role of discreteness and evidence for strategic order placement. <i>Physical Review E</i> , 2010, 81, 066101.	2.1	6
172	Survival Probability for Kinetic Self-Avoiding Walks and Inherent Scaling Invariance and Universality of the Flory Approximation. <i>Physical Review Letters</i> , 1986, 56, 2430-2430.	7.8	5
173	Theory of fractal growth. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1990, 163, 316-324.	2.6	5
174	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.	2.6	5
175	Electron-phonon superconductivity beyond Migdal's theorem. <i>Physica B: Condensed Matter</i> , 1995, 204, 222-227.	2.7	5
176	s- AND d-WAVE SYMMETRIES IN NONADIABATIC THEORY OF SUPERCONDUCTIVITY. <i>International Journal of Modern Physics B</i> , 2000, 14, 2982-2987.	2.0	5
177	Probabilistic approach to the Bak-Sneppen model. <i>Physical Review E</i> , 2002, 65, 046101.	2.1	5
178	Universal scaling in food-web structure? (reply). <i>Nature</i> , 2005, 435, E4-E4.	27.8	5
179	Exact results for the roughness of a finite size random walk. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2006, 370, 127-131.	2.6	5
180	Statistical physics for cosmic structures. <i>European Physical Journal B</i> , 2008, 64, 615-623.	1.5	5

#	ARTICLE	IF	CITATIONS
181	Decaying Memory in Kinetic Critical Phenomena. Europhysics Letters, 1987, 4, 869-874.	2.0	4
182	Fixed scale transformation approach to the multifractal properties of the growth probabilities in the dielectric breakdown model. Physica A: Statistical Mechanics and Its Applications, 1991, 175, 31-46.	2.6	4
183	FIXED SCALE TRANSFORMATION APPROACH TO CLUSTER-CLUSTER AGGREGATION. Fractals, 1993, 01, 41-45.	3.7	4
184	Nonadiabatic superconductivity: Electron phonon interaction beyond Migdal's Theorem. Journal of Low Temperature Physics, 1995, 99, 535-543.	1.4	4
185	Fractal universe. Physica A: Statistical Mechanics and Its Applications, 2000, 280, 125-130.	2.6	4
186	The Holtzmark distribution of forces and its role in gravitational clustering. Journal of Physics Condensed Matter, 2002, 14, 2141-2152.	1.8	4
187	Relevance of multiband Jahn-Teller effects on the electron-phonon interaction in A3C60. Physical Review B, 2005, 72, .	3.2	4
188	Nonadiabatic breakdown and pairing in high-Tc compounds. Low Temperature Physics, 2006, 32, 340-358.	0.6	4
189	Statistical Agent Based Modelization of the Phenomenon of Drug Abuse. Scientific Reports, 2012, 2, .	3.3	4
190	Competitors' communities and taxonomy of products according to export fluxes. European Physical Journal: Special Topics, 2012, 212, 115-120.	2.6	4
191	Pietronero Responds. Physical Review Letters, 1986, 56, 2431-2431.	7.8	3
192	Comment on "Self-Similarity of Fluctuations in Random Multiplicative Processes". Physical Review Letters, 1988, 61, 1037-1037.	7.8	3
193	Fixed-Scale Transformation for Directed Percolation. Europhysics Letters, 1992, 20, 595-600.	2.0	3
194	The origin of phonon anharmonicity in MgB2 and related compounds. Superconductor Science and Technology, 2003, 16, 143-146.	3.5	3
195	Fermi surface shrinking, band shifts and interband coupling in iron-based pnictides. Physica C: Superconductivity and Its Applications, 2010, 470, S508-S510.	1.2	3
196	Physicists get social. Nature Physics, 2010, 6, 641-642.	16.7	3
197	Gaudio et al. Reply. Physical Review Letters, 2010, 104, .	7.8	3
198	Space-time Combined Correlation Between Earthquakes and a New, Self-Consistent Definition of Aftershocks. Lecture Notes in Physics, 2006, , 259-279.	0.7	3

#	ARTICLE	IF	CITATIONS
199	Pietronero and Siebasma Reply. Physical Review Letters, 1988, 61, 1038-1038.	7.8	2
200	Intrinsic Test for the Cone Angle Ansatz in the Dielectric Breakdown Model. Europhysics Letters, 1989, 10, 607-613.	2.0	2
201	Fractals, self-organized-criticality and the fixed scale transformation. Chaos, Solitons and Fractals, 1995, 6, 471-480.	5.1	2
202	Renormalization Group Approach to the Critical Behavior of the Forest-Fire Model. Physical Review Letters, 1997, 78, 1392-1392.	7.8	2
203	Superconductivity beyond Migdal's theorem and the role of density of states singularities. Journal of Superconductivity and Novel Magnetism, 1997, 10, 397-403.	0.5	2
204	NONADIABATIC THEORY OF THE SUPERCONDUCTING STATE. International Journal of Modern Physics B, 2000, 14, 2976-2981.	2.0	2
205	Fractals vs. halos: Asymptotic scaling without fractal properties. Europhysics Letters, 2004, 66, 610-616.	2.0	2
206	Surface instability and isotopic impurities in quantum solids. Physical Review B, 2008, 77, .	3.2	2
207	Superconductivity, nonadiabaticity and strong correlation in the light of recent experiments. Journal of Physics: Conference Series, 2008, 108, 012025.	0.4	2
208	The complex dynamic of growth: Fitness and the different patterns of economic activity in the medium and long terms. Structural Change and Economic Dynamics, 2022, 62, 231-246.	4.5	2
209	SCALE-INVARIANT DYNAMICS AND UNIVERSALITY CLASSES IN LAPLACIAN FRACTAL GROWTH. Fractals, 1993, 01, 1002-1007.	3.7	1
210	THE FIXED SCALE TRANSFORMATION: STATUS AND PERSPECTIVES. Fractals, 1993, 01, 650-662.	3.7	1
211	Fixed scale transformation for fracture growth processes governed by vectorial fields. Physica A: Statistical Mechanics and Its Applications, 1995, 215, 223-232.	2.6	1
212	RENORMALIZATION GROUP APPROACH FOR FOREST FIRE MODELS. Fractals, 1995, 03, 445-452.	3.7	1
213	THEORETICAL CONCEPTS FOR FRACTAL GROWTH AND SELF-ORGANIZED CRITICALITY. Fractals, 1995, 03, 405-414.	3.7	1
214	Loreto et al Reply. Physical Review Letters, 1997, 78, 1393-1393.	7.8	1
215	Theory of Extremal Dynamics with Quenched Disorder: Self-Organization, Avalanche Dynamics and Critical Exponents. International Journal of Modern Physics B, 1998, 12, 1263-1275.	2.0	1
216	Renormalization-group study of one-dimensional systems with roughening transitions. Physical Review E, 1999, 60, 3719-3726.	2.1	1

#	ARTICLE	IF	CITATIONS
217	Non perturbative renormalization group approach to surface growth. Computer Physics Communications, 1999, 121-122, 358-362.	7.5	1
218	EFFECT OF STRONG CORRELATION ON THE ELECTRON-PHONON INTERACTION. International Journal of Modern Physics B, 2000, 14, 2970-2975.	2.0	1
219	FAILURE OF THE MIGDAL-ELIASHBERG THEORY OF SUPERCONDUCTIVITY IN Rb3C60. International Journal of Modern Physics B, 2000, 14, 2950-2955.	2.0	1
220	A SURVEY OF NONADIABATIC SUPERCONDUCTIVITY IN CUPRATES AND FULLERIDES. International Journal of Modern Physics B, 2000, 14, 2938-2943.	2.0	1
221	Gravitational clustering in N-body simulations. AIP Conference Proceedings, 2001, , .	0.4	1
222	A cellular automaton model of gravitational clustering. Physica A: Statistical Mechanics and Its Applications, 2003, 323, 445-452.	2.6	1
223	SCALING IN COSMIC STRUCTURES. Fractals, 2003, 11, 271-279.	3.7	1
224	NONADIABATIC EFFECTS AND THE ROLE OF SMALL FERMI ENERGY IN MgB2. International Journal of Modern Physics B, 2003, 17, 560-566.	2.0	1
225	Food Web Structure and the Evolution of Complex Networks. Lecture Notes in Physics, 2003, , 148-166.	0.7	1
226	Small Fermi energy effects in MgB2 and related compounds. Physica C: Superconductivity and Its Applications, 2004, 408-410, 332-333.	1.2	1
227	Unconventional pairing in fullerenes by nonadiabatic channels. Physica C: Superconductivity and Its Applications, 2004, 408-410, 240-241.	1.2	1
228	Statistical properties of dislocation mutual interactions. Journal of Statistical Mechanics: Theory and Experiment, 2005, 2005, P04011.	2.3	1
229	Small Fermi energy, strong electron-phonon effects and anharmonicity in MgB2. Physica C: Superconductivity and Its Applications, 2007, 460-462, 70-73.	1.2	1
230	The problem of cosmological dark matter and statistical physics. European Physical Journal: Special Topics, 2007, 143, 223-230.	2.6	1
231	Stationary Growth and Unique Invariant Harmonic Measure of Cylindrical Diffusion Limited Aggregation. Physical Review Letters, 2012, 109, 065501.	7.8	1
232	Granular Shearing and Barkhausen Noise. , 2007, , 91-100.		1
233	A simple model of slow relaxation dynamics. European Physical Journal Special Topics, 1998, 08, Pr6-105-Pr6-108.	0.2	1
234	Theoretical concepts for fractal growth. Physics Reports, 1989, 184, 273-279.	25.6	0

#	ARTICLE	IF	CITATIONS
235	Theory of Fractal Growth. Physica Scripta, 1989, T25, 230-230.	2.5	0
236	Asymptotic screening in the scale invariant growth rules for Laplacian fractals. Physica A: Statistical Mechanics and Its Applications, 1992, 191, 128-133.	2.6	0
237	Fixed scale transformation applied to fractal aggregation with levy flight particle trajectories. Chaos, Solitons and Fractals, 1995, 6, 585-591.	5.1	0
238	MAPPING OF A DETERMINISTIC DYNAMICS WITH QUENCHED VARIABLES INTO A STOCHASTIC PROBLEM WITH COGNITIVE MEMORY. Fractals, 1995, 03, 471-481.	3.7	0
239	Universality and Scale Invariant Dynamics in Laplacian Fractal Growth. International Journal of Modern Physics B, 1997, 11, 3595-3619.	2.0	0
240	Calculating buckyballs and nanotubes. Physics Today, 2000, 53, 76-77.	0.3	0
241	Local rigidity in sandpile models. Physical Review E, 2002, 66, 016133.	2.1	0
242	Narrow bands and electronic structure in unconventional high-TC superconductors. Journal of Electron Spectroscopy and Related Phenomena, 2002, 127, 117-123.	1.7	0
243	Clustering in galaxy distribution: comparison between redshift surveys. Physica A: Statistical Mechanics and Its Applications, 2002, 305, 242-246.	2.6	0
244	Nonadiabatic superconductivity in fullerene-based materials. Physics of the Solid State, 2002, 44, 454-458.	0.6	0
245	The Structure of the Universe and its Scaling Properties. International Journal of Modern Physics A, 2003, 18, 113-116.	1.5	0
246	Charge fluctuations and electron-phonon interaction in the finite- Hubbard model. Physica B: Condensed Matter, 2005, 359-361, 810-812.	2.7	0
247	Gravitational structure formation, the cosmological problem and statistical physics. European Physical Journal B, 2006, 50, 285-289.	1.5	0
248	A method for detecting complex correlation in time series. , 2007, , .		0
249	Complex, inter-networked economic and social systems. European Physical Journal: Special Topics, 2016, 225, 1875-1877.	2.6	0
250	Economic Complexity as a Determinant of Industrialization of Countries: The Case of India. , 0, , 87-110.		0
251	Fractal structures and the large scale distribution of galaxies. , 2001, , 391-417.		0
252	An Overview of the New Frontiers of Economic Complexity. New Economic Windows, 2014, , 147-159.	1.0	0

#	ARTICLE	IF	CITATIONS
253	The scale invariant dynamics. European Physical Journal Special Topics, 1998, 08, Pr6-57-Pr6-62.	0.2	0