

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	The complex dynamic of growth: Fitness and the different patterns of economic activity in the medium and long terms. <i>Structural Change and Economic Dynamics</i> , 2022, 62, 231-246.	4.5	2
2	Dynamical approach to Zipf's law. <i>Physical Review Research</i> , 2021, 3, .	3.6	16
3	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	9
4	The Language of Innovation. <i>PLoS ONE</i> , 2020, 15, e0230107.	2.5	11
5	Coherent diversification in corporate technological portfolios. <i>PLoS ONE</i> , 2019, 14, e0223403.	2.5	24
6	PopRank: Ranking pages' impact and users' engagement on Facebook. <i>PLoS ONE</i> , 2019, 14, e0211038.	2.5	7
7	Unfolding the innovation system for the development of countries: coevolution of Science, Technology and Production. <i>Scientific Reports</i> , 2019, 9, 16440.	3.3	50
8	A New and Stable Estimation Method of Country Economic Fitness and Product Complexity. <i>Entropy</i> , 2018, 20, 783.	2.2	17
9	Dynamics in the Fitness-Income plane: Brazilian states vs World countries. <i>PLoS ONE</i> , 2018, 13, e0197616.	2.5	22
10	The complex dynamics of products and its asymptotic properties. <i>PLoS ONE</i> , 2017, 12, e0177360.	2.5	10
11	Economic development and wage inequality: A complex system analysis. <i>PLoS ONE</i> , 2017, 12, e0182774.	2.5	49
12	Complex Economies Have a Lateral Escape from the Poverty Trap. <i>PLoS ONE</i> , 2017, 12, e0168540.	2.5	44
13	The role of water in the degradation process of paper using 1H HR-MAS NMR spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 33335-33343.	2.8	12
14	Band structure and electron-phonon coupling in H_3S : A tight-binding model. <i>Physical Review B</i> , 2016, 94, .	3.2	33
15	On the convergence of the Fitness-Complexity algorithm. <i>European Physical Journal: Special Topics</i> , 2016, 225, 1893-1911.	2.6	46
16	Complex, inter-networked economic and social systems. <i>European Physical Journal: Special Topics</i> , 2016, 225, 1875-1877.	2.6	0
17	High-temperature study of superconducting hydrogen and deuterium sulfide. <i>Annalen Der Physik</i> , 2016, 528, 358-364.	2.4	57
18	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

#	ARTICLE	IF	CITATIONS
19	Liquidity crises on different time scales. <i>Physical Review E</i> , 2015, 92, 062802.	2.1	8
20	The Heterogeneous Dynamics of Economic Complexity. <i>PLoS ONE</i> , 2015, 10, e0117174.	2.5	154
21	From Innovation to Diversification: A Simple Competitive Model. <i>PLoS ONE</i> , 2015, 10, e0140420.	2.5	24
22	Diversification versus Specialization in Complex Ecosystems. <i>PLoS ONE</i> , 2014, 9, e112525.	2.5	15
23	Memory effects in stock price dynamics: evidences of technical trading. <i>Scientific Reports</i> , 2014, 4, 4487.	3.3	17
24	How the Taxonomy of Products Drives the Economic Development of Countries. <i>PLoS ONE</i> , 2014, 9, e113770.	2.5	63
25	An Overview of the New Frontiers of Economic Complexity. <i>New Economic Windows</i> , 2014, , 147-159.	1.0	0
26	Economic complexity: Conceptual grounding of a new metrics for global competitiveness. <i>Journal of Economic Dynamics and Control</i> , 2013, 37, 1683-1691.	1.6	127
27	Molecular degradation of ancient documents revealed by 1H HR-MAS NMR spectroscopy. <i>Scientific Reports</i> , 2013, 3, 2896.	3.3	40
28	Inelastic electron tunneling spectroscopy at local defects in graphene. <i>Physical Review B</i> , 2013, 87, .	3.2	10
29	Measuring the Intangibles: A Metrics for the Economic Complexity of Countries and Products. <i>PLoS ONE</i> , 2013, 8, e70726.	2.5	199
30	There is More than a Power Law in Zipf. <i>Scientific Reports</i> , 2012, 2, 812.	3.3	112
31	Stationary Growth and Unique Invariant Harmonic Measure of Cylindrical Diffusion Limited Aggregation. <i>Physical Review Letters</i> , 2012, 109, 065501.	7.8	1
32	Statistical Agent Based Modelization of the Phenomenon of Drug Abuse. <i>Scientific Reports</i> , 2012, 2, .	3.3	4
33	Competitorsâ€™ communities and taxonomy of products according to export fluxes. <i>European Physical Journal: Special Topics</i> , 2012, 212, 115-120.	2.6	4
34	A New Metrics for Countries' Fitness and Products' Complexity. <i>Scientific Reports</i> , 2012, 2, 723.	3.3	333
35	Universal relation between skewness and kurtosis in complex dynamics. <i>Physical Review E</i> , 2012, 85, 066108.	2.1	30
36	A Network Analysis of Countriesâ€™ Export Flows: Firm Grounds for the Building Blocks of the Economy. <i>PLoS ONE</i> , 2012, 7, e47278.	2.5	132

#	ARTICLE	IF	CITATIONS
37	Liquidity crisis, granularity of the order book and price fluctuations. European Physical Journal B, 2010, 73, 41-49.	1.5	13
38	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
39	Physicists get social. Nature Physics, 2010, 6, 641-642.	16.7	3
40	The complex universe: recent observations and theoretical challenges. Journal of Statistical Mechanics: Theory and Experiment, 2010, 2010, P11029.	2.3	10
41	Gaudio <i>et al.</i> Reply. Physical Review Letters, 2010, 104, .	7.8	3
42	Asymmetric statistics of order books: The role of discreteness and evidence for strategic order placement. Physical Review E, 2010, 81, 066101.	2.1	6
43	Fermi-Surface Shrinking and Interband Coupling in Iron-Based Pnictides. Physical Review Letters, 2009, 103, 046404.	7.8	103
44	Absence of self-averaging and of homogeneity in the large-scale galaxy distribution. Europhysics Letters, 2009, 86, 49001.	2.0	49
45	Collaborate, compete and share. European Physical Journal B, 2009, 67, 319-327.	1.5	6
46	Minimal agent based model for financial markets I. European Physical Journal B, 2009, 67, 385-397.	1.5	72
47	Minimal agent based model for financial markets II. European Physical Journal B, 2009, 67, 399-417.	1.5	37
48	How people react to a deadline: time distribution of conference registrations and fee payments. Open Physics, 2009, 7, .	1.7	10
49	Mechanisms of self-organization and finite size effects in a minimal agent based model. Journal of Statistical Mechanics: Theory and Experiment, 2009, 2009, P03016.	2.3	13
50	Self-organization for the stylized facts and finite-size effects in a financial-market model. Europhysics Letters, 2009, 86, 58003.	2.0	19
51	Statistical physics for cosmic structures. European Physical Journal B, 2008, 64, 615-623.	1.5	5
52	Stochastic dynamics of a sheared granular medium. European Physical Journal B, 2008, 64, 531-535.	1.5	29
53	Space-time correlation of earthquakes. Geophysical Journal International, 2008, 173, 932-941.	2.4	11
54	Surface instability and isotopic impurities in quantum solids. Physical Review B, 2008, 77, .	3.2	2

#	ARTICLE	IF	CITATIONS
55	Finite-Size Berezinskii-Kosterlitz-Thouless Transition at Grain Boundaries in Solid He4 and the Role of He3 Impurities. <i>Physical Review Letters</i> , 2008, 101, 075301.	7.8	8
56	Superconductivity, nonadiabaticity and strong correlation in the light of recent experiments. <i>Journal of Physics: Conference Series</i> , 2008, 108, 012025.	0.4	2
57	Semiotic dynamics and collaborative tagging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 1461-1464.	7.1	274
58	A method for detecting complex correlation in time series. , 2007, , .		0
59	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.	2.6	22
60	Small Fermi energy, strong electron-€phonon effects and anharmonicity in MgB2. <i>Physica C: Superconductivity and Its Applications</i> , 2007, 460-462, 70-73.	1.2	1
61	Conference registration: how people react to a deadline. <i>Nature Physics</i> , 2007, 3, 746-746.	16.7	20
62	Roughness and finite size effect in the NYSE stock-price fluctuations. <i>European Physical Journal B</i> , 2007, 55, 135-142.	1.5	11
63	The problem of cosmological dark matter and statistical physics. <i>European Physical Journal: Special Topics</i> , 2007, 143, 223-230.	2.6	1
64	Granular Shearing and Barkhausen Noise. , 2007, , 91-100.		1
65	Brownian Forces in Sheared Granular Matter. <i>Physical Review Letters</i> , 2006, 96, 118002.	7.8	45
66	Nonadiabatic breakdown and pairing in high-Tc compounds. <i>Low Temperature Physics</i> , 2006, 32, 340-358.	0.6	4
67	Hidden forces and fluctuations from moving averages: A test study. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2006, 370, 30-37.	2.6	21
68	Electron-€phonon interaction and breakdown of the adiabatic principle in fullerenes and MgB2. <i>Journal of Physics and Chemistry of Solids</i> , 2006, 67, 1941-1947.	4.0	12
69	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
70	Gravitational structure formation, the cosmological problem and statistical physics. <i>European Physical Journal B</i> , 2006, 50, 285-289.	1.5	0
71	Conformal approach to cylindrical DLA. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2006, 2006, P09004-P09004.	2.3	7
72	Space-time Combined Correlation Between Earthquakes and a New, Self-Consistent Definition of Aftershocks. <i>Lecture Notes in Physics</i> , 2006, , 259-279.	0.7	3

#	ARTICLE	IF	CITATIONS
73	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	42
74	Charge fluctuations and electron-phonon interaction in the finite-Hubbard model. <i>Physica B: Condensed Matter</i> , 2005, 359-361, 810-812.	2.7	0
75	Universal scaling in food-web structure? (reply). <i>Nature</i> , 2005, 435, E4-E4.	27.8	5
76	Nonadiabatic electron-phonon effects in low carrier density superconductors. <i>Physica Status Solidi (B): Basic Research</i> , 2005, 242, 133-150.	1.5	11
77	Statistical properties of dislocation mutual interactions. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2005, 2005, P04011.	2.3	1
78	Relevance of multiband Jahn-Teller effects on the electron-phonon interaction in A_3C_6O . <i>Physical Review B</i> , 2005, 72, .	3.2	4
79	Polaronic and Nonadiabatic Phase Diagram from Anomalous Isotope Effects. <i>Physical Review Letters</i> , 2005, 94, 036406.	7.8	27
80	Small Fermi energy, zero-point fluctuations, and nonadiabaticity in MgB_2 . <i>Physical Review B</i> , 2005, 71, .	3.2	40
81	STATISTICAL PHYSICS FOR COSMIC STRUCTURES. , 2005, , .		9
82	Topological approach to neural complexity. <i>Physical Review E</i> , 2005, 71, 016114.	2.1	11
83	Transport properties in correlated systems: An analytical model. <i>Physical Review B</i> , 2005, 72, .	3.2	6
84	Shear Stress Fluctuations in the Granular Liquid and Solid Phases. <i>Physical Review Letters</i> , 2005, 95, 138001.	7.8	32
85	Fractals vs. halos: Asymptotic scaling without fractal properties. <i>Europhysics Letters</i> , 2004, 66, 610-616.	2.0	2
86	Charge fluctuations and electron-phonon interaction in the finite-U Hubbard model. <i>Physical Review B</i> , 2004, 69, .	3.2	22
87	Assortative model for social networks. <i>Physical Review E</i> , 2004, 70, 037101.	2.1	91
88	Nonadiabatic high- T_c superconductivity in hole-doped fullerenes. <i>Physical Review B</i> , 2004, 69, .	3.2	11
89	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
90	Small Fermi energy effects in MgB_2 and related compounds. <i>Physica C: Superconductivity and Its Applications</i> , 2004, 408-410, 332-333.	1.2	1

#	ARTICLE	IF	CITATIONS
91	Unconventional pairing in fullerenes by nonadiabatic channels. Physica C: Superconductivity and Its Applications, 2004, 408-410, 240-241.	1.2	1
92	Social network growth with assortative mixing. Physica A: Statistical Mechanics and Its Applications, 2004, 338, 119-124.	2.6	41
93	Dynamic fracture model for acoustic emission. European Physical Journal B, 2003, 36, 203-207.	1.5	38
94	A cellular automaton model of gravitational clustering. Physica A: Statistical Mechanics and Its Applications, 2003, 323, 445-452.	2.6	1
95	Universal scaling relations in food webs. Nature, 2003, 423, 165-168.	27.8	261
96	Electron-phonon renormalization in small Fermi energy systems. Physical Review B, 2003, 68, .	3.2	22
97	Generation of primordial cosmological perturbations from statistical mechanical models. Physical Review D, 2003, 67, .	4.7	44
98	Band-filling effects on electron-phonon properties of normal and superconducting states. Physical Review B, 2003, 68, .	3.2	17
99	Poor screening and nonadiabatic superconductivity in correlated systems. Physical Review B, 2003, 68, .	3.2	6
100	The Structure of the Universe and its Scaling Properties. International Journal of Modern Physics A, 2003, 18, 113-116.	1.5	0
101	SCALING IN COSMIC STRUCTURES. Fractals, 2003, 11, 271-279.	3.7	1
102	NONADIABATIC EFFECTS AND THE ROLE OF SMALL FERMI ENERGY IN MgB ₂ . International Journal of Modern Physics B, 2003, 17, 560-566.	2.0	1
103	The origin of phonon anharmonicity in MgB ₂ and related compounds. Superconductor Science and Technology, 2003, 16, 143-146.	3.5	3
104	Food Web Structure and the Evolution of Complex Networks. Lecture Notes in Physics, 2003, , 148-166.	0.7	1
105	Nonadiabatic theory of the superconducting state. Physical Review B, 2002, 66, .	3.2	22
106	Small Fermi energy and phonon anharmonicity in MgB ₂ and related compounds. Physical Review B, 2002, 65, .	3.2	56
107	High T _c Superconductivity in MgB ₂ by Nonadiabatic Pairing. Physical Review Letters, 2002, 88, 117003.	7.8	52
108	Probabilistic approach to the Bak-Sneppen model. Physical Review E, 2002, 65, 046101.	2.1	5

#	ARTICLE	IF	CITATIONS
109	Clustering in gravitating N -body systems. Europhysics Letters, 2002, 57, 315-321.	2.0	11
110	The Holtzmark distribution of forces and its role in gravitational clustering. Journal of Physics Condensed Matter, 2002, 14, 2141-2152.	1.8	4
111	Local rigidity in sandpile models. Physical Review E, 2002, 66, 016133.	2.1	0
112	Narrow bands and electronic structure in unconventional high-TC superconductors. Journal of Electron Spectroscopy and Related Phenomena, 2002, 127, 117-123.	1.7	0
113	Clustering in galaxy distribution: comparison between redshift surveys. Physica A: Statistical Mechanics and Its Applications, 2002, 305, 242-246.	2.6	0
114	Clustering in N-body gravitating systems. Physica A: Statistical Mechanics and Its Applications, 2002, 305, 247-252.	2.6	7
115	Statistical Physics for cosmic structures. Physica A: Statistical Mechanics and Its Applications, 2002, 306, 395-401.	2.6	24
116	Nonadiabatic superconductivity in fullerene-based materials. Physics of the Solid State, 2002, 44, 454-458.	0.6	0
117	Spin susceptibility in small Fermi energy systems: effects of nonmagnetic impurities. European Physical Journal B, 2002, 30, 511-517.	1.5	6
118	Gravitational clustering in N-body simulations. AIP Conference Proceedings, 2001, , .	0.4	1
119	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
120	Superconductivity of Rb 3 C 60 : breakdown of the Migdal-Eliashberg theory. European Physical Journal B, 2001, 21, 383-391.	1.5	30
121	Nonadiabatic Pauli susceptibility in fullerene compounds. Physical Review B, 2001, 64, .	3.2	27
122	Nonadiabatic superconductivity and vertex corrections in uncorrelated systems. Physical Review B, 2001, 65, .	3.2	9
123	Perturbative Approach to the Bak-Sneppen Model. Physical Review Letters, 2001, 86, 1896-1899.	7.8	13
124	Growing dynamics of Internet providers. Physical Review E, 2001, 64, 035105.	2.1	13
125	Fractal structures and the large scale distribution of galaxies. , 2001, , 391-417.		0
126	Calculating buckyballs and nanotubes. Physics Today, 2000, 53, 76-77.	0.3	0

#	ARTICLE	IF	CITATIONS
127	Fractal universe. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2000, 280, 125-130.	2.6	4
128	-wave nonadiabatic superconductivity. <i>European Physical Journal B</i> , 2000, 17, 235-243.	1.5	8
129	EFFECT OF STRONG CORRELATION ON THE ELECTRON-PHONON INTERACTION. <i>International Journal of Modern Physics B</i> , 2000, 14, 2970-2975.	2.0	1
130	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
131	FAILURE OF THE MIGDAL-ELIASHBERG THEORY OF SUPERCONDUCTIVITY IN Rb3C60. <i>International Journal of Modern Physics B</i> , 2000, 14, 2950-2955.	2.0	1
132	A SURVEY OF NONADIABATIC SUPERCONDUCTIVITY IN CUPRATES AND FULLERIDES. <i>International Journal of Modern Physics B</i> , 2000, 14, 2938-2943.	2.0	1
133	The fractal properties of Internet. <i>Europhysics Letters</i> , 2000, 52, 386-391.	2.0	160
134	NONADIABATIC THEORY OF THE SUPERCONDUCTING STATE. <i>International Journal of Modern Physics B</i> , 2000, 14, 2976-2981.	2.0	2
135	Roughness of fracture surfaces. <i>Europhysics Letters</i> , 2000, 52, 304-310.	2.0	19
136	Fractal cosmology in an open universe. <i>Europhysics Letters</i> , 2000, 50, 416-422.	2.0	29
137	Nonadiabatic Channels in the Superconducting Pairing of Fullerides. <i>Physical Review Letters</i> , 2000, 85, 4771-4774.	7.8	36
138	Discretized Diffusion Processes. <i>Physical Review Letters</i> , 2000, 85, 4848-4851.	7.8	10
139	Invasion percolation with temperature and the nature of self-organized criticality in real systems. <i>Physical Review E</i> , 2000, 62, 7638-7641.	2.1	17
140	Scale invariant dynamics of surface growth. <i>Physical Review E</i> , 1999, 59, 6460-6475.	2.1	20
141	Renormalization-group study of one-dimensional systems with roughening transitions. <i>Physical Review E</i> , 1999, 60, 3719-3726.	2.1	1
142	Generalized dielectric breakdown model. <i>Physical Review B</i> , 1999, 60, 786-790.	3.2	6
143	Non perturbative renormalization group approach to surface growth. <i>Computer Physics Communications</i> , 1999, 121-122, 358-362.	7.5	1
144	The physical origin of the electron-phonon vertex correction. <i>European Physical Journal B</i> , 1999, 10, 247-255.	1.5	16

#	ARTICLE	IF	CITATIONS
145	Anomalous impurity effects in nonadiabatic superconductors. Europhysics Letters, 1999, 47, 588-594.	2.0	14
146	Pauli susceptibility of nonadiabatic Fermi liquids. Europhysics Letters, 1999, 47, 681-687.	2.0	11
147	Scale-invariance of galaxy clustering. Physics Reports, 1998, 293, 61-226.	25.6	193
148	On the Fractal Structure of Galaxy Distribution and its Implications for Cosmology. Fractals, 1998, 06, 231-243.	3.7	19
149	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
150	Nonadiabatic pairing effects for tight-binding electrons interacting with phonons. Physical Review B, 1998, 58, 5736-5743.	3.2	23
151	Hierarchical model of slow constrained dynamics. Physical Review E, 1998, 57, 4354-4360.	2.1	17
152	Nonperturbative Renormalization of the Kardar-Parisi-Zhang Growth Dynamics. Physical Review Letters, 1998, 80, 3527-3530.	7.8	60
153	High dimensional behavior of the Kardar-Parisi-Zhang growth dynamics. Physical Review E, 1998, 58, R5209-R5212.	2.1	28
154	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
155	The scale invariant dynamics. European Physical Journal Special Topics, 1998, 08, Pr6-57-Pr6-62.	0.2	0
156	A simple model of slow relaxation dynamics. European Physical Journal Special Topics, 1998, 08, Pr6-105-Pr6-108.	0.2	1
157	Theory of self-organized criticality for problems with extremal dynamics. Europhysics Letters, 1997, 38, 491-496.	2.0	16
158	Galaxy number counts and fractal correlations. Europhysics Letters, 1997, 39, 103-108.	2.0	7
159	Angular projections of fractal sets. Europhysics Letters, 1997, 40, 491-496.	2.0	11
160	Loreto et al Reply. Physical Review Letters, 1997, 78, 1393-1393.	7.8	1
161	Earthquake statistics and fractal faults. Physical Review E, 1997, 56, 1346-1356.	2.1	32
162	Renormalization Group Approach to the Critical Behavior of the Forest-Fire Model. Physical Review Letters, 1997, 78, 1392-1392.	7.8	2

#	ARTICLE	IF	CITATIONS
163	Laplacian Fractal Growth in Media with Quenched Disorder. <i>Physical Review Letters</i> , 1997, 79, 1503-1506.	7.8	7
164	Universality and Scale Invariant Dynamics in Laplacian Fractal Growth. <i>International Journal of Modern Physics B</i> , 1997, 11, 3595-3619.	2.0	0
165	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.	0.5	2
166	Theory of extremal dynamics with quenched disorder: Invasion percolation and related models. <i>Physical Review E</i> , 1996, 54, 1406-1425.	2.1	21
167	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
168	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.	2.6	30
169	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.	2.6	10
170	Self-Affine Asperity Model for Earthquakes. <i>Physical Review Letters</i> , 1996, 76, 2599-2602.	7.8	54
171	Density-of-states-driven anisotropies induced by momentum decoupling in $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8$. <i>Physical Review B</i> , 1996, 54, R6877-R6880.	3.2	34
172	Nonadiabatic superconductivity: The role of van Hove singularities. <i>Physical Review B</i> , 1996, 53, 932-944.	3.2	45
173	Van Hove singularities and nonadiabatic effects in superconductivity. <i>Europhysics Letters</i> , 1996, 36, 619-624.	2.0	22
174	Multifractality as a Link between Luminosity and Space Distribution of Visible Matter. <i>Astrophysical Journal</i> , 1996, 469, 26.	4.5	14
175	Nonadiabatic superconductivity: Electron phonon interaction beyond Migdal's Theorem. <i>Journal of Low Temperature Physics</i> , 1995, 99, 535-543.	1.4	4
176	Fractals, self-organized-criticality and the fixed scale transformation. <i>Chaos, Solitons and Fractals</i> , 1995, 6, 471-480.	5.1	2
177	Fixed scale transformation applied to fractal aggregation with levy flight particle trajectories. <i>Chaos, Solitons and Fractals</i> , 1995, 6, 585-591.	5.1	0
178	Fixed scale transformation for fracture growth processes governed by vectorial fields. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1995, 215, 223-232.	2.6	1
179	Electron-phonon superconductivity beyond Migdal's theorem. <i>Physica B: Condensed Matter</i> , 1995, 204, 222-227.	2.7	5
180	Renormalization Group Approach to the Critical Behavior of the Forest-Fire Model. <i>Physical Review Letters</i> , 1995, 75, 465-468.	7.8	56

#	ARTICLE	IF	CITATIONS
181	Boson mediators of high-T _c superconductivity: Phonons versus composite bosons from the superconducting phenomenology. Physical Review B, 1995, 52, R15753-R15756.	3.2	7
182	Nonadiabatic superconductivity. I. Vertex corrections for the electron-phonon interactions. Physical Review B, 1995, 52, 10516-10529.	3.2	166
183	Nonadiabatic Superconductivity: Electron-Phonon Interaction Beyond Migdal's Theorem. Physical Review Letters, 1995, 75, 1158-1161.	7.8	150
184	Nonadiabatic superconductivity. II. Generalized Eliashberg equations beyond Migdal's theorem. Physical Review B, 1995, 52, 10530-10546.	3.2	143
185	MAPPING OF A DETERMINISTIC DYNAMICS WITH QUENCHED VARIABLES INTO A STOCHASTIC PROBLEM WITH COGNITIVE MEMORY. Fractals, 1995, 03, 471-481.	3.7	0
186	RENORMALIZATION GROUP APPROACH FOR FOREST FIRE MODELS. Fractals, 1995, 03, 445-452.	3.7	1
187	THEORETICAL CONCEPTS FOR FRACTAL GROWTH AND SELF-ORGANIZED CRITICALITY. Fractals, 1995, 03, 405-414.	3.7	1
188	Renormalization approach to the self-organized critical behavior of sandpile models. Physical Review E, 1995, 51, 1711-1724.	2.1	85
189	Local Rigidity and Self-Organized Criticality for Avalanches. Europhysics Letters, 1995, 29, 111-116.	2.0	33
190	The fixed-scale transformation approach to fractal growth. Reviews of Modern Physics, 1995, 67, 545-604.	45.6	108
191	Superconductivity beyond Migdal's Theorem and High- <i>T_c</i> Phenomenology. Europhysics Letters, 1994, 28, 351-356.	2.0	20
192	Renormalization scheme for self-organized criticality in sandpile models. Physical Review Letters, 1994, 72, 1690-1693.	7.8	131
193	FIXED SCALE TRANSFORMATION APPROACH TO CLUSTER-CLUSTER AGGREGATION. Fractals, 1993, 01, 41-45.	3.7	4
194	SCALE-INVARIANT DYNAMICS AND UNIVERSALITY CLASSES IN LAPLACIAN FRACTAL GROWTH. Fractals, 1993, 01, 1002-1007.	3.7	1
195	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
196	THE FIXED SCALE TRANSFORMATION: STATUS AND PERSPECTIVES. Fractals, 1993, 01, 650-662.	3.7	1
197	Theory of Nonadiabatic Superconductivity. Europhysics Letters, 1992, 18, 627-633.	2.0	85
198	Fixed-Scale Transformation for Directed Percolation. Europhysics Letters, 1992, 20, 595-600.	2.0	3

#	ARTICLE	IF	CITATIONS
199	Multifractal nature of fractons on a percolating cluster. <i>Physical Review B</i> , 1992, 45, 12864-12872.	3.2	25
200	Superconductivity Mechanisms in Doped C ₆₀ . <i>Europhysics Letters</i> , 1992, 17, 365-371.	2.0	58
201	The fractal nature of the universe. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1992, 185, 45-55.	2.6	8
202	Fractals in physics: applications and theoretical developments. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1992, 191, 85-94.	2.6	11
203	Asymptotic screening in the scale invariant growth rules for Laplacian fractals. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1992, 191, 128-133.	2.6	0
204	The fractal structure of the universe. <i>Physics Reports</i> , 1992, 213, 311-389.	25.6	226
205	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
206	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.	2.6	9
207	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.	2.6	20
208	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
209	Properties of the growth probability for the dielectric breakdown model in cylinder geometry. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1991, 175, 9-30.	2.6	11
210	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.	2.6	4
211	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
212	Theoretical studies of self-organized criticality. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1991, 173, 22-44.	2.6	54
213	Universality of Growth Rules in Fractal Growth. <i>Europhysics Letters</i> , 1991, 16, 417-422.	2.0	11
214	Fixed scale transformation for Ising and Potts clusters. <i>Journal of Physics A</i> , 1991, 24, 1875-1887.	1.6	11
215	Theory of the Depinning Transition in Charge Density Waves. <i>Europhysics Letters</i> , 1991, 16, 321-326.	2.0	26
216	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.	2.6	9

#	ARTICLE	IF	CITATIONS
217	Dynamics of pinned charge density waves: Numerical simulations. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1990, 166, 447-472.	2.6	13
218	Invasion percolation as a fractal growth problem. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1990, 170, 81-104.	2.6	19
219	Percolation as a fractal growth problem. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1990, 170, 64-80.	2.6	14
220	Theory of fractal growth. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1990, 163, 316-324.	2.6	5
221	Nonhomogeneous charge distribution in layered high-T _c superconductors. <i>Physical Review Letters</i> , 1990, 64, 2827-2830.	7.8	141
222	Glassy dynamics of pinned charge-density waves. <i>Physical Review B</i> , 1990, 41, 11522-11528.	3.2	18
223	Percolation and invasion percolation as fractal growth problems. <i>Physical Review A</i> , 1990, 42, 7496-7499.	2.5	14
224	Intrinsic Test for the Cone Angle Ansatz in the Dielectric Breakdown Model. <i>Europhysics Letters</i> , 1989, 10, 607-613.	2.0	2
225	Multifractal cascades with interactions. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1989, 156, 613-627.	2.6	16
226	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
227	Theoretical concepts for fractal growth. <i>Physics Reports</i> , 1989, 184, 273-279.	25.6	0
228	Theory of Fractal Growth. <i>Physica Scripta</i> , 1989, T25, 230-230.	2.5	0
229	Theory of Laplacian fractals: Diffusion limited aggregation and dielectric breakdown model. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1988, 151, 207-245.	2.6	75
230	Exponentiated random walks, supersymmetry and localization. <i>European Physical Journal B</i> , 1988, 73, 161-166.	1.5	7
231	From physical dielectric breakdown to the stochastic fractal model. <i>European Physical Journal B</i> , 1988, 70, 87-93.	1.5	47
232	Theory of Fractal Growth. <i>Physical Review Letters</i> , 1988, 61, 861-864.	7.8	152
233	Pietronero and Siebasma Reply. <i>Physical Review Letters</i> , 1988, 61, 1038-1038.	7.8	2
234	Comment on "Self-Similarity of Fluctuations in Random Multiplicative Processes". <i>Physical Review Letters</i> , 1988, 61, 1037-1037.	7.8	3

#	ARTICLE	IF	CITATIONS
235	Correlations in multifractals. <i>Journal of Physics A</i> , 1988, 21, 3259-3267.	1.6	7
236	Decaying Memory in Kinetic Critical Phenomena. <i>Europhysics Letters</i> , 1987, 4, 869-874.	2.0	4
237	Multifractal analysis of fluctuations for wave functions localized by disorder. <i>Physical Review B</i> , 1987, 36, 5635-5638.	3.2	34
238	Superficial lightning injuries—their “fractal” shape and origin. <i>Burns</i> , 1987, 13, 141-146.	1.9	43
239	Multifractal Properties of Wave Functions for One-Dimensional Systems with an Incommensurate Potential. <i>Europhysics Letters</i> , 1987, 4, 597-602.	2.0	65
240	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.	2.6	173
241	Random walks with memory. <i>Rivista Del Nuovo Cimento</i> , 1987, 10, 1-33.	5.7	49
242	The Laplacian Random Walk. <i>Europhysics Letters</i> , 1986, 2, 77-82.	2.0	34
243	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
244	Niemeyer, Pietronero, and Wiesmann Respond:. <i>Physical Review Letters</i> , 1986, 57, 650-650.	7.8	21
245	Comment on "Fractal Dimension of Dielectric Breakdown". <i>Physical Review Letters</i> , 1986, 57, 649-649.	7.8	11
246	Self-Similarity of Fluctuations in Random Multiplicative Processes. <i>Physical Review Letters</i> , 1986, 57, 1098-1101.	7.8	60
247	Pietronero Responds. <i>Physical Review Letters</i> , 1986, 56, 2431-2431.	7.8	3
248	Flory Approach to the Enhancement Factor in Polymer Statistics. <i>Physical Review Letters</i> , 1985, 55, 1479-1481.	7.8	13
249	Survival Probability for Kinetic Self-Avoiding Walks. <i>Physical Review Letters</i> , 1985, 55, 2025-2027.	7.8	42
250	Surface melting of copper. <i>Physical Review B</i> , 1985, 31, 3456-3459.	3.2	137
251	Multilayer relaxation and melting of a metal surface. <i>Surface Science</i> , 1985, 152-153, 155-161.	1.9	33
252	Electron Band Structure of Solid Methane:Ab InitioCalculations. <i>Physical Review B</i> , 1973, 7, 5321-5329.	3.2	23

#	ARTICLE	IF	CITATIONS
253	Economic Complexity as a Determinant of Industrialization of Countries: The Case of India. , 0, , 87-110.		0