Pak Ming Hui

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4886011/publications.pdf

Version: 2024-02-01

230	6,161	76326	106344
papers	citations	40 h-index	65 g-index

233	233	233	2492
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Enhanced cooperation in multiplayer snowdrift games with random and dynamic groupings. Physical Review E, 2022, 105, .	2.1	4
2	Non-Markovian recovery makes complex networks more resilient against large-scale failures. Nature Communications, 2020, 11, 2490.	12.8	17
3	Uncovering complex overlapping pattern of communities in large-scale social networks. Applied Network Science, 2019, 4, .	1.5	4
4	Getting closer to the goal by being less capable. Science Advances, 2019, 5, eaau5902.	10.3	3
5	An effective intervention algorithm for promoting cooperation in the prisonerâ€™s dilemma game with multiple stable states. Physica A: Statistical Mechanics and Its Applications, 2018, 501, 400-407.	2.6	2
6	Efficient detection of communities with significant overlaps in networks: Partial community merger algorithm. Network Science, 2018, 6, 71-96.	1.0	1
7	Controlling epidemic outbreak based on local dynamic infectiousness on complex networks. Chaos, 2018, 28, 123105.	2.5	9
8	Decentralized Competition Produces Nonlinear Dynamics Akin to Klinotaxis. Complexity, 2018, 2018, 1-8.	1.6	1
9	Anisotropic strategies and the evolution of cooperation in social dilemmas on networks. Physica A: Statistical Mechanics and Its Applications, 2018, 512, 882-889.	2.6	1
10	Three-strategy <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si49.gif" display="inline" overflow="scroll"><mml:mi>N</mml:mi></mml:math>-person snowdrift game incorporating loners. Physica A: Statistical Mechanics and Its Applications, 2017, 468, 454-461.	2.6	6
11	Shot noise and Fano factor in tunneling in three-band pseudospin-1 Diracâ€“Weyl systems. Physics Letters, Section A: General, Atomic and Solid State Physics, 2017, 381, 1971-1975.	2.1	7
12	Areas and sizes of cascades in dissipative one-dimensional sandpile model. Physics Letters, Section A: General, Atomic and Solid State Physics, 2017, 381, 2287-2292.	2.1	1
13	Impact of delayed information in sub-second complex systems. Results in Physics, 2017, 7, 3024-3030.	4.1	1
14	Accurate ranking of influential spreaders in networks based on dynamically asymmetric link weights. Physical Review E, 2017, 96, 022323.	2.1	30
15	Adaptive cyclically dominating game on co-evolving networks: numerical and analytic results. European Physical Journal B, 2017, 90, 1.	1.5	3
16	Co-evolving prisonerâ€™s dilemma: Performance indicators and analytic approaches. Physica A: Statistical Mechanics and Its Applications, 2017, 468, 183-194.	2.6	6
17	Subsecond Tsunamis and Delays in Decentralized Electronic Systems. Electronics (Switzerland), 2017, 6, 80.	3.1	1
18	Anomalous contagion and renormalization in networks with nodal mobility. Europhysics Letters, 2016, 115, 18001.	2.0	4

#	Article	IF	Citations
19	Cooperative behavior and phase transitions in co-evolving stag hunt game. Physica A: Statistical Mechanics and Its Applications, 2016, 443, 161-169.	2.6	19
20	Atypical viral dynamics from transport through popular places. Physical Review E, 2016, 94, 022304.	2.1	9
21	Understanding cooperative behavior in structurally disordered populations. European Physical Journal B, 2016, 89, 1.	1.5	5
22	Competition and time-dependent behavior in spatial iterated prisonerâ€™s dilemma incorporating adaptive zero-determinant strategies. International Journal of Modern Physics C, 2016, 27, 1650039.	1.7	1
23	Suppressed epidemics in multirelational networks. Physical Review E, 2015, 92, 022812.	2.1	13
24	Internal character dictates transition dynamics between isolation and cohesive grouping. Physical Review E, 2015, 92, 062803.	2.1	4
25	Integrated travel network model for studying epidemics: Interplay between journeys and epidemic. Scientific Reports, 2015, 5, 11401.	3.3	26
26	How events determine spreading patterns: information transmission via internal and external influences on social networks. New Journal of Physics, 2015, 17, 113045.	2.9	90
27	Cooperative behavior in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si30.gif" display="inline" overflow="scroll"><mml:mi>N</mml:mi></mml:math>-person evolutionary snowdrift games with punishment. Physica A: Statistical Mechanics and Its Applications, 2015, 424, 322-329.	2.6	17
28	Evolutionary behavior of generalized zero-determinant strategies in iterated prisonerâ€™s dilemma. Physica A: Statistical Mechanics and Its Applications, 2015, 430, 81-92.	2.6	26
29	Partially satisfied to fully satisfied transitions in co-evolving inverse voter model and possible scaling behavior. Physics Letters, Section A: General, Atomic and Solid State Physics, 2015, 379, 3029-3034.	2.1	5
30	Scaling behavior can be tricky: Comment on â€œUniversal scaling for the dilemma strength in evolutionary gamesâ€•by Z. Wang et al.. Physics of Life Reviews, 2015, 14, 39-40.	2.8	1
31	Exact surface plasmon dispersion relation with ponderomotive nonlinearity in a metal/dielectric structure. Optics Communications, 2014, 316, 174-178.	2.1	0
32	Phase transitions in a coevolving snowdrift game with costly rewiring. Physical Review E, 2014, 90, 052819.	2.1	24
33	Crowd-Anticrowd Theory of Dynamical Behavior in Competitive, Multi-Agent Autonomous Systems and Networks. Journal of Computational Intelligence and Electronic Systems, 2014, 3, 256-277.	0.1	4
34	Modeling Insurgent Dynamics Including Heterogeneity. Journal of Statistical Physics, 2013, 151, 395-413.	1.2	12
35	An agent-based model of stock markets incorporating momentum investors. Physica A: Statistical Mechanics and Its Applications, 2013, 392, 2728-2735.	2.6	19
36	Correlations and analytical approaches to co-evolving voter models. New Journal of Physics, 2013, 15, 113024.	2.9	14

#	Article	IF	Citations
37	Risks of an epidemic in a two-layered railway-local area traveling network. European Physical Journal B, 2013, 86, 13.	1.5	26
38	Surface plasmon dispersion relation of a metallic wire in a nonlinear dielectric medium. Optics Communications, 2013, 304, 111-115.	2.1	5
39	Evolutionary snowdrift game incorporating costly punishment in structured populations. Physica A: Statistical Mechanics and Its Applications, 2013, 392, 168-176.	2.6	15
40	Spatial structure enhanced cooperation in dissatisfied adaptive snowdrift game. European Physical Journal B, 2013, 86, 1.	1.5	12
41	Epidemic spreading on multi-relational networks. Wuli Xuebao/Acta Physica Sinica, 2013, 62, 168903.	0.5	21
42	An Efficient Immunization Strategy for Community Networks. PLoS ONE, 2013, 8, e83489.	2.5	55
43	Cooperative behavior in evolutionary snowdrift games with the unconditional imitation rule on regular lattices. Physical Review E, 2012, 85, 021111.	2.1	30
44	Instability in Evolutionary Games. PLoS ONE, 2012, 7, e49663.	2.5	5
45	Emergence of Scale-Free Close-Knit Friendship Structure in Online Social Networks. PLoS ONE, 2012, 7, e50702.	2.5	15
46	Analytic approach to co-evolving dynamics in complex networks: dissatisfied adaptive snowdrift game. New Journal of Physics, 2011, 13, 083015.	2.9	22
47	Analyzing phase diagrams and phase transitions in networked competing populations. European Physical Journal B, 2011, 80, 233-241.	1.5	7
48	Separatrices between healthy and endemic states in an adaptive epidemic model. Physica A: Statistical Mechanics and Its Applications, 2011, 390, 906-913.	2.6	13
49	Costly punishment and cooperation in the evolutionary snowdrift game. Physica A: Statistical Mechanics and Its Applications, 2011, 390, 1607-1614.	2.6	16
50	Effects of dynamical grouping on cooperation in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>N</mml:mi></mml:math>-person evolutionary snowdrift game. Physical Review E, 2011, 84, 036113.	2.1	15
51	Enhanced cooperation and harmonious population in an evolutionary <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si27.gif" display="inline" overflow="scroll"><mml:mi>N</mml:mi></mml:math>-person snowdrift game. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 1071-1076.	2.6	16
52	Competitive carbon emission yields the possibility of global self-control. Journal of Computational Science, 2010, 1, 63-74.	2.9	0
53	Self-organized global control of carbon emissions. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 3546-3551.	2.6	2
54	Effect of social group dynamics on contagion. Physical Review E, 2010, 81, 056107.	2.1	33

#	Article	IF	Citations
55	Second harmonic generation in random nonlinear dielectrics: Effective medium approximations and dilute limit expressions. Journal of Applied Physics, 2009, 105, 023102.	2.5	0
56	Self-adjusting routing schemes for time-varying traffic in scale-free networks. Physical Review E, 2009, 80, 026114.	2.1	83
57	Human group formation in online guilds and offline gangs driven by a common team dynamic. Physical Review E, 2009, 79, 066117.	2.1	69
58	Controlling enhanced transmission through semiconductor gratings with subwavelength slits by a magnetic field: Numerical and analytical results. Applied Physics Letters, 2009, 95, 011115.	3.3	10
59	An alternative approach to characterize the topology of complex networks and its application in epidemic spreading. Frontiers of Computer Science, 2009, 3, 324-334.	0.6	7
60	Self-organized cooperative behavior and critical penalty in an evolving population. Physica A: Statistical Mechanics and Its Applications, 2009, 388, 4445-4452.	2.6	5
61	Cooperative behavior in evolutionary snowdrift game with bounded rationality. Physica A: Statistical Mechanics and Its Applications, 2009, 388, 4856-4862.	2.6	13
62	Exact surface plasmon dispersion relations in a linear-metal-nonlinear dielectric structure of arbitrary nonlinearity. Applied Physics Letters, 2009, 94, 221102.	3.3	30
63	Disconnected-connected network transitions and phase separation driven by co-evolving dynamics. Europhysics Letters, 2009, 87, 38003.	2.0	36
64	Adaptive Routing Approaches of Controlling Traffic Congestion in Internet. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2009, , 1472-1484.	0.3	0
65	Strong Dependence of Infection Profiles on Grouping Dynamics during Epidemiological Spreading. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2009, , 960-970.	0.3	0
66	Cooperation in N-person evolutionary snowdrift game in scale-free BarabÃ¡siâ€“Albert networks. Physica A: Statistical Mechanics and Its Applications, 2008, 387, 5602-5608.	2.6	31
67	Magnetization switching in a single-domain biaxial magnetic disk. Solid State Communications, 2008, 146, 265-268.	1.9	1
68	Evolution of cooperation in well-mixed N-person snowdrift games. Physica A: Statistical Mechanics and Its Applications, 2008, 387, 2919-2925.	2.6	25
69	High-performance distribution of limited resources via a dynamical reallocation scheme. Physica A: Statistical Mechanics and Its Applications, 2008, 387, 6657-6662.	2.6	14
70	Dynamics of opinion formation in hierarchical social networks: Network structure and initial bias. European Physical Journal B, 2008, 61, 371-376.	1.5	9
71	Effects of a coating of spherically anisotropic material in core-shell particles. Applied Physics Letters, 2008, 92, 181901.	3.3	20
72	Phase transition and hysteresis loop in structured games with global updating. Physical Review E, 2008, 77, 046109.	2.1	60

#	Article	IF	Citations
73	Spies in the minority game. Physical Review E, 2008, 77, 011106.	2.1	5
74	COOPERATION IN EVOLUTIONARY SNOWDRIFT GAME: NETWORKING EFFECTS. International Journal of Modern Physics B, 2007, 21, 4035-4040.	2.0	3
75	Cooperative behavior in a model of evolutionary snowdrift games with N-person interactions. Europhysics Letters, 2007, 80, 18002.	2.0	98
76	Controlling enhanced transmission through metallic gratings with subwavelength slits by anisotropic waveguide resonance. Applied Physics Letters, 2007, 91, 171101.	3.3	8
77	Collective signaling behavior in a networked-oscillator model. Physica A: Statistical Mechanics and Its Applications, 2007, 383, 714-724.	2.6	13
78	Evolutionary snowdrift game with an additional strategy in fully connected networks and regular lattices. Physica A: Statistical Mechanics and Its Applications, 2007, 383, 631-642.	2.6	18
79	Networking effects on evolutionary snowdrift game in networks with fixed degrees. Physica A: Statistical Mechanics and Its Applications, 2007, 385, 773-780.	2.6	19
80	An adaptive routing strategy for packet delivery in complex networks. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 364, 177-182.	2.1	81
81	Analytical studies on a modified Nagelâ€“Schreckenberg model with the Fukuiâ€“Ishibashi acceleration rule. Chaos, Solitons and Fractals, 2007, 31, 772-776.	5.1	11
82	Wave characteristics in gratings by linear superposition of retarded fields. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2006, 23, 3229.	1.5	0
83	Multi-agent complex systems and many-body physics. Europhysics Letters, 2006, 74, 923-929.	2.0	7
84	An efficient approach of controlling traffic congestion in scale-free networks. Physica A: Statistical Mechanics and Its Applications, 2006, 370, 843-853.	2.6	66
85	Topological properties of integer networks. Physica A: Statistical Mechanics and Its Applications, 2006, 367, 613-618.	2.6	32
86	Tunneling magnetoresistance in small dot arrays with perpendicular anisotropy. European Physical Journal B, 2006, 52, 305-309.	1.5	2
87	Networking effects on cooperation in evolutionary snowdrift game. Europhysics Letters, 2006, 76, 724-730.	2.0	86
88	Dynamics of opinion formation in a small-world network. Physical Review E, 2006, 73, 056128.	2.1	54
89	Coupling of waveguide and surface modes in enhanced transmission through stacking gratings. Applied Physics Letters, 2006, 89, 091101.	3.3	13
90	Second harmonic generation in random composites of particles with core-shell structure. Journal of Applied Physics, 2006, 100, 043524.	2.5	4

#	Article	IF	Citations
91	Second-harmonic generation in graded metalâ€“dielectric films of anisotropic particles. Physics Letters, Section A: General, Atomic and Solid State Physics, 2005, 342, 484-490.	2.1	7
92	Epidemics and dimensionality in hierarchical networks. Physica A: Statistical Mechanics and Its Applications, 2005, 352, 659-668.	2.6	30
93	Rapid magnetization reversal in magnetic small particles induced by non-static bias field. Solid State Communications, 2005, 134, 625-629.	1.9	4
94	Hysteresis in small arrays of interacting magnetic nanoparticles. European Physical Journal B, 2005, 46, 475-480.	1.5	7
95	Crowd Effects in Competitive, Multi-Agent Populations and Networks. Lecture Notes in Economics and Mathematical Systems, 2005, , 55-70.	0.3	0
96	Effects of contrarians in the minority game. Physical Review E, 2005, 72, 026134.	2.1	39
97	Equilibrium magnetic moment configurations in magnetic nanoparticle films: Effects of anisotropy, dipolar interaction, and Zeeman energy. Journal of Applied Physics, 2005, 98, 084303.	2.5	3
98	Theory of enhanced performance emerging in a sparsely connected competitive population. Physical Review E, 2005, 71, 050101.	2.1	17
99	Influence of dipolar interaction on small magnetic dot arrays. Journal of Applied Physics, 2005, 97, 103912.	2.5	16
100	Second-harmonic generation for a dilute suspension of coated particles. Physical Review B, 2004, 69, .	3.2	34
101	Scale-free networks with tunable degree-distribution exponents. Physical Review E, 2004, 69, 067102.	2.1	7
102	Evolutionary minority game wtih multiple options. Physical Review E, 2004, 70, 016119.	2.1	4
103	Dimensional crossover in the effective second-harmonic generation of films of random dielectrics. Physical Review B, 2004, 69, .	3.2	7
104	Error-driven global transition in a competitive population on a network. Physical Review E, 2004, 70, 055101.	2.1	9
105	Theory of networked minority games based on strategy pattern dynamics. Physical Review E, 2004, 70, 056102.	2.1	24
106	Enhanced winning in a competing population by random participation. Physical Review E, 2004, 69, 046120.	2.1	6
107	EFFECTS OF AGING AND LINKS REMOVAL ON EPIDEMIC DYNAMICS IN SCALE-FREE NETWORKS. International Journal of Modern Physics B, 2004, 18, 2534-2539.	2.0	12
108	COOPERATION IN THE EVOLUTIONARY MULTIPLE-CHOICE MINORITY GAME. International Journal of Modern Physics B, 2004, 18, 2691-2696.	2.0	0

#	Article	IF	Citations
109	Effects of composition ofPbTiO3on optical properties of(1â^'x)PbMg1/3Nb2/3O3â^'xPbTiO3thin films. Physical Review B, 2004, 69, .	3.2	46
110	Effects of local connectivity in a competitive population with limited resources. Europhysics Letters, 2004, 67, 867-873.	2.0	13
111	Theory of Collective Dynamics in Multi-Agent Complex Adaptive Systems. Advances in Solid State Physics, 2004, , 427-438.	0.8	3
112	Self-segregation and enhanced cooperation in an evolving population through local information transmission. Physica A: Statistical Mechanics and Its Applications, 2003, 321, 300-308.	2.6	21
113	The minority game with different payoff functions: crowdâ€"anticrowd theory. Physica A: Statistical Mechanics and Its Applications, 2003, 321, 309-317.	2.6	11
114	Efficient resource distribution in a minority game with a biased pool of strategies. Physica A: Statistical Mechanics and Its Applications, 2003, 321, 318-324.	2.6	19
115	Weighted scale-free networks with stochastic weight assignments. Physical Review E, 2003, 67, 040102.	2.1	76
116	Finite-size effect in the EguÃłuz and Zimmermann model of herd formation and information transmission. Physical Review E, 2002, 65, 046130.	2.1	11
117	A theory of induced interaction between rotating particles in electrorheological fluids. Journal of Chemical Physics, 2002, 116, 10989-10996.	3.0	11
118	Biased switching in an interacting pair of magnetic particles. Journal of Applied Physics, 2002, 91, 5957-5961.	2.5	14
119	Electronic transport properties of Sierpinski lattices in a magnetic field. Physical Review B, 2002, 66, .	3.2	13
120	RELAXATION THEORY FOR DYNAMIC ELECTRORHEOLOGICAL EFFECT. International Journal of Modern Physics B, 2002, 16, 2597-2602.	2.0	3
121	Fukuiâ€"Ishibashi Traffic Flow Models with Anticipation of Movement of the Car Ahead. Journal of the Physical Society of Japan, 2002, 71, 1651-1654.	1.6	12
122	Herd formation and information transmission in a population: non-universal behaviour. European Physical Journal B, 2002, 27, 213-218.	1.5	2
123	A model for the size distribution of customer groups and businesses. Physica A: Statistical Mechanics and Its Applications, 2002, 310, 480-486.	2.6	13
124	Effects of imitation in a competing and evolving population. Physica A: Statistical Mechanics and Its Applications, 2002, 312, 619-626.	2.6	9
125	Non-universal scaling and dynamical feedback in generalized models of financial markets. Physica A: Statistical Mechanics and Its Applications, 2002, 303, 176-184.	2.6	7
126	Monte Carlo studies of hysteresis curves in magnetic composites with fine magnetic particles. Journal of Applied Physics, 2001, 89, 3403-3407.	2.5	27

#	Article	IF	Citations
127	Effects of Announcing Global Information in a Two-Route Traffic Flow Model. Journal of the Physical Society of Japan, 2001, 70, 3507-3510.	1.6	92
128	Giant magnetoresistance in a three-dimensional lattice of dipolar interacting magnetic nanoparticles. Physics Letters, Section A: General, Atomic and Solid State Physics, 2001, 291, 325-332.	2.1	7
129	Crowdâ€“anticrowd theory of the minority game. Physica A: Statistical Mechanics and Its Applications, 2001, 298, 537-544.	2.6	62
130	Field transformation approach to photonic band structure calculations. Solid State Communications, 2001, 120, 483-486.	1.9	5
131	From market games to real-world markets. European Physical Journal B, 2001, 20, 493-501.	1.5	106
132	Crowd-anticrowd theory of multi-agent market games. European Physical Journal B, 2001, 20, 547-550.	1.5	48
133	INTERACTION BETWEEN PARTICLES AND PARTICLE CHAINS IN ELECTRORHEOLOGICAL FLUIDS. International Journal of Modern Physics B, 2001, 15, 1033-1041.	2.0	5
134	Dependence of the giant magnetoresistance on the concentration of magnetic particles in granular composites. Journal of Applied Physics, 2001, 90, 365-369.	2.5	12
135	Second and third harmonic generations in random composites of nonlinear dielectrics. Physica B: Condensed Matter, 2000, 279, 45-47.	2.7	6
136	A theory of nonlinear AC response in nonlinear composites. Physica B: Condensed Matter, 2000, 279, 62-65.	2.7	33
137	The asymptotic steady states of deterministic one-dimensional traffic flow models. Physica B: Condensed Matter, 2000, 279, 237-239.	2.7	18
138	Evolutionary freezing in a competitive population. Physica A: Statistical Mechanics and Its Applications, 2000, 283, 568-574.	2.6	11
139	Segregation in a competing and evolving population. Physica A: Statistical Mechanics and Its Applications, 2000, 288, 451-458.	2.6	10
140	Evolutionary minority game with heterogeneous strategy distribution. Physica A: Statistical Mechanics and Its Applications, 2000, 287, 313-320.	2.6	23
141	TRADER DYNAMICS IN A MODEL MARKET. International Journal of Theoretical and Applied Finance, 2000, 03, 443-450.	0.5	36
142	Mixed population Minority Game with generalized strategies. Journal of Physics A, 2000, 33, L409-L414.	1.6	13
143	Theory of the evolutionary minority game. Physical Review E, 2000, 62, 4393-4396.	2.1	57
144	Generalized strategies in the minority game. Physical Review E, 2000, 63, 017102.	2.1	29

#	Article	IF	Citations
145	Enhanced winnings in a mixed-ability population playing a minority game. Journal of Physics A, 1999, 32, L427-L431.	1.6	33
146	Global Behavior in a Population of Adaptive Competitive Agents. Adaptive Behavior, 1999, 7, 243-253.	1.9	2
147	Cellular automaton models of driven diffusive Frenkel-Kontorova-type systems. Physical Review E, 1999, 60, 149-158.	2.1	5
148	Self-Organized Segregation within an Evolving Population. Physical Review Letters, 1999, 82, 3360-3363.	7.8	133
149	Electronic transport properties of Sierpinski lattices. Physical Review B, 1999, 60, 13444-13452.	3.2	58
150	Minority game with arbitrary cutoffs. Physica A: Statistical Mechanics and Its Applications, 1999, 269, 493-502.	2.6	44
151	Crowd effects and volatility in markets with competing agents. Physica A: Statistical Mechanics and Its Applications, 1999, 269, 1-8.	2.6	91
152	Title is missing!. Journal of Materials Science, 1999, 34, 5497-5503.	3.7	83
153	A phenomenological model of percolating magnetic nanostructures. European Physical Journal B, 1999, 10, 481-485.	1.5	3
154	Statistical mechanical approach to cellular automaton models of highway traffic flow. Physica A: Statistical Mechanics and Its Applications, 1998, 254, 122-134.	2.6	16
155	Volatility and agent adaptability in a self-organizing market. Physica A: Statistical Mechanics and Its Applications, 1998, 258, 230-236.	2.6	77
156	Analytical results for the steady state of traffic flow models with stochastic delay. Physical Review E, 1998, 58, 2876-2882.	2.1	41
157	Mechanical Properties of Electrorheological Fluids. Chinese Physics Letters, 1998, 15, 232-234.	3.3	2
158	Theory of third harmonic generation in random composites of nonlinear dielectrics. Journal of Applied Physics, 1998, 84, 3451-3458.	2.5	59
159	Statistical mechanical approach to Fukui-Ishibashi traffic flow models. Physical Review E, 1998, 57, 2568-2573.	2.1	27
160	First-principles approach to conductivity of a nonlinear composite. Physical Review B, 1998, 58, 3057-3062.	3.2	15
161	Electronic-transport properties of tight-binding multiring systems. Physical Review B, 1998, 57, 12994-13001.	3.2	12
162	Theory of second harmonic generation in composites of nonlinear dielectrics. Journal of Applied Physics, 1997, 82, 4740-4743.	2.5	46

#	Article	IF	Citations
163	One-Dimensional Traffic Flow Problems: A Microscopic Approach. Journal of the Physical Society of Japan, 1997, 66, 1238-1241.	1.6	21
164	One-Dimensional Fukui-Ishibashi Traffic Flow Model. Journal of the Physical Society of Japan, 1997, 66, 3683-3684.	1.6	21
165	Effective response in nonlinear random composites. Physica A: Statistical Mechanics and Its Applications, 1997, 241, 301-309.	2.6	19
166	Bound states for two nonlinear impurities in one-dimensional tight-binding bands. Physica B: Condensed Matter, 1997, 229, 388-393.	2.7	2
167	Classical interacting particles in confinement. Solid State Communications, 1997, 103, 357-360.	1.9	11
168	Bose-Einstein condensation of finite number of confined particles. Solid State Communications, 1997, 104, 729-734.	1.9	14
169	Cellular automata models of traffic flow along a highway containing a junction. Journal of Physics A, 1996, 29, 3119-3127.	1.6	231
170	Mean Field Theory of Traffic Flow Problems with Overpasses and Asymmetric Distributions of Cars. Journal of the Physical Society of Japan, 1996, 65, 2345-2348.	1.6	26
171	Effective nonlinear response in random nonlinear granular materials. Physica A: Statistical Mechanics and Its Applications, 1996, 231, 408-416.	2.6	13
172	Decoupling approximation for strongly nonlinear composites. Physics Letters, Section A: General, Atomic and Solid State Physics, 1996, 210, 115-120.	2.1	37
173	Theory of effective response in dilute strongly nonlinear random composites. Applied Physics Letters, 1996, 69, 1810-1812.	3.3	6
174	Mean-field theory of strongly nonlinear random composites: Strong power-law nonlinearity and scaling behavior. Physical Review B, 1996, 54, 3946-3953.	3.2	36
175	Effects of a nonlinear impurity in a diatomic chain. Journal of Physics Condensed Matter, 1996, 8, 2011-2020.	1.8	9
176	Improved mean-field theory of two-dimensional traffic flow models. Journal of Physics A, 1996, 29, L31-L35.	1.6	27
177	Effects of a nonlinear impurity in three-dimensional tight-binding bands. Physics Letters, Section A: General, Atomic and Solid State Physics, 1995, 200, 325-328.	2.1	15
178	Bound states of an electron in a dimerized chain with a single nonlinear impurity. Physics Letters, Section A: General, Atomic and Solid State Physics, 1995, 209, 345-350.	2.1	3
179	Two-dimensional traffic flow problems in inhomogeneous lattices. Physica A: Statistical Mechanics and Its Applications, 1995, 217, 339-347.	2.6	32
180	Effects of a nonlinear impurity in two-dimensional systems. Solid State Communications, 1995, 95, 801-804.	1.9	15

#	Article	IF	Citations
181	Propagating photonic modes below the gap in a superconducting composite. Physical Review B, 1995, 51, 8634-8637.	3.2	27
182	Dimensional crossover in the effective nonlinear response in random nonlinear resistor networks. Physical Review B, 1995, 52, 15867-15871.	3.2	2
183	Upper Bounds for the Critical Car Densities in Traffic Flow Problems. Journal of the Physical Society of Japan, 1995, 64, 3570-3572.	1.6	18
184	Effective response in random mixtures of linear and nonlinear conductors. Journal of Physics Condensed Matter, 1995, 7, L593-L597.	1.8	17
185	Two-dimensional traffic flow problems with faulty traffic lights. Physical Review E, 1995, 51, 772-774.	2.1	109
186	Traffic Flow Problems in One-Dimensional Inhomogeneous Media. Journal of the Physical Society of Japan, 1994, 63, 4338-4341.	1.6	46
187	Effective linear and nonlinear response of fractal clusters. Physical Review B, 1994, 49, 11729-11735.	3.2	13
188	Crossover electric field in percolating perfect-conductorâ€“nonlinear-normal-metal composites. Physical Review B, 1994, 49, 15344-15347.	3.2	19
189	Percolation effects in two-component nonlinear composites: Crossover from linear to nonlinear behavior. Physical Review B, 1994, 50, 13327-13335.	3.2	17
190	Theory of photonic band structures: a vector-wave kÂ·p approach. Solid State Communications, 1994, 90, 229-232.	1.9	15
191	Theory of scalar wave propagation in periodic composites: A kÂ·p approach. Solid State Communications, 1994, 91, 65-69.	1.9	9
192	Scaling Behaviour in Nonlinear Random Resistor Networks. Journal of the Physical Society of Japan, 1994, 63, 2002-2003.	1.6	4
193	Zero-temperature entropy of fully frustrated generalized SierpiÅ„ski gaskets. Physics Letters, Section A: General, Atomic and Solid State Physics, 1993, 172, 219-223.	2.1	2
194	Superlattice excitons and optical absorption. Journal of Applied Physics, 1993, 74, 7369-7378.	2.5	14
195	k.p theory of photonic band structures in periodic dielectrics. Journal of Physics Condensed Matter, 1993, 5, L355-L360.	1.8	9
196	Effective dielectric response of nonlinear composites. Physical Review B, 1993, 47, 14150-14156.	3.2	89
197	Effective conductivity of nonlinear composites of spherical particles: A perturbation approach. Physical Review B, 1993, 47, 1782-1787.	3.2	51
198	Theory of propagation of scalar waves in periodic and disordered composite structures. Physical Review B, 1993, 48, 10118-10123.	3.2	16

#	Article	IF	Citations
199	Higher order nonlinear response in dilute random composites. Journal of Applied Physics, 1993, 73, 4072-4073.	2.5	29
200	Scale invariance in biased diffusion. Physical Review B, 1992, 45, 456-459.	3.2	2
201	Effects of clustering in binary composites: Random fractals. Physical Review B, 1992, 46, 14505-14509.	3.2	13
202	Wannier exciton binding energies in GaAs/AlxGa1-xAs quantum wells. Solid State Communications, 1991, 78, 145-148.	1.9	10
203	Effective electromagnetic response in superconductor-normal metal composites. Physica C: Superconductivity and Its Applications, 1991, 174, 365-372.	1.2	2
204	Effects of density of states on superconductivity. Physics Letters, Section A: General, Atomic and Solid State Physics, 1991, 160, 305-308.	2.1	3
205	Electronic structure of superlattices incorporating diluted magnetic semiconductors. Physical Review B, 1991, 43, 2305-2314.	3.2	14
206	Effective nonlinear response in random nonlinear resistor networks: Numerical studies. Physical Review B, 1991, 44, 12559-12561.	3.2	25
207	Excitation spectrum of a superconducting sphere in a superconducting host: Effects of phase fluctuations. Physical Review B, 1991, 43, 6139-6142.	3.2	0
208	Excitons and interband transitions in III-V semiconductor superlattices. Physical Review B, 1991, 44, 12969-12976.	3.2	22
209	Enhancement in nonlinear effects in percolating nonlinear resistor networks. Physical Review B, 1990, 41, 1673-1675.	3.2	28
210	Theory of Faraday rotation in granular magnetic materials. Journal of Applied Physics, 1990, 67, 2736-2741.	2.5	85
211	Effective nonlinear response in dilute nonlinear granular materials. Journal of Applied Physics, 1990, 68, 3009-3010.	2.5	36
212	Electronic and optical properties of III-V and II-VI semiconductor superlattices. Physical Review B, 1990, 41, 3655-3669.	3.2	105
213	Correlation and clustering in the optical properties of composites: A numerical study. Physical Review B, 1989, 39, 13224-13230.	3.2	32
214	A possible resolution of the valenceâ€band offset controversy in HgTe/CdTe superlattices. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1989, 7, 424-426.	2.1	28
215	Effects ofdbands on semiconductorspHamiltonians. Physical Review B, 1989, 40, 12346-12352.	3.2	24
216	Mean field theory for weakly nonlinear composites. Physica A: Statistical Mechanics and Its Applications, 1989, 157, 192-197.	2.6	42

#	Article	IF	Citations
217	Numerical study of optical absorption in two-dimensional metal-insulator and normal-superconductor composites. Physica A: Statistical Mechanics and Its Applications, 1989, 157, 370.	2.6	3
218	Numerical study of optical absorption in two-dimensional metal-insulator and normal-superconductor composites. Physical Review B, 1989, 39, 1063-1067.	3.2	44
219	Nonlinear conductivity of an Inâ€Y1Ba2Cu3O7â^'xinterface. Journal of Applied Physics, 1989, 65, 3968-3971.	2.5	8
220	Valence-Band-Offset Controversy in HgTe/CdTe Superlattices: A Possible Resolution. Physical Review Letters, 1988, 61, 1993-1995.	7.8	113
221	Nonlinear susceptibilities of granular matter. Physical Review B, 1988, 37, 8719-8724.	3.2	299
222	Effective-medium theory for weakly nonlinear composites. Physical Review B, 1988, 38, 10970-10973.	3.2	240
223	Nonuniversal breakdown behavior in superconducting and dielectric composites. Physical Review B, 1987, 36, 1956-1961.	3.2	47
224	Theory of Faraday rotation by dilute suspensions of small particles. Applied Physics Letters, 1987, 50, 950-952.	3.3	77
225	Anomalous transport in random resistor-capacitor network: Application to composite materials. Physics Letters, Section A: General, Atomic and Solid State Physics, 1986, 118, 305-308.	2.1	3
226	Random walks in one-dimensional disordered systems: A Monte Carlo study. Physical Review A, 1986, 33, 2745-2748.	2.5	3
227	Complex dielectric response of metal-particle clusters. Physical Review B, 1986, 33, 2163-2169.	3.2	74
228	Noise exponent in superconducting-normal metal mixtures. Physical Review B, 1986, 34, 8101-8103.	3.2	22
229	Localized single-particle excitations for a normal-metal sphere in a superconducting host. Physical Review B, 1985, 31, 584-587.	3.2	7
230	Anomalous frequency-dependent transport in composites. Physical Review B, 1985, 32, 7728-7733.	3.2	12