Hideki Takayasu

List of Publications by Year
in descending order

204 papers	4,933 citations	94269 37 h-index	114278 63 g-index
214 all docs	214 docs citations	214 times ranked	1921 citing authors

#	Article	IF	Citations
1	Analysis of Individual High-Frequency Traders' Buy–Sell Order Strategy Based on Multivariate Hawkes Process. Entropy, 2022, 24, 214.	1.1	0
2	Diffusion-Localization Transition Point of Gravity Type Transport Model on Regular Ring Lattices and Bethe Lattices. Journal of Statistical Physics, 2022, 186, 1.	0.5	2
3	Classification of endogenous and exogenous bursts in collective emotions based on Weibo comments during COVID-19. Scientific Reports, 2022, 12, 3120.	1.6	1
4	Potential fields and fluctuation-dissipation relations derived from human flow in urban areas modeled by a network of electric circuits. Scientific Reports, 2022, 12, .	1.6	0
5	Sigma-Pi Structure with Bernoulli Random Variables: Power-Law Bounds for Probability Distributions and Growth Models with Interdependent Entities. Entropy, 2021, 23, 241.	1.1	2
6	Robust Characterization of Multidimensional Scaling Relations between Size Measures for Business Firms. Entropy, 2021, 23, 168.	1.1	3
7	Universal scaling of human flow remain unchanged during the COVID-19 pandemic. Applied Network Science, 2021, 6, 75.	0.8	6
8	Segmentation of time series in up- and down-trends using the epsilon-tau procedure with application to USD/JPY foreign exchange market data. PLoS ONE, 2020, 15, e0239494.	1.1	2
9	Universal scaling laws of collective human flow patterns in urban regions. Scientific Reports, 2020, 10, 21405.	1.6	7
10	Metabolic Dynamics of Ecosystems Realizing Steady Log-Uniform Distributions: The Case of Commodities in Shops. Entropy, 2020, 22, 267.	1.1	0
11	The microscopic relationships between triangular arbitrage and cross-currency correlations in a simple agent based model of foreign exchange markets. PLoS ONE, 2020, 15, e0234709.	1.1	2
12	Allometric Scaling of Mutual Information in Complex Networks: A Conceptual Framework and Empirical Approach. Entropy, 2020, 22, 206.	1.1	3
13	Title is missing!. , 2020, 15, e0239494.		0
14	Title is missing!. , 2020, 15, e0239494.		0
15	Title is missing!. , 2020, 15, e0239494.		0
16	Title is missing!. , 2020, 15, e0239494.		0
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19	Random coefficient autoregressive processes and the PUCK model with fluctuating potential. Journal of Statistical Mechanics: Theory and Experiment, 2019, 2019, 013403.	0.9	1
20	Assembling real networks from synthetic and unstructured subsets: the corporate reporting case. Scientific Reports, 2019, 9, 11075.	1.6	6
21	Classification of position management strategies at the order-book level and their influences on future market-price formation. PLoS ONE, 2019, 14, e0220645.	1.1	6
22	Identifying long-term periodic cycles and memories of collective emotion in online social media. PLoS ONE, 2019, 14, e0213843.	1.1	15
23	Estimation of sales decrease caused by a disaster: Hokkaido blackout after earthquake in 2018. Journal of Computational Social Science, 2019, 2, 47-51.	1.4	1
24	Modeling and simulation of Japanese inter-firm network. Artificial Life and Robotics, 2019, 24, 257-261.	0.7	4
25	Time evolution of companies towards a stable scaling curve obtained from flow diagrams in three-dimensional phase space. New Journal of Physics, 2019, 21, 043038.	1.2	3
26	Tracking Poisson Parameter for Non-Stationary Discontinuous Time Series with Taylor's Abnormal Fluctuation Scaling. Stats, 2019, 2, 55-69.	0.5	2
27	Dynamics of essential interaction between firms on financial reports. PLoS ONE, 2019, 14, e0225853.	1.1	0
28	Diffusion-localization transition caused by nonlinear transport on complex networks. Scientific Reports, 2018, 8, 5517.	1.6	8
29	Derivation of the Boltzmann Equation for Financial Brownian Motion: Direct Observation of the Collective Motion of High-Frequency Traders. Physical Review Letters, 2018, 120, 138301.	2.9	35
30	Estimation of Economic Indicator Announced by Government From Social Big Data. Entropy, 2018, 20, 852.	1.1	6
31	Ecology of trading strategies in a forex market for limit and market orders. PLoS ONE, 2018, 13, e0208332.	1.1	8
32	Kinetic theory for financial Brownian motion from microscopic dynamics. Physical Review E, 2018, 98, .	0.8	14
33	Measuring Statistical Asymmetries of Stochastic Processes: Study of the Autoregressive Process. Entropy, 2018, 20, 511.	1.1	0
34	Smoluchowski Equation for Networks: Merger Induced Intermittent Giant Node Formation and Degree Gap. Journal of Statistical Physics, 2018, 172, 1086-1100.	0.5	3
35	Motif formation and industry specific topologies in the Japanese business firm network. Journal of Statistical Mechanics: Theory and Experiment, 2017, 2017, 053404.	0.9	12
36	Appearance of Unstable Monopoly State Caused by Selective and Concentrative Mergers in Business Networks. Scientific Reports, 2017, 7, 5064.	1.6	11

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37	Power-Law Distributions from Sigma-Pi Structure of Sums of Random Multiplicative Processes. Entropy, 2017, 19, 417.	1.1	3
38	A Dealer Model of Foreign Exchange Market with Finite Assets. , 2017, , .		0
39	Detection of statistical asymmetries in non-stationary sign time series: Analysis of foreign exchange data. PLoS ONE, 2017, 12, e0177652.	1.1	6
40	A 3-dimensional mathematical model of microbial proliferation that generates the characteristic cumulative relative abundance distributions in gut microbiomes. PLoS ONE, 2017, 12, e0180863.	1.1	6
41	Estimating risk propagation between interacting firms on inter-firm complex network. PLoS ONE, 2017, 12, e0185712.	1.1	15
42	Statistical properties of fluctuations of time series representing appearances of words in nationwide blog data and their applications: An example of modeling fluctuation scalings of nonstationary time series. Physical Review E, 2016, 94, 052317.	0.8	7
43	Property of Fluctuations of Sales Quantities by Product Category in Convenience Stores. PLoS ONE, 2016, 11, e0157653.	1.1	5
44	Financial Knudsen number: Breakdown of continuous price dynamics and asymmetric buy-and-sell structures confirmed by high-precision order-book information. Physical Review E, 2015, 92, 042811.	0.8	19
45	Rumor Diffusion and Convergence during the 3.11 Earthquake: A Twitter Case Study. PLoS ONE, 2015, 10, e0121443.	1.1	100
46	Fluctuation scaling in online social media. , 2015, , .		0
47	Extraction of conjugate main-stream structures from a complex network flow. Physical Review E, 2015, 91, 042815.	0.8	2
48	Basic methods of change-point detection of financial fluctuations. , 2015, , .		3
49	Simulation of Gross Domestic Product in International Trade Networks: Linear Gravity Transportation Model. Springer Proceedings in Complexity, 2015, , 111-118.	0.2	1
50	Empirical Analysis of Firm-Dynamics on Japanese Interfirm Trade Network. Springer Proceedings in Complexity, 2015, , 195-204.	0.2	10
51	Execution and Cancellation Lifetimes in Foreign Currency Market. Springer Proceedings in Complexity, 2015, , 27-37.	0.2	2
52	Precise Calculation of a Bond Percolation Transition and Survival Rates of Nodes in a Complex Network. PLoS ONE, 2015, 10, e0119979.	1.1	10
53	Influence Networks in the Foreign Exchange Market. Springer Proceedings in Complexity, 2015, , 3-13.	0.2	1
54	Hubs and Authorities in the World Trade Network Using a Weighted HITS Algorithm. PLoS ONE, 2014, 9, e100338.	1.1	54

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55	Financial Brownian Particle in the Layered Order-Book Fluid and Fluctuation-Dissipation Relations. Physical Review Letters, 2014, 112, 098703.	2.9	52
56	Rapid detection of the switching point in a financial market structure using the particle filter. Journal of Statistical Computation and Simulation, 2014, 84, 2073-2090.	0.7	8
57	Generalised Central Limit Theorems for Growth Rate Distribution of Complex Systems. Journal of Statistical Physics, 2014, 155, 47-71.	0.5	29
58	Empirical analysis of collective human behavior for extraordinary events in the blogosphere. Physical Review E, 2013, 87, 012805.	0.8	42
59	Relations between allometric scalings and fluctuations in complex systems: The case of Japanese firms. Physica A: Statistical Mechanics and Its Applications, 2013, 392, 741-756.	1.2	22
60	Ecosystems perspective on financial networks: Diagnostic tools. Complexity, 2013, 19, 22-36.	0.9	8
61	Random walk or a run. Market microstructure analysis of foreign exchange rate movements based on conditional probability. Quantitative Finance, 2012, 12, 893-905.	0.9	9
62	Biased diffusion on the Japanese inter-firm trading network: estimation of sales from the network structure. New Journal of Physics, 2012, 14, 043034.	1.2	19
63	Zipf's Law and Heaps' Law Can Predict the Size of Potential Words. Progress of Theoretical Physics Supplement, 2012, 194, 202-209.	0.2	10
64	Effect of Coagulation of Nodes in an Evolving Complex Network. Physical Review Letters, 2012, 108, 168701.	2.9	51
65	REPLICATION OF NON-TRIVIAL DIRECTIONAL MOTION IN MULTI-SCALES OBSERVED BY THE RUNS TEST. International Journal of Modern Physics Conference Series, 2012, 16, 136-148.	0.7	4
66	The origin of asymmetric behavior of money flow in the business firm network. European Physical Journal: Special Topics, 2012, 212, 65-75.	1.2	8
67	On the nonstationarity of the exchange rate process. International Review of Financial Analysis, 2012, 23, 30-34.	3.1	3
68	Fractals and Economics. , 2012, , 512-531.		0
69	Construction of the Spread Dealer Model and its Application. Transactions of the Japanese Society for Artificial Intelligence, 2012, 27, 365-375.	0.1	2
70	The limit distributions of growth rate fluctuation of complex systems: An application to business firms. , 2011, , .		0
71	Collective purchase behavior toward retail price changes. Physica A: Statistical Mechanics and Its Applications, 2011, 390, 499-504.	1.2	7
72	Dependence of the number of dealers in a stochastic dealer model. Journal of Physics: Conference Series, 2010, 221, 012015.	0.3	2

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73	Network motifs in an inter-firm network. Journal of Economic Interaction and Coordination, 2010, 5, 171-180.	0.4	61
74	Preface to the special issue. Journal of Economic Interaction and Coordination, 2010, 5, 169-170.	0.4	0
75	ASYMMETRIC INHIBITORY CONNECTIONS ENHANCE DIRECTIONAL SELECTIVITY IN A THREE-LAYER SIMULATION MODEL OF RETINAL NETWORKS. Journal of Integrative Neuroscience, 2010, 09, 337-350.	0.8	1
76	Random walker in temporally deforming higher-order potential forces observed in a financial crisis. Physical Review E, 2009, 80, 056110.	0.8	27
77	Solvable stochastic dealer models for financial markets. Physical Review E, 2009, 79, 051120.	0.8	29
78	Continuum Limit and Renormalization of Market Price Dynamics Based on PUCK Model. Progress of Theoretical Physics Supplement, 2009, 179, 1-7.	0.2	7
79	Observation of Two Types of Behaviors of Financial Bubbles and the Related Higher-Order Potential Forces. Progress of Theoretical Physics Supplement, 2009, 179, 8-16.	0.2	4
80	Hubs and Authorities on Japanese Inter-Firm Network: Characterization of Nodes in Very Large Directed Networks. Progress of Theoretical Physics Supplement, 2009, 179, 157-166.	0.2	42
81	Estimation of Parameters from Discrete Random Nonstationary Time Series. Progress of Theoretical Physics Supplement, 2009, 179, 198-208.	0.2	0
82	Fractals and Economics. , 2009, , 444-463.		6
83	Dynamics of quote and deal prices in the foreign exchange market. Journal of Economic Interaction and Coordination, 2008, 3, 99-106.	0.4	14
84	The grounds for time dependent market potentials from dealers' dynamics. European Physical Journal B, 2008, 63, 529-532.	0.6	6
85	MINORITY AND MAJORITY GAMES IN FINANCIAL MARKETS. Fractals, 2007, 15, 97-100.	1.8	0
86	A mathematical definition of the financial bubbles and crashes. Physica A: Statistical Mechanics and Its Applications, 2007, 383, 120-124.	1.2	37
87	Theoretical analysis of potential forces in markets. Physica A: Statistical Mechanics and Its Applications, 2007, 383, 115-119.	1.2	12
88	Extracting the exponential behaviors in the market data. Physica A: Statistical Mechanics and Its Applications, 2007, 382, 336-339.	1.2	16
89	Characterization of foreign exchange market using the threshold-dealer-model. Physica A: Statistical Mechanics and Its Applications, 2007, 382, 340-346.	1.2	19
90	Analysis of price diffusion in financial markets using PUCK model. Physica A: Statistical Mechanics and Its Applications, 2007, 382, 187-192.	1.2	20

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91	Correlation networks among currencies. Physica A: Statistical Mechanics and Its Applications, 2006, 364, 336-342.	1.2	166
92	Potential force observed in market dynamics. Physica A: Statistical Mechanics and Its Applications, 2006, 370, 91-97.	1.2	53
93	Modeling a foreign exchange rate using moving average of Yen-Dollar market data. , 2006, , 57-61.		0
94	Temporal characteristics of moving average of foreign exchange markets. , 2006, , 29-32.		2
95	The role of random dendrites and inhibitory pathways in retinal neuron networks. Physica A: Statistical Mechanics and Its Applications, 2005, 357, 513-524.	1.2	3
96	A cause of self-similarity in TCP traffic. International Journal of Communication Systems, 2005, 18, 603-617.	1.6	5
97	Image analysis of irregularity of cluster shape in cytological diagnosis of breast tumors: Cluster analysis with 2D-fractal dimension. Diagnostic Cytopathology, 2005, 33, 71-77.	0.5	20
98	Triangular Arbitrage in the Foreign Exchange Market. , 2004, , 18-23.		2
99	An analysis on the critical phenomena in CSMA/CD network traffic model by computer simulations. Electronics and Communications in Japan, 2004, 87, 98-106.	0.1	3
100	The mean-field approximation model of company's income growth. Physica A: Statistical Mechanics and Its Applications, 2004, 332, 403-411.	1.2	15
101	Self-similarity of banking network. Physica A: Statistical Mechanics and Its Applications, 2004, 339, 621-634.	1.2	46
102	Statistical properties of the moving average price in dollar–yen exchange rates. Physica A: Statistical Mechanics and Its Applications, 2004, 344, 207-210.	1.2	29
103	Traders' strategy with price feedbacks in financial market. Physica A: Statistical Mechanics and Its Applications, 2004, 344, 330-334.	1.2	11
104	Deterministic and stochastic influences on Japan and US stock and foreign exchange markets. A Fokker-Planck approach. , 2004, , 161-168.		2
105	Investment strategy based on a company growth model. , 2004, , 256-261.		2
106	Triangular arbitrage and negative auto-correlation of foreign exchange rates. Physica A: Statistical Mechanics and Its Applications, 2003, 324, 253-257.	1.2	20
107	A dynamical structure of high frequency currency exchange market. Physica A: Statistical Mechanics and Its Applications, 2003, 324, 366-371.	1.2	15
108	Analysis of high-resolution foreign exchange data of USD-JPY for 13 years. Physica A: Statistical Mechanics and Its Applications, 2003, 324, 296-302.	1.2	55

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109	Self-modulation processes and resulting generic 1/f fluctuations. Physica A: Statistical Mechanics and Its Applications, 2003, 324, 101-107.	1.2	25
110	Finite-time singularity signature of hyperinflation. Physica A: Statistical Mechanics and Its Applications, 2003, 325, 492-506.	1.2	33
111	Spatial Asymmetry and Temporal Delay of Inhibitory Amacrine Cells Produce Directional Selectivity in Retina. , 2003, , 118-119.		0
112	Triangular arbitrage as an interaction among foreign exchange rates. Physica A: Statistical Mechanics and Its Applications, 2002, 310, 467-479.	1.2	33
113	Predictability of currency market exchange. Physica A: Statistical Mechanics and Its Applications, 2002, 308, 368-374.	1.2	47
114	The mechanism of double-exponential growth in hyper-inflation. Physica A: Statistical Mechanics and Its Applications, 2002, 308, 411-419.	1.2	21
115	Market Fluctuations II: Multiplicative and Percolation Models, Size Effects, and Predictions. , 2002, , 410-435.		7
116	Transaction Interval Analysis of High Resolution Foreign Exchange Data. , 2002, , 18-25.		12
117	Statistical Laws in the Income of Japanese Companies. , 2002, , 321-330.		28
118	Parameter Estimation of a Generalized Langevin Equation of Market Price. , 2002, , 260-270.		1
119	Market price simulator based on analog electrical circuit. , 2002, , 214-221.		1
120	Derivation of ARCH(1) process from market price changes based on deterministic microscopic multi-agent. , 2002, , 171-178.		3
121	A characteristic time scale in dollarâ€"yen exchange rates. Physica A: Statistical Mechanics and Its Applications, 2001, 291, 574-582.	1.2	17
122	Econophysics: Empirical Laws, Theory, and Application. , 2001, , 191-200.		0
123	Origin of critical behavior in Ethernet traffic. Physica A: Statistical Mechanics and Its Applications, 2000, 287, 289-301.	1.2	40
124	Dynamic phase transition observed in the Internet traffic flow. Physica A: Statistical Mechanics and Its Applications, 2000, 277, 248-255.	1.2	91
125	PARETO'S LAW FOR INCOME OF INDIVIDUALS AND DEBT OF BANKRUPT COMPANIES. Fractals, 2000, 08, 293-300.	1.8	111
126	Invariant power law distribution of Langevin systems with colored multiplicative noise. Physical Review E, 2000, 61, 1081-1087.	0.8	18

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127	POWER LAW FLUCTUATION GENERATOR BASED ON ANALOG ELECTRICAL CIRCUIT. Fractals, 2000, 08, 219-225.	1.8	21
128	SPATIO-TEMPORAL SEISMICITY IN AN ELASTIC BLOCK LATTICE MODEL. Fractals, 1999, 07, 301-311.	1.8	5
129	Avalanche Behavior and Statistical Properties in a Microcrack Coalescence Process. Physical Review Letters, 1999, 82, 347-350.	2.9	38
130	SPATIAL AND TEMPORAL BEHAVIOR OF CONGESTION IN INTERNET TRAFFIC. Fractals, 1999, 07, 23-31.	1.8	28
131	Critical fluctuations of demand and supply. Physica A: Statistical Mechanics and Its Applications, 1999, 269, 24-29.	1.2	21
132	Zipf's law in income distribution of companies. Physica A: Statistical Mechanics and Its Applications, 1999, 269, 125-131.	1.2	218
133	Analysis of spontaneous magnetoencephalography data by similarity measures. Physica A: Statistical Mechanics and Its Applications, 1999, 270, 543-551.	1.2	0
134	Application of statistical physics to the Internet traffics. Physica A: Statistical Mechanics and Its Applications, 1999, 274, 140-148.	1.2	29
135	Application of statistical physics to impact fragmentation. Physica A: Statistical Mechanics and Its Applications, 1999, 274, 300-309.	1.2	1
136	Dynamic numerical models of stock market price: from microscopic determinism to macroscopic randomness. Physica A: Statistical Mechanics and Its Applications, 1998, 250, 231-252.	1.2	102
137	Left Heart Bypass Using the Oscillated Blood Flow with Totally Implantable Vibrating Flow Pump. Artificial Organs, 1998, 22, 426-429.	1.0	16
138	Self-organized criticality in a block lattice model of the brittle crust. Physics Letters, Section A: General, Atomic and Solid State Physics, 1998, 242, 349-354.	0.9	6
139	Phase transition in a computer network model. Physica A: Statistical Mechanics and Its Applications, 1998, 253, 315-322.	1.2	79
140	Intermittency and Scaling in Cascading Random Transport. Fractals, 1998, 06, 121-126.	1.8	0
141	Country Dependence on Company Size Distributions and a Numerical Model Based on Competition and Cooperation. Fractals, 1998, 06, 67-79.	1.8	96
142	Error propagation in a model of impact fracture. Physical Review E, 1998, 58, 5179-5182.	0.8	0
143	Spectral Analysis of Multichannel Meg Data. Fractals, 1998, 06, 395-400.	1.8	2
144	Aspect Ratio Dependence of Impact Fragmentation. Physical Review Letters, 1997, 78, 3455-3458.	2.9	37

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145	Stable Infinite Variance Fluctuations in Randomly Amplified Langevin Systems. Physical Review Letters, 1997, 79, 966-969.	2.9	253
146	Nonlinear Mathematical Analysis of the Hemodynamic Parameters During Left Ventricular Assistance with Oscillated Blood Flow. Artificial Organs, 1997, 21, 625-629.	1.0	5
147	Fractal distributions â€" from the real world to the information world. , 1997, , 91-98.		0
148	Extracting 1/f Fluctuation from the Arterial Blood Pressure of an Artificial Heart. Artificial Organs, 1996, 20, 777-782.	1.0	5
149	Universal fragment size distribution in a numerical model of impact fracture. Physica A: Statistical Mechanics and Its Applications, 1996, 229, 5-25.	1.2	22
150	Critical behaviors and $1/f$ noise in information traffic. Physica A: Statistical Mechanics and Its Applications, 1996, 233, 824-834.	1.2	123
151	FRACTAL IMAGE ANALYSIS OF NATURAL SCENES AND MEDICAL IMAGES. Fractals, 1996, 04, 463-468.	1.8	18
152	WATER EROSION ON FRACTAL SURFACE. Fractals, 1996, 04, 385-392.	1.8	2
153	FRACTAL LIMIT DISTRIBUTIONS IN RANDOM TRANSPORTS. Fractals, 1996, 04, 257-264.	1.8	2
154	FRACTAL ANALYSES FOR A MODEL OF IMPACT FRAGMENTATION. Fractals, 1996, 04, 393-399.	1.8	1
155	Long-term memory effects in closed random aggregating systems. Europhysics Letters, 1996, 33, 99-104.	0.7	5
156	Computer Simulation of Pore Formation in Iron-ore Sintercake. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 1996, 82, 111-115.	0.1	3
157	A parity conserving model with spontaneous annihilation. Journal of Physics A, 1995, 28, 1145-1147.	1.6	3
158	Fractal Dimension Analysis of the Oscillated Blood Flow with a Vibrating Flow Pump. Artificial Organs, 1995, 19, 729-733.	1.0	12
159	Fractal dimension analysis of the muscle sympathetic nerve activity. Pathophysiology, 1995, 2, 173-176.	1.0	3
160	Power Law Velocity Fluctuations Due to Inelastic Collisions in Numerically Simulated Vibrated Bed of Powder. Europhysics Letters, 1995, 30, 499-504.	0.7	49
161	A Percolation-like Phase Transition in Oxygen-limited Combustion.. Interdisciplinary Information Sciences, 1995, 1, 151-156.	0.2	0
162	NON-GAUSSIAN DISTRIBUTION IN RANDOM TRANSPORT DYNAMICS. International Journal of Modern Physics B, 1994, 08, 3887-3961.	1.0	13

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163	Universality class for extinction-survival phase transition in one dimension. Physical Review E, 1994, 49, 1070-1072.	0.8	4
164	A new mesoscopic scale model for simulating fluid turbulence: the lattice vortex tube model. Physica D: Nonlinear Phenomena, 1993, 69, 366-379.	1.3	7
165	THE BEHAVIOR OF A THRESHOLD MODEL OF MARKET PRICE IN STOCK EXCHANGE. Fractals, 1993, 01, 29-40.	1.8	25
166	UNIVERSALITY OF 1-DIMENSIONAL REACTION MODELS. Fractals, 1993, 01, 480-490.	1.8	1
167	POWER-LAW DISTRIBUTION OF RIVER BASIN SIZES. Fractals, 1993, 01, 521-528.	1.8	2
168	1/f NOISE IN A TRAFFIC MODEL. Fractals, 1993, 01, 860-866.	1.8	256
169	Non-Gaussian distribution in random advection dynamics. Physical Review Letters, 1993, 70, 782-785.	2.9	13
170	Water erosion as a fractal growth process. Physical Review E, 1993, 47, 899-910.	0.8	41
171	Reaction limited catalytic reaction in one dimension. Journal of Physics A, 1992, 25, L585-L591.	1.6	18
172	New type of self-organized criticality in a model of erosion. Physical Review Letters, 1992, 68, 966-969.	2.9	86
173	Extinction, survival, and dynamical phase transition of branching annihilating random walk. Physical Review Letters, 1992, 68, 3060-3063.	2.9	210
174	At the edge of a percolation system: Half space percolation. Solid State Communications, 1992, 82, 513-516.	0.9	0
175	Aggregation with power-law and fractal input. Physica A: Statistical Mechanics and Its Applications, 1992, 189, 4-14.	1.2	2
176	Statistical properties of deterministic threshold elements â€" the case of market price. Physica A: Statistical Mechanics and Its Applications, 1992, 184, 127-134.	1.2	117
177	Fractal features of the earthquake phenomenon and a simple mechanical model. Journal of Geophysical Research, 1991, 96, 19925-19931.	3.3	40
178	Statistical properties of aggregation with injection. Journal of Statistical Physics, 1991, 65, 725-745.	0.5	81
179	Simulations of a monomer-dimer catalysis model on a Sierpinski gasket. Physical Review A, 1991, 44, 8388-8389.	1.0	19
180	Saturation transition in a monomer-monomer model of heterogeneous catalysis. Journal of Physics A, 1990, 23, 4297-4312.	1.6	58

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181	Stability and relaxation of power-law distribution. Physical Review A, 1990, 42, 7087-7090.	1.0	6
182	Lorentzian distribution of interacting vortex tubes. Physical Review A, 1990, 41, 2249-2251.	1.0	5
183	Steady-state distribution of generalized aggregation system with injection. Physical Review Letters, 1989, 63, 2563-2565.	2.9	128
184	Apparent independency of an aggregation system with injection. Physical Review A, 1989, 39, 4345-4347.	1.0	13
185	Comment on â€˜â€˜Noise-induced bistability in a Monte Carlo surface-reaction modelâ€™â€™. Physical Review Letters, 1989, 63, 2857-2857.	2.9	53
186	Dynamical phase transition in threshold elements. Physics Letters, Section A: General, Atomic and Solid State Physics, 1988, 131, 244-247.	0.9	52
187	A new approach to generalized diffusion limited aggregation models. The coherent anomaly method. Physics Letters, Section A: General, Atomic and Solid State Physics, 1988, 132, 429-431.	0.9	8
188	Application of the coherent anomaly method to percolation. Physics Letters, Section A: General, Atomic and Solid State Physics, 1988, 128, 45-48.	0.9	24
189	Power-law mass distribution of aggregation systems with injection. Physical Review A, 1988, 37, 3110-3117.	1.0	146
190	Fractal Clusters and Stable Distribution. Journal of the Physical Society of Japan, 1988, 57, 2585-2587.	0.7	5
191	Steady Distributions in Aggregation Process of Sticky Particles. Progress of Theoretical Physics, 1987, 78, 1-4.	2.0	9
192	f-Î²Power Spectrum and Stable Distribution. Journal of the Physical Society of Japan, 1987, 56, 1257-1260.	0.7	14
193	PATTERN FORMATION OF DENDRITIC FRACTALS IN FRACTURE AND ELECTRIC BREAKDOWN. , 1986, , 181-184.		16
194	The fractal dimension in computer-simulated random walks. Physics Letters, Section A: General, Atomic and Solid State Physics, 1986, 113, 449-450.	0.9	16
195	Directed Dendritic Fractals. , 1986, , 15-22.		0
196	Statistical Properties of a 3-Wave System. Journal of the Physical Society of Japan, 1985, 54, 1317-1321.	0.7	4
197	Simulation of Electric Breakdown and Resulting Variant of Percolation Fractals. Physical Review Letters, 1985, 54, 1099-1101.	2.9	118
198	A Deterministic Model of Fracture. Progress of Theoretical Physics, 1985, 74, 1343-1345.	2.0	38

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199	Long-Time Tails of One-Dimensional Lorentz Model with Fractal Distribution of Impurities. Physical Review Letters, 1984, 53, 633-636.	2.9	6
200	Physical models of fractal functions. Japan Journal of Industrial and Applied Mathematics, 1984, 1, 201-205.	0.3	7
201	Stable Distribution and Levy Process in Fractal Turbulence. Progress of Theoretical Physics, 1984, 72, 471-479.	2.0	55
202	Nonlinear Dynamics of Low-$\hat{I}^2$ Plasma and Drift-Wave Studies. Physica Scripta, 1982, T2A, 89-95.	1.2	7
203	Differential Fractal Dimension of Random Walk and Its Applications to Physical Systems. Journal of the Physical Society of Japan, 1982, 51, 3057-3064.	0.7	57
204	Financial Brownian Particle in the Layered Order Book Fluid and Fluctuation-Dissipation Relations. SSRN Electronic Journal, 0, , .	0.4	0