

Kan Chen

List of Publications by Year in descending order

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42
papers

2,428
citations

471509

17
h-index

302126

39
g-index

44
all docs

44
docs citations

44
times ranked

1397
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-Organized Criticality. Scientific American, 1991, 264, 46-53.	1.0	560
2	A forest-fire model and some thoughts on turbulence. Physics Letters, Section A: General, Atomic and Solid State Physics, 1990, 147, 297-300.	2.1	388
3	Self-organized criticality in the 'Game of Life". Nature, 1989, 342, 780-782.	27.8	325
4	Aggregate fluctuations from independent sectoral shocks: self-organized criticality in a model of production and inventory dynamics. Ricerche Economiche, 1993, 47, 3-30.	0.2	259
5	Self-organized criticality in a crack-propagation model of earthquakes. Physical Review A, 1991, 43, 625-630.	2.5	250
6	The physics of fractals. Physica D: Nonlinear Phenomena, 1989, 38, 5-12.	2.8	119
7	A deterministic critical forest fire model. Physics Letters, Section A: General, Atomic and Solid State Physics, 1990, 149, 207-210.	2.1	59
8	The Kondo effect in pseudo-gap Fermi systems: a renormalization group study. Journal of Physics Condensed Matter, 1995, 7, L491-L498.	1.8	55
9	Microemulsions in oil-water-surfactant mixtures: Systematics of a lattice-gas model. Physical Review A, 1988, 38, 6240-6254.	2.5	39
10	Microemulsions: A Landau-Ginzburg theory. Physical Review Letters, 1990, 65, 2736-2739.	7.8	37
11	MODELLING COLLABORATION NETWORKS BASED ON NONLINEAR PREFERENTIAL ATTACHMENT. International Journal of Modern Physics C, 2007, 18, 297-314.	1.7	35
12	Kondo effect in Fermi systems with a gap: A renormalization-group study. Physical Review B, 1998, 57, 5225-5234.	3.2	34
13	Micro-emulsions in oil-water-surfactant mixtures: an Ising lattice gas model. Journal of Physics C: Solid State Physics, 1987, 20, L361-L366.	1.5	28
14	Is the universe operating at a self-organized critical state?. Physics Letters, Section A: General, Atomic and Solid State Physics, 1989, 140, 299-302.	2.1	26
15	X-ray-edge singularities with nonconstant density of states: A renormalization-group approach. Physical Review B, 1995, 52, 14436-14440.	3.2	23
16	Spatially dependent zero-frequency response functions and correlation functions in the Kondo model. Physical Review B, 1992, 45, 5368-5386.	3.2	17
17	Dynamics of dry friction: A numerical investigation. Physical Review E, 1998, 58, 5637-5642.	2.1	17
18	Spatial correlations around a Kondo impurity. Physical Review Letters, 1987, 58, 929-932.	7.8	16

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19	Scale Dependent Dimension of Luminous Matter in the Universe. <i>Physical Review Letters</i> , 2001, 86, 4215-4218.	7.8	16
20	The Emergence of Racial Segregation in an Agent-Based Model of Residential Location: The Role of Competing Preferences. <i>Computational and Mathematical Organization Theory</i> , 2005, 11, 333-338.	2.0	15
21	Scale-dependent dimension in the forest fire model. <i>Physical Review E</i> , 2000, 62, 1613-1616.	2.1	13
22	The Interaction of Segregation and Suburbanization in an Agent-Based Model of Residential Location. <i>Environment and Planning B: Planning and Design</i> , 2009, 36, 989-1007.	1.7	12
23	Simple learning algorithm for the traveling salesman problem. <i>Physical Review E</i> , 1997, 55, 7809-7812.	2.1	11
24	Scale-invariant behavior in a spatial game of prisonersâ€™ dilemma. <i>Physical Review E</i> , 2002, 65, 026134.	2.1	10
25	Adiabatic theory for the population distribution in the evolutionary minority game. <i>Physical Review E</i> , 2004, 69, 025102.	2.1	9
26	Solitons in the One-Dimensional Forest Fire Model. <i>Physical Review Letters</i> , 2001, 86, 2475-2477.	7.8	8
27	Evolutionary dynamics and the phase structure of the minority game. <i>Physical Review E</i> , 2004, 69, 067106.	2.1	7
28	Forest fires and the structure of the universe. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2002, 306, 15-24.	2.6	6
29	Impact of investorâ€™s varying risk aversion on the dynamics of asset price fluctuations. <i>Journal of Economic Interaction and Coordination</i> , 2006, 1, 189-214.	0.7	6
30	Greenâ€™s function method for random fuse network problems. <i>Physical Review E</i> , 1994, 49, 5001-5006.	2.1	4
31	Towards an evolutionary algorithm: a comparison of two feature selection algorithms. , 0, , .		4
32	Log-Poisson statistics and extended self-similarity in driven dissipative systems. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2004, 340, 566-573.	2.6	3
33	A plaquet representation of ruptures and models for earthquakes. <i>Journal De Physique, I</i> , 1993, 3, 2029-2040.	1.2	3
34	Numerical study of the critical properties of an irreversible cellular automaton. <i>Physical Review A</i> , 1987, 36, 2999-3002.	2.5	2
35	Earthquakes in quasistatic models of fractures in elastic media: formalism and numerical techniques. <i>Journal of Physics A</i> , 1997, 30, 2297-2315.	1.6	2
36	Learning Algorithm for the Uniform Graph Partitioning Problem. <i>International Journal of Modern Physics C</i> , 1998, 09, 331-339.	1.7	2

#	ARTICLE	IF	CITATIONS
37	Statistical analysis of strait time index and a simple model for trend and trend reversal. Physica A: Statistical Mechanics and Its Applications, 2003, 324, 258-265.	2.6	2
38	Emergence of complex dissipative structures in the Bakâ€“Chenâ€“Tang forest fire model. Physica A: Statistical Mechanics and Its Applications, 2003, 321, 256-261.	2.6	2
39	Conditional Probability as a Measure of Volatility Clustering in Financial Time Series. SSRN Electronic Journal, 0, , .	0.4	2
40	Earthquakes in a model of seismic zone with embedded pre-existing faults. Geophysical Research Letters, 1995, 22, 1301-1304.	4.0	1
41	Extended Self-Similarity in the Forest-Fire Model. International Journal of Modern Physics B, 2003, 17, 3947-3949.	2.0	1
42	Spatially dependent correlation functions in the Anderson model (abstract). Journal of Applied Physics, 1988, 63, 3903-3903.	2.5	0