Hideki Takayasu

List of Publications by Year in descending order

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HIDERI TAKAVASIL

#	Article	IF	CITATIONS
1	1/f NOISE IN A TRAFFIC MODEL. Fractals, 1993, 01, 860-866.	3.7	256
2	Stable Infinite Variance Fluctuations in Randomly Amplified Langevin Systems. Physical Review Letters, 1997, 79, 966-969.	7.8	253
3	Zipf's law in income distribution of companies. Physica A: Statistical Mechanics and Its Applications, 1999, 269, 125-131.	2.6	218
4	Extinction, survival, and dynamical phase transition of branching annihilating random walk. Physical Review Letters, 1992, 68, 3060-3063.	7.8	210
5	Correlation networks among currencies. Physica A: Statistical Mechanics and Its Applications, 2006, 364, 336-342.	2.6	166
6	Power-law mass distribution of aggregation systems with injection. Physical Review A, 1988, 37, 3110-3117.	2.5	146
7	Steady-state distribution of generalized aggregation system with injection. Physical Review Letters, 1989, 63, 2563-2565.	7.8	128
8	Critical behaviors and $1 \hat{l} $ noise in information traffic. Physica A: Statistical Mechanics and Its Applications, 1996, 233, 824-834.	2.6	123
9	Simulation of Electric Breakdown and Resulting Variant of Percolation Fractals. Physical Review Letters, 1985, 54, 1099-1101.	7.8	118
10	Statistical properties of deterministic threshold elements — the case of market price. Physica A: Statistical Mechanics and Its Applications, 1992, 184, 127-134.	2.6	117
11	PARETO'S LAW FOR INCOME OF INDIVIDUALS AND DEBT OF BANKRUPT COMPANIES. Fractals, 2000, 08, 293-300.	3.7	111
12	Dynamic numerical models of stock market price: from microscopic determinism to macroscopic randomness. Physica A: Statistical Mechanics and Its Applications, 1998, 250, 231-252.	2.6	102
13	Rumor Diffusion and Convergence during the 3.11 Earthquake: A Twitter Case Study. PLoS ONE, 2015, 10, e0121443.	2.5	100
14	Country Dependence on Company Size Distributions and a Numerical Model Based on Competition and Cooperation. Fractals, 1998, 06, 67-79.	3.7	96
15	Dynamic phase transition observed in the Internet traffic flow. Physica A: Statistical Mechanics and Its Applications, 2000, 277, 248-255.	2.6	91
16	New type of self-organized criticality in a model of erosion. Physical Review Letters, 1992, 68, 966-969.	7.8	86
17	Statistical properties of aggregation with injection. Journal of Statistical Physics, 1991, 65, 725-745.	1.2	81
18	Phase transition in a computer network model. Physica A: Statistical Mechanics and Its Applications, 1998, 253, 315-322.	2.6	79

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19	Network motifs in an inter-firm network. Journal of Economic Interaction and Coordination, 2010, 5, 171-180.	0.7	61
20	Saturation transition in a monomer-monomer model of heterogeneous catalysis. Journal of Physics A, 1990, 23, 4297-4312.	1.6	58
21	Differential Fractal Dimension of Random Walk and Its Applications to Physical Systems. Journal of the Physical Society of Japan, 1982, 51, 3057-3064.	1.6	57
22	Stable Distribution and Levy Process in Fractal Turbulence. Progress of Theoretical Physics, 1984, 72, 471-479.	2.0	55
23	Analysis of high-resolution foreign exchange data of USD-JPY for 13 years. Physica A: Statistical Mechanics and Its Applications, 2003, 324, 296-302.	2.6	55
24	Hubs and Authorities in the World Trade Network Using a Weighted HITS Algorithm. PLoS ONE, 2014, 9, e100338.	2.5	54
25	Comment on â€~â€~Noise-induced bistability in a Monte Carlo surface-reaction model''. Physical Review Letters, 1989, 63, 2857-2857.	7.8	53
26	Potential force observed in market dynamics. Physica A: Statistical Mechanics and Its Applications, 2006, 370, 91-97.	2.6	53
27	Dynamical phase transition in threshold elements. Physics Letters, Section A: General, Atomic and Solid State Physics, 1988, 131, 244-247.	2.1	52
28	Financial Brownian Particle in the Layered Order-Book Fluid and Fluctuation-Dissipation Relations. Physical Review Letters, 2014, 112, 098703.	7.8	52
29	Effect of Coagulation of Nodes in an Evolving Complex Network. Physical Review Letters, 2012, 108, 168701.	7.8	51
30	Power Law Velocity Fluctuations Due to Inelastic Collisions in Numerically Simulated Vibrated Bed of Powder. Europhysics Letters, 1995, 30, 499-504.	2.0	49
31	Predictability of currency market exchange. Physica A: Statistical Mechanics and Its Applications, 2002, 308, 368-374.	2.6	47
32	Self-similarity of banking network. Physica A: Statistical Mechanics and Its Applications, 2004, 339, 621-634.	2.6	46
33	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.	0.1	42
34	Empirical analysis of collective human behavior for extraordinary events in the blogosphere. Physical Review E, 2013, 87, 012805.	2.1	42
35	Water erosion as a fractal growth process. Physical Review E, 1993, 47, 899-910.	2.1	41
36	Fractal features of the earthquake phenomenon and a simple mechanical model. Journal of Geophysical Research, 1991, 96, 19925-19931.	3.3	40

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37	Origin of critical behavior in Ethernet traffic. Physica A: Statistical Mechanics and Its Applications, 2000, 287, 289-301.	2.6	40
38	A Deterministic Model of Fracture. Progress of Theoretical Physics, 1985, 74, 1343-1345.	2.0	38
39	Avalanche Behavior and Statistical Properties in a Microcrack Coalescence Process. Physical Review Letters, 1999, 82, 347-350.	7.8	38
40	Aspect Ratio Dependence of Impact Fragmentation. Physical Review Letters, 1997, 78, 3455-3458.	7.8	37
41	A mathematical definition of the financial bubbles and crashes. Physica A: Statistical Mechanics and Its Applications, 2007, 383, 120-124.	2.6	37
42	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.	7.8	35
43	Triangular arbitrage as an interaction among foreign exchange rates. Physica A: Statistical Mechanics and Its Applications, 2002, 310, 467-479.	2.6	33
44	Finite-time singularity signature of hyperinflation. Physica A: Statistical Mechanics and Its Applications, 2003, 325, 492-506.	2.6	33
45	Application of statistical physics to the Internet traffics. Physica A: Statistical Mechanics and Its Applications, 1999, 274, 140-148.	2.6	29
46	Statistical properties of the moving average price in dollar–yen exchange rates. Physica A: Statistical Mechanics and Its Applications, 2004, 344, 207-210.	2.6	29
47	Solvable stochastic dealer models for financial markets. Physical Review E, 2009, 79, 051120.	2.1	29
48	Generalised Central Limit Theorems for Growth Rate Distribution of Complex Systems. Journal of Statistical Physics, 2014, 155, 47-71.	1.2	29
49	SPATIAL AND TEMPORAL BEHAVIOR OF CONGESTION IN INTERNET TRAFFIC. Fractals, 1999, 07, 23-31.	3.7	28
50	Statistical Laws in the Income of Japanese Companies. , 2002, , 321-330.		28
51	Random walker in temporally deforming higher-order potential forces observed in a financial crisis. Physical Review E, 2009, 80, 056110.	2.1	27
52	THE BEHAVIOR OF A THRESHOLD MODEL OF MARKET PRICE IN STOCK EXCHANGE. Fractals, 1993, 01, 29-40.	3.7	25
53	Self-modulation processes and resulting generic 1/f fluctuations. Physica A: Statistical Mechanics and Its Applications, 2003, 324, 101-107.	2.6	25
54	Application of the coherent anomaly method to percolation. Physics Letters, Section A: General, Atomic and Solid State Physics, 1988, 128, 45-48.	2.1	24

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55	Universal fragment size distribution in a numerical model of impact fracture. Physica A: Statistical Mechanics and Its Applications, 1996, 229, 5-25.	2.6	22
56	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.	2.6	22
57	Critical fluctuations of demand and supply. Physica A: Statistical Mechanics and Its Applications, 1999, 269, 24-29.	2.6	21
58	POWER LAW FLUCTUATION GENERATOR BASED ON ANALOG ELECTRICAL CIRCUIT. Fractals, 2000, 08, 219-225.	3.7	21
59	The mechanism of double-exponential growth in hyper-inflation. Physica A: Statistical Mechanics and Its Applications, 2002, 308, 411-419.	2.6	21
60	Triangular arbitrage and negative auto-correlation of foreign exchange rates. Physica A: Statistical Mechanics and Its Applications, 2003, 324, 253-257.	2.6	20
61	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.	1.0	20
62	Analysis of price diffusion in financial markets using PUCK model. Physica A: Statistical Mechanics and Its Applications, 2007, 382, 187-192.	2.6	20
63	Simulations of a monomer-dimer catalysis model on a Sierpinski gasket. Physical Review A, 1991, 44, 8388-8389.	2.5	19
64	Characterization of foreign exchange market using the threshold-dealer-model. Physica A: Statistical Mechanics and Its Applications, 2007, 382, 340-346.	2.6	19
65	Biased diffusion on the Japanese inter-firm trading network: estimation of sales from the network structure. New Journal of Physics, 2012, 14, 043034.	2.9	19
66	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.	2.1	19
67	Reaction limited catalytic reaction in one dimension. Journal of Physics A, 1992, 25, L585-L591.	1.6	18
68	FRACTAL IMAGE ANALYSIS OF NATURAL SCENES AND MEDICAL IMAGES. Fractals, 1996, 04, 463-468.	3.7	18
69	Invariant power law distribution of Langevin systems with colored multiplicative noise. Physical Review E, 2000, 61, 1081-1087.	2.1	18
70	A characteristic time scale in dollar–yen exchange rates. Physica A: Statistical Mechanics and Its Applications, 2001, 291, 574-582.	2.6	17
71	PATTERN FORMATION OF DENDRITIC FRACTALS IN FRACTURE AND ELECTRIC BREAKDOWN. , 1986, , 181-184.		16
72	The fractal dimension in computer-simulated random walks. Physics Letters, Section A: General, Atomic and Solid State Physics, 1986, 113, 449-450.	2.1	16

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73	Left Heart Bypass Using the Oscillated Blood Flow with Totally Implantable Vibrating Flow Pump. Artificial Organs, 1998, 22, 426-429.	1.9	16
74	Extracting the exponential behaviors in the market data. Physica A: Statistical Mechanics and Its Applications, 2007, 382, 336-339.	2.6	16
75	A dynamical structure of high frequency currency exchange market. Physica A: Statistical Mechanics and Its Applications, 2003, 324, 366-371.	2.6	15
76	The mean-field approximation model of company's income growth. Physica A: Statistical Mechanics and Its Applications, 2004, 332, 403-411.	2.6	15
77	Identifying long-term periodic cycles and memories of collective emotion in online social media. PLoS ONE, 2019, 14, e0213843.	2.5	15
78	Estimating risk propagation between interacting firms on inter-firm complex network. PLoS ONE, 2017, 12, e0185712.	2.5	15
79	f-βPower Spectrum and Stable Distribution. Journal of the Physical Society of Japan, 1987, 56, 1257-1260.	1.6	14
80	Dynamics of quote and deal prices in the foreign exchange market. Journal of Economic Interaction and Coordination, 2008, 3, 99-106.	0.7	14
81	Kinetic theory for financial Brownian motion from microscopic dynamics. Physical Review E, 2018, 98, .	2.1	14
82	Apparent independency of an aggregation system with injection. Physical Review A, 1989, 39, 4345-4347.	2.5	13
83	Non-Gaussian distribution in random advection dynamics. Physical Review Letters, 1993, 70, 782-785.	7.8	13
84	NON-GAUSSIAN DISTRIBUTION IN RANDOM TRANSPORT DYNAMICS. International Journal of Modern Physics B, 1994, 08, 3887-3961.	2.0	13
85	Fractal Dimension Analysis of the Oscillated Blood Flow with a Vibrating Flow Pump. Artificial Organs, 1995, 19, 729-733.	1.9	12
86	Theoretical analysis of potential forces in markets. Physica A: Statistical Mechanics and Its Applications, 2007, 383, 115-119.	2.6	12
87	Motif formation and industry specific topologies in the Japanese business firm network. Journal of Statistical Mechanics: Theory and Experiment, 2017, 2017, 053404.	2.3	12
88	Transaction Interval Analysis of High Resolution Foreign Exchange Data. , 2002, , 18-25.		12
89	Traders' strategy with price feedbacks in financial market. Physica A: Statistical Mechanics and Its Applications, 2004, 344, 330-334.	2.6	11
90	Appearance of Unstable Monopoly State Caused by Selective and Concentrative Mergers in Business Networks. Scientific Reports, 2017, 7, 5064.	3.3	11

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91	Zipf's Law and Heaps' Law Can Predict the Size of Potential Words. Progress of Theoretical Physics Supplement, 2012, 194, 202-209.	0.1	10
92	Empirical Analysis of Firm-Dynamics on Japanese Interfirm Trade Network. Springer Proceedings in Complexity, 2015, , 195-204.	0.3	10
93	Precise Calculation of a Bond Percolation Transition and Survival Rates of Nodes in a Complex Network. PLoS ONE, 2015, 10, e0119979.	2.5	10
94	Steady Distributions in Aggregation Process of Sticky Particles. Progress of Theoretical Physics, 1987, 78, 1-4.	2.0	9
95	Random walk or a run. Market microstructure analysis of foreign exchange rate movements based on conditional probability. Quantitative Finance, 2012, 12, 893-905.	1.7	9
96	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.	2.1	8
97	The origin of asymmetric behavior of money flow in the business firm network. European Physical Journal: Special Topics, 2012, 212, 65-75.	2.6	8
98	Ecosystems perspective on financial networks: Diagnostic tools. Complexity, 2013, 19, 22-36.	1.6	8
99	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.	1.2	8
100	Diffusion-localization transition caused by nonlinear transport on complex networks. Scientific Reports, 2018, 8, 5517.	3.3	8
101	Ecology of trading strategies in a forex market for limit and market orders. PLoS ONE, 2018, 13, e0208332.	2.5	8
102	Nonlinear Dynamics of Low-β Plasma and Drift-Wave Studies. Physica Scripta, 1982, T2A, 89-95.	2.5	7
103	Physical models of fractal functions. Japan Journal of Industrial and Applied Mathematics, 1984, 1, 201-205.	0.4	7
104	A new mesoscopic scale model for simulating fluid turbulence: the lattice vortex tube model. Physica D: Nonlinear Phenomena, 1993, 69, 366-379.	2.8	7
105	Continuum Limit and Renormalization of Market Price Dynamics Based on PUCK Model. Progress of Theoretical Physics Supplement, 2009, 179, 1-7.	0.1	7
106	Collective purchase behavior toward retail price changes. Physica A: Statistical Mechanics and Its Applications, 2011, 390, 499-504.	2.6	7
107	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.	2.1	7
108	Universal scaling laws of collective human flow patterns in urban regions. Scientific Reports, 2020, 10, 21405.	3.3	7

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109	Market Fluctuations II: Multiplicative and Percolation Models, Size Effects, and Predictions. , 2002, , 410-435.		7
110	Long-Time Tails of One-Dimensional Lorentz Model with Fractal Distribution of Impurities. Physical Review Letters, 1984, 53, 633-636.	7.8	6
111	Stability and relaxation of power-law distribution. Physical Review A, 1990, 42, 7087-7090.	2.5	6
112	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.	2.1	6
113	The grounds for time dependent market potentials from dealers' dynamics. European Physical Journal B, 2008, 63, 529-532.	1.5	6
114	Estimation of Economic Indicator Announced by Government From Social Big Data. Entropy, 2018, 20, 852.	2.2	6
115	Assembling real networks from synthetic and unstructured subsets: the corporate reporting case. Scientific Reports, 2019, 9, 11075.	3.3	6
116	Classification of position management strategies at the order-book level and their influences on future market-price formation. PLoS ONE, 2019, 14, e0220645.	2.5	6
117	Detection of statistical asymmetries in non-stationary sign time series: Analysis of foreign exchange data. PLoS ONE, 2017, 12, e0177652.	2.5	6
118	A 3-dimensional mathematical model of microbial proliferation that generates the characteristic cumulative relative abundance distributions in gut microbiomes. PLoS ONE, 2017, 12, e0180863.	2.5	6
119	Universal scaling of human flow remain unchanged during the COVID-19 pandemic. Applied Network Science, 2021, 6, 75.	1.5	6
120	Fractals and Economics. , 2009, , 444-463.		6
121	Fractal Clusters and Stable Distribution. Journal of the Physical Society of Japan, 1988, 57, 2585-2587.	1.6	5
122	Lorentzian distribution of interacting vortex tubes. Physical Review A, 1990, 41, 2249-2251.	2.5	5
123	Extracting 1/f Fluctuation from the Arterial Blood Pressure of an Artificial Heart. Artificial Organs, 1996, 20, 777-782.	1.9	5
124	Long-term memory effects in closed random aggregating systems. Europhysics Letters, 1996, 33, 99-104.	2.0	5
125	Nonlinear Mathematical Analysis of the Hemodynamic Parameters During Left Ventricular Assistance with Oscillated Blood Flow. Artificial Organs, 1997, 21, 625-629.	1.9	5
126	SPATIO-TEMPORAL SEISMICITY IN AN ELASTIC BLOCK LATTICE MODEL. Fractals, 1999, 07, 301-311.	3.7	5

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127	A cause of self-similarity in TCP traffic. International Journal of Communication Systems, 2005, 18, 603-617.	2.5	5
128	Property of Fluctuations of Sales Quantities by Product Category in Convenience Stores. PLoS ONE, 2016, 11, e0157653.	2.5	5
129	Statistical Properties of a 3-Wave System. Journal of the Physical Society of Japan, 1985, 54, 1317-1321.	1.6	4
130	Universality class for extinction-survival phase transition in one dimension. Physical Review E, 1994, 49, 1070-1072.	2.1	4
131	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.	0.1	4
132	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
133	Modeling and simulation of Japanese inter-firm network. Artificial Life and Robotics, 2019, 24, 257-261.	1.2	4
134	A parity conserving model with spontaneous annihilation. Journal of Physics A, 1995, 28, 1145-1147.	1.6	3
135	Fractal dimension analysis of the muscle sympathetic nerve activity. Pathophysiology, 1995, 2, 173-176.	2.2	3
136	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
137	The role of random dendrites and inhibitory pathways in retinal neuron networks. Physica A: Statistical Mechanics and Its Applications, 2005, 357, 513-524.	2.6	3
138	On the nonstationarity of the exchange rate process. International Review of Financial Analysis, 2012, 23, 30-34.	6.6	3
139	Basic methods of change-point detection of financial fluctuations. , 2015, , .		3
140	Power-Law Distributions from Sigma-Pi Structure of Sums of Random Multiplicative Processes. Entropy, 2017, 19, 417.	2.2	3
141	Smoluchowski Equation for Networks: Merger Induced Intermittent Giant Node Formation and Degree Gap. Journal of Statistical Physics, 2018, 172, 1086-1100.	1.2	3
142	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.	2.9	3
143	Robust Characterization of Multidimensional Scaling Relations between Size Measures for Business Firms. Entropy, 2021, 23, 168.	2.2	3
144	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.	0.4	3

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145	Allometric Scaling of Mutual Information in Complex Networks: A Conceptual Framework and Empirical Approach. Entropy, 2020, 22, 206.	2.2	3
146	Derivation of ARCH(1) process from market price changes based on deterministic microscopic multi-agent. , 2002, , 171-178.		3
147	Aggregation with power-law and fractal input. Physica A: Statistical Mechanics and Its Applications, 1992, 189, 4-14.	2.6	2
148	POWER-LAW DISTRIBUTION OF RIVER BASIN SIZES. Fractals, 1993, 01, 521-528.	3.7	2
149	WATER EROSION ON FRACTAL SURFACE. Fractals, 1996, 04, 385-392.	3.7	2
150	FRACTAL LIMIT DISTRIBUTIONS IN RANDOM TRANSPORTS. Fractals, 1996, 04, 257-264.	3.7	2
151	Spectral Analysis of Multichannel Meg Data. Fractals, 1998, 06, 395-400.	3.7	2
152	Triangular Arbitrage in the Foreign Exchange Market. , 2004, , 18-23.		2
153	Temporal characteristics of moving average of foreign exchange markets. , 2006, , 29-32.		2
154	Dependence of the number of dealers in a stochastic dealer model. Journal of Physics: Conference Series, 2010, 221, 012015.	0.4	2
155	Extraction of conjugate main-stream structures from a complex network flow. Physical Review E, 2015, 91, 042815.	2.1	2
156	Tracking Poisson Parameter for Non-Stationary Discontinuous Time Series with Taylor's Abnormal Fluctuation Scaling. Stats, 2019, 2, 55-69.	0.9	2
157	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.	2.5	2
158	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.	2.5	2
159	Sigma-Pi Structure with Bernoulli Random Variables: Power-Law Bounds for Probability Distributions and Growth Models with Interdependent Entities. Entropy, 2021, 23, 241.	2.2	2
160	Execution and Cancellation Lifetimes in Foreign Currency Market. Springer Proceedings in Complexity, 2015, , 27-37.	0.3	2
161	Deterministic and stochastic influences on Japan and US stock and foreign exchange markets. A Fokker-Planck approach. , 2004, , 161-168.		2

162 Investment strategy based on a company growth model. , 2004, , 256-261.

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163	Construction of the Spread Dealer Model and its Application. Transactions of the Japanese Society for Artificial Intelligence, 2012, 27, 365-375.	0.1	2
164	Diffusion-Localization Transition Point of Gravity Type Transport Model on Regular Ring Lattices and Bethe Lattices. Journal of Statistical Physics, 2022, 186, 1.	1.2	2
165	UNIVERSALITY OF 1-DIMENSIONAL REACTION MODELS. Fractals, 1993, 01, 480-490.	3.7	1
166	FRACTAL ANALYSES FOR A MODEL OF IMPACT FRAGMENTATION. Fractals, 1996, 04, 393-399.	3.7	1
167	Application of statistical physics to impact fragmentation. Physica A: Statistical Mechanics and Its Applications, 1999, 274, 300-309.	2.6	1
168	ASYMMETRIC INHIBITORY CONNECTIONS ENHANCE DIRECTIONAL SELECTIVITY IN A THREE-LAYER SIMULATION MODEL OF RETINAL NETWORKS. Journal of Integrative Neuroscience, 2010, 09, 337-350.	1.7	1
169	Random coefficient autoregressive processes and the PUCK model with fluctuating potential. Journal of Statistical Mechanics: Theory and Experiment, 2019, 2019, 013403.	2.3	1
170	Estimation of sales decrease caused by a disaster: Hokkaido blackout after earthquake in 2018. Journal of Computational Social Science, 2019, 2, 47-51.	2.4	1
171	Simulation of Gross Domestic Product in International Trade Networks: Linear Gravity Transportation Model. Springer Proceedings in Complexity, 2015, , 111-118.	0.3	1
172	Parameter Estimation of a Generalized Langevin Equation of Market Price. , 2002, , 260-270.		1
173	Market price simulator based on analog electrical circuit. , 2002, , 214-221.		1
174	Influence Networks in the Foreign Exchange Market. Springer Proceedings in Complexity, 2015, , 3-13.	0.3	1
175	Classification of endogenous and exogenous bursts in collective emotions based on Weibo comments during COVID-19. Scientific Reports, 2022, 12, 3120.	3.3	1
176	At the edge of a percolation system: Half space percolation. Solid State Communications, 1992, 82, 513-516.	1.9	0
177	Intermittency and Scaling in Cascading Random Transport. Fractals, 1998, 06, 121-126.	3.7	0
178	Error propagation in a model of impact fracture. Physical Review E, 1998, 58, 5179-5182.	2.1	0
179	Analysis of spontaneous magnetoencephalography data by similarity measures. Physica A: Statistical Mechanics and Its Applications, 1999, 270, 543-551.	2.6	0
180	Modeling a foreign exchange rate using moving average of Yen-Dollar market data. , 2006, , 57-61.		0

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#	Article	IF	CITATIONS
181	MINORITY AND MAJORITY GAMES IN FINANCIAL MARKETS. Fractals, 2007, 15, 97-100.	3.7	Ο
182	Estimation of Parameters from Discrete Random Nonstationary Time Series. Progress of Theoretical Physics Supplement, 2009, 179, 198-208.	0.1	0
183	Preface to the special issue. Journal of Economic Interaction and Coordination, 2010, 5, 169-170.	0.7	о
184	The limit distributions of growth rate fluctuation of complex systems: An application to business firms. , 2011, , .		0
185	Fluctuation scaling in online social media. , 2015, , .		Ο
186	A Dealer Model of Foreign Exchange Market with Finite Assets. , 2017, , .		0
187	Measuring Statistical Asymmetries of Stochastic Processes: Study of the Autoregressive Process. Entropy, 2018, 20, 511.	2.2	0
188	Dynamics of essential interaction between firms on financial reports. PLoS ONE, 2019, 14, e0225853.	2.5	0
189	Metabolic Dynamics of Ecosystems Realizing Steady Log-Uniform Distributions: The Case of Commodities in Shops. Entropy, 2020, 22, 267.	2.2	Ο
190	Econophysics: Empirical Laws, Theory, and Application. , 2001, , 191-200.		0
191	Spatial Asymmetry and Temporal Delay of Inhibitory Amacrine Cells Produce Directional Selectivity in Retina. , 2003, , 118-119.		0
192	Fractals and Economics. , 2012, , 512-531.		0
193	Financial Brownian Particle in the Layered Order Book Fluid and Fluctuation-Dissipation Relations. SSRN Electronic Journal, 0, , .	0.4	0
194	Directed Dendritic Fractals. , 1986, , 15-22.		0
195	A Percolation-like Phase Transition in Oxygen-limited Combustion Interdisciplinary Information Sciences, 1995, 1, 151-156.	0.4	0
196	Fractal distributions $\hat{a} \in \hat{~}$ from the real world to the information world. , 1997, , 91-98.		0
197	Analysis of Individual High-Frequency Traders' Buy–Sell Order Strategy Based on Multivariate Hawkes Process. Entropy, 2022, 24, 214.	2.2	0
198	Title is missing!. , 2020, 15, e0239494.		0

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199	Title is missing!. , 2020, 15, e0239494.		0
200	Title is missing!. , 2020, 15, e0239494.		0
201	Title is missing!. , 2020, 15, e0239494.		0
202	Title is missing!. , 2020, 15, e0239494.		0
203	Title is missing!. , 2020, 15, e0239494.		0
204	Potential fields and fluctuation-dissipation relations derived from human flow in urban areas modeled by a network of electric circuits. Scientific Reports, 2022, 12, .	3.3	0