

# Kan Chen

## List of Publications by Year in descending order

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42  
papers

2,428  
citations

471509

17  
h-index

302126

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g-index

44  
all docs

44  
docs citations

44  
times ranked

1397  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	MODELLING COLLABORATION NETWORKS BASED ON NONLINEAR PREFERENTIAL ATTACHMENT. <i>International Journal of Modern Physics C</i> , 2007, 18, 297-314.	1.7	35
3	Impact of investor'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
4	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
5	Adiabatic theory for the population distribution in the evolutionary minority game. <i>Physical Review E</i> , 2004, 69, 025102.	2.1	9
6	Evolutionary dynamics and the phase structure of the minority game. <i>Physical Review E</i> , 2004, 69, 067106.	2.1	7
7	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
8	Statistical analysis of strait time index and a simple model for trend and trend reversal. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2003, 324, 258-265.	2.6	2
9	Emergence of complex dissipative structures in the Bak-Chen-Tang forest fire model. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2003, 321, 256-261.	2.6	2
10	Extended Self-Similarity in the Forest-Fire Model. <i>International Journal of Modern Physics B</i> , 2003, 17, 3947-3949.	2.0	1
11	Scale-invariant behavior in a spatial game of prisoners' dilemma. <i>Physical Review E</i> , 2002, 65, 026134.	2.1	10
12	Forest fires and the structure of the universe. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2002, 306, 15-24.	2.6	6
13	Solitons in the One-Dimensional Forest Fire Model. <i>Physical Review Letters</i> , 2001, 86, 2475-2477.	7.8	8
14	Scale Dependent Dimension of Luminous Matter in the Universe. <i>Physical Review Letters</i> , 2001, 86, 4215-4218.	7.8	16
15	Scale-dependent dimension in the forest fire model. <i>Physical Review E</i> , 2000, 62, 1613-1616.	2.1	13
16	Dynamics of dry friction: A numerical investigation. <i>Physical Review E</i> , 1998, 58, 5637-5642.	2.1	17
17	Kondo effect in Fermi systems with a gap: A renormalization-group study. <i>Physical Review B</i> , 1998, 57, 5225-5234.	3.2	34
18	Learning Algorithm for the Uniform Graph Partitioning Problem. <i>International Journal of Modern Physics C</i> , 1998, 09, 331-339.	1.7	2

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19	Earthquakes in quasistatic models of fractures in elastic media: formalism and numerical techniques. Journal of Physics A, 1997, 30, 2297-2315.	1.6	2
20	Simple learning algorithm for the traveling salesman problem. Physical Review E, 1997, 55, 7809-7812.	2.1	11
21	X-ray-edge singularities with nonconstant density of states: A renormalization-group approach. Physical Review B, 1995, 52, 14436-14440.	3.2	23
22	The Kondo effect in pseudo-gap Fermi systems: a renormalization group study. Journal of Physics Condensed Matter, 1995, 7, L491-L498.	1.8	55
23	Earthquakes in a model of seismic zone with embedded pre-existing faults. Geophysical Research Letters, 1995, 22, 1301-1304.	4.0	1
24	Green's function method for random fuse network problems. Physical Review E, 1994, 49, 5001-5006.	2.1	4
25	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
26	A plaquet representation of ruptures and models for earthquakes. Journal De Physique, I, 1993, 3, 2029-2040.	1.2	3
27	Spatially dependent zero-frequency response functions and correlation functions in the Kondo model. Physical Review B, 1992, 45, 5368-5386.	3.2	17
28	Self-organized criticality in a crack-propagation model of earthquakes. Physical Review A, 1991, 43, 625-630.	2.5	250
29	Self-Organized Criticality. Scientific American, 1991, 264, 46-53.	1.0	560
30	A deterministic critical forest fire model. Physics Letters, Section A: General, Atomic and Solid State Physics, 1990, 149, 207-210.	2.1	59
31	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
32	Microemulsions: A Landau-Ginzburg theory. Physical Review Letters, 1990, 65, 2736-2739.	7.8	37
33	The physics of fractals. Physica D: Nonlinear Phenomena, 1989, 38, 5-12.	2.8	119
34	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
35	Self-organized criticality in the 'Game of Life". Nature, 1989, 342, 780-782.	27.8	325
36	Microemulsions in oil-water-surfactant mixtures: Systematics of a lattice-gas model. Physical Review A, 1988, 38, 6240-6254.	2.5	39

#	ARTICLE	IF	CITATIONS
37	Spatially dependent correlation functions in the Anderson model (abstract). Journal of Applied Physics, 1988, 63, 3903-3903.	2.5	0
38	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
39	Numerical study of the critical properties of an irreversible cellular automaton. Physical Review A, 1987, 36, 2999-3002.	2.5	2
40	Spatial correlations around a Kondo impurity. Physical Review Letters, 1987, 58, 929-932.	7.8	16
41	Towards an evolutionary algorithm: a comparison of two feature selection algorithms. , 0, , .		4
42	Conditional Probability as a Measure of Volatility Clustering in Financial Time Series. SSRN Electronic Journal, 0, , .	0.4	2