MooYoung Choi

List of Publications by Year
in descending order

231 papers	4,792 citations	136950 32 h-index	118850 62 g-index
233 all docs	233 docs citations	233 times ranked	3594 citing authors

#	Article	IF	Citations
1	Ontological Revision and Quantum Mechanics. Results in Physics, 2022, 33, 105159.	4.1	0
2	The structural aspects of neural dynamics and information flow. Frontiers in Bioscience, 2022, 27, 1.	2.1	3
3	Cryptocurrency: Not far from equilibrium. Technological Forecasting and Social Change, 2022, 177, 121424.	11.6	9
4	Spatial distributions of restaurants emerging from pedestrian behavior and online information sharing. Physica A: Statistical Mechanics and Its Applications, 2022, 597, 127265.	2.6	0
5	Product molecule numbers and reaction rate fluctuations in elementary reactions. AIP Advances, 2022, 12, 065308.	1.3	1
6	A least action principle for interceptive walking. Scientific Reports, 2021, 11, 2198.	3.3	0
7	Spatiotemporal distributions of population in Seoul: joint influence of ridership and accessibility of the subway system. EPJ Data Science, 2021, 10, .	2.8	5
8	Characterization of dynamics and information processing of integrate-and-fire neuron models. Journal of Physics A: Mathematical and Theoretical, 2021, 54, 445601.	2.1	7
9	A neural network model based on the cortical modularity. Journal of the Korean Physical Society, 2021, 79, 772.	0.7	1
10	Spatiotemporal behaviors of the ridership of a public transportation system during an epidemic outbreak: case of MERS in Seoul. Journal of the Korean Physical Society, 2021, , 1-9.	0.7	1
11	Characterization of multiscale logic operations in the neural circuits. Frontiers in Bioscience, 2021, 26, 723.	2.1	2
12	General solutions of the heat equation. Physica A: Statistical Mechanics and Its Applications, 2020, 539, 122914.	2.6	2
13	Grand canonical description of equilibrium and non-equilibrium systems using spin formalism. Physica A: Statistical Mechanics and Its Applications, 2020, 558, 124983.	2.6	0
14	Response Theory of Spiking Neural Networks. Journal of the Korean Physical Society, 2020, 77, 168-176.	0.7	3
15	Limited coagulation-diffusion dynamics in inflating spaces. European Physical Journal B, 2020, 93, 1.	1.5	0
16	Hub-Periphery Hierarchy in Bus Transportation Networks: Gini Coefficients and the Seoul Bus System. Sustainability, 2020, 12, 7297.	3.2	3
17	Computational modeling of the effects of autophagy on amyloid-Î² peptide levels. Theoretical Biology and Medical Modelling, 2020, 17, 2.	2.1	12
18	Using a Virtual Reality Walking Simulator to Investigate Pedestrian Behavior. Journal of Visualized Experiments, 2020, , .	0.3	1

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19	Generalized maximal entropy argument for the gravity law in human mobility. Europhysics Letters, 2020, 132, 48001.	2.0	2
20	Behavioral Dynamics of Pedestrians Crossing between Two Moving Vehicles. Applied Sciences (Switzerland), 2020, 10, 859.	2.5	4
21	Distribution of the coalescence times in a system of diffusion-aggregation of particle clusters in one dimension. Journal of Physics A: Mathematical and Theoretical, 2020, 53, 505004.	2.1	0
22	Accessibility Measurement in Transportation Networks and Application to the Seoul Bus System. Geographical Analysis, 2019, 51, 339-353.	3.5	16
23	Statistical properties of human activity and criticality in active behavior. Europhysics Letters, 2019, 126, 68001.	2.0	3
24	Fractionalized Edge Spins and Boundary Conditions in Frustrated Ferromagnetic Quantum Spin Chains. Journal of the Korean Physical Society, 2019, 75, 929-934.	0.7	0
25	Effects of Janus Oscillators in the Kuramoto Model with Positive and Negative Couplings. Journal of the Korean Physical Society, 2019, 75, 443-447.	0.7	2
26	Predicting Energy Expenditure During Gradient Walking With a Foot Monitoring Device: Model-Based Approach. JMIR MHealth and UHealth, 2019, 7, e12335.	3.7	4
27	Emergence of complexity in poetry: â€œSoleils couchantsâ€•by Verlaine. Palgrave Communications, 2019, 5, .	4.7	0
28	Interaction Effects on the Size Distribution in a Growth Model. Journal of the Korean Physical Society, 2018, 72, 327-334.	0.7	1
29	Traveling Speed of Clusters in the Kuramoto-Sakaguchi Model. Journal of the Korean Physical Society, 2018, 72, 342-347.	0.7	2
30	Generalized formulation of free energy and application to photosynthesis. Physica A: Statistical Mechanics and Its Applications, 2018, 493, 125-134.	2.6	1
31	Density distribution in two Ising systems with particle exchange. European Physical Journal B, 2018, 91, 1.	1.5	1
32	Modeling of a Neural System Based on Statistical Mechanics. Entropy, 2018, 20, 848.	2.2	0
33	General solution of the Blackâ€"Scholes boundary-value problem. Physica A: Statistical Mechanics and Its Applications, 2018, 509, 546-550.	2.6	7
34	Numerical study of entrainment of the human circadian system and recovery by light treatment. Theoretical Biology and Medical Modelling, 2018, 15, 5.	2.1	3
35	Emergence of heavy-tailed skew distributions from the heat equation. Physica A: Statistical Mechanics and Its Applications, 2017, 470, 88-93.	2.6	6
36	COEXISTENCE OF THREE OSCILLATORY MODES OF INSULIN SECRETION: MATHEMATICAL MODELING AND RELEVANCE TO GLUCOSE REGULATION. Journal of Biological Systems, 2017, 25, 341-368.	1.4	1

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37	Emergent incommensurate correlations in frustrated ferromagnetic spin-1 chains. Physical Review B, 2017, 95, .	3.2	4
38	Time evolution of entropy in a growth model: Dependence on the description. Journal of the Korean Physical Society, 2017, 70, 12-21.	0.7	6
39	Phase transitions and relaxation dynamics of Ising models exchanging particles. Physica A: Statistical Mechanics and Its Applications, 2017, 466, 166-179.	2.6	3
40	Modeling stock return distributions with a quantum harmonic oscillator. Europhysics Letters, 2017, 120, 38003.	2.0	28
41	Dynamics of analyst forecasts and emergence of complexity: Role of information disparity. PLoS ONE, 2017, 12, e0177071.	2.5	11
42	Origin of the spike-timingâ€"dependent plasticity rule. Europhysics Letters, 2016, 115, 38001.	2.0	10
43	How complexity emerges in urban systems: Theory of urban morphology. Physical Review E, 2016, 93, 052309.	2.1	19
44	General method to solve the heat equation. Physica A: Statistical Mechanics and Its Applications, 2016, 444, 530-537.	2.6	3
45	Traveling cluster pairs in a system of phase oscillators with positive and negative couplings under a periodic driving field. Journal of the Korean Physical Society, 2015, 67, 1524-1528.	0.7	1
46	Slope-reversed Mott transition in multiorbital systems. Physical Review B, 2015, 92, .	3.2	1
47	Synaptotagmin-1 binds to PIP2-containing membrane but not to SNAREs at physiological ionic strength. Nature Structural and Molecular Biology, 2015, 22, 815-823.	8.2	107
48	Autophagy mediates phase transitions from cell death to life. Heliyon, 2015, 1, e00027.	3.2	14
49	Failure of Arm Movement Control in Stroke Patients, Characterized by Loss of Complexity. PLoS ONE, 2015, 10, e0141996.	2.5	3
50	Emergence of Criticality in the Transportation Passenger Flow: Scaling and Renormalization in the Seoul Bus System. PLoS ONE, 2014, 9, e89980.	2.5	18
51	COMPUTER SIMULATIONS UNVEIL THE DYNAMICS OF AUTOPHAGY AND ITS IMPLICATIONS FOR THE CELLULAR QUALITY CONTROL. Journal of Biological Systems, 2014, 22, 659-675.	1.4	5
52	Finite-temperature phase transitions in the ionic Hubbard model. Physical Review B, 2014, 89, .	3.2	9
53	Discriminating between Weibull distributions and log-normal distributions emerging in branching processes. Journal of Physics A: Mathematical and Theoretical, 2014, 47, 225101.	2.1	9
54	On the dynamics of traveling phase-oscillators with positive and negative couplings. Journal of the Korean Physical Society, 2014, 65, 1738-1742.	0.7	5

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55	Generalized hydromechanical model for stomatal responses to hydraulic perturbations. Journal of Theoretical Biology, 2014, 340, 119-130.	1.7	3
56	Model for Twitter dynamics: Public attention and time series of tweeting. Physica A: Statistical Mechanics and Its Applications, 2014, 404, 142-149.	2.6	24
57	Driving distributions and periodic synchronization-desynchronization in driven phase oscillators. Journal of the Korean Physical Society, 2014, 64, 11-15.	0.7	2
58	Estimate of the phase transition line in the infinite-dimensional Hubbard model. Journal of the Korean Physical Society, 2014, 64, 268-276.	0.7	5
59	A model for the receptive field of retinal ganglion cells. Neural Networks, 2014, 49, 51-58.	5.9	15
60	Quantitative indices of autophagy activity from minimal models. Theoretical Biology and Medical Modelling, 2014, 11, 31.	2.1	9
61	Dynamics of interval fragmentation and asymptotic distributions. Journal of Physics A: Mathematical and Theoretical, 2013, 46, 225002.	2.1	5
62	Modulation of the boundary between hierarchically differentiated domains in a self-organizing neural system. Europhysics Letters, 2013, 101, 48004.	2.0	4
63	Information-sharing tendency on Twitter and time evolution of tweeting. Europhysics Letters, 2013, 101, 58004.	2.0	5
64	Information exchange dynamics of the two-dimensional XY model. Physical Review E, 2013, 88, 052134.	2.1	1
65	DYNAMIC TRANSITION AND RESONANCE IN COUPLED OSCILLATORS UNDER SYMMETRY-BREAKING FIELDS. International Journal of Modern Physics B, 2013, 27, 1350062.	2.0	3
66	How cells grow and divide: mathematical analysis confirms demand for the cell cycle. Journal of Physics A: Mathematical and Theoretical, 2012, 45, 135101.	2.1	2
67	Modification of the gravity model and application to the metropolitan Seoul subway system. Physical Review E, 2012, 86, 026102.	2.1	59
68	Mathematical models for insulin secretion in pancreatic Î²-cells. Islets, 2012, 4, 94-107.	1.8	9
69	Mathematical model for glucose regulation in the whole-body system. Islets, 2012, 4, 84-93.	1.8	15
70	Mathematical model of the glucoseâ€"insulin regulatory system: From the bursting electrical activity in pancreatic Î²-cells to the glucose dynamics in the whole body. Physics Letters, Section A: General, Atomic and Solid State Physics, 2012, 376, 3150-3157.	2.1	8
71	Dynamic characteristics of tweeting and tweet topics. Journal of the Korean Physical Society, 2012, 60, 590-594.	0.7	6
72	Spontaneous organization of the cortical structure through endogenous neural firing and gap junction transmission. Neural Networks, 2012, 31, 46-52.	5.9	10

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73	Dynamics of macroautophagy: Modeling and oscillatory behavior. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 686-692.	2.6	11
74	Master equation approach to the intra-urban passenger flow and application to the Metropolitan Seoul Subway system. Journal of Physics A: Mathematical and Theoretical, 2011, 44, 115007.	2.1	14
75	Emergent topologies in activity-dependent self-organizing networks. Europhysics Letters, 2011, 95, 58005.	2.0	9
76	Weibull-type limiting distribution for replicative systems. Physical Review E, 2011, 83, 031123.	2.1	16
77	Cluster Motion and Resonance-like Behavior in Coupled Oscillators under Periodic Symmetry-breaking Fields. Journal of the Korean Physical Society, 2011, 59, 2664-2669.	0.7	1
78	Reply to the Comment by A. Gadomski. Europhysics Letters, 2010, 89, 40003.	2.0	0
79	Brain networks: Graph theoretical analysis and development models. International Journal of Imaging Systems and Technology, 2010, 20, 108-116.	4.1	7
80	Phase transitions in confined water nanofilms. Nature Physics, 2010, 6, 685-689.	16.7	261
81	Conformational Dynamics and Ligand Binding in the Multi-Domain Protein PDC109. PLoS ONE, 2010, 5, e9180.	2.5	14
82	Range of shortcuts in the dynamic model of neural networks. Journal of Physics A: Mathematical and Theoretical, 2010, 43, 205001.	2.1	1
83	Comment on â€œDynamical phase transition of a one-dimensional transport process including deathâ€. Physical Review E, 2010, 82, 013101.	2.1	1
84	Emergence of skew distributions in controlled growth processes. Physical Review E, 2010, 82, 061115.	2.1	21
85	Fragility, Stokesâ€"Einstein violation, and correlated local excitations in a coarse-grained model of an ionic liquid. Physical Chemistry Chemical Physics, 2010, 12, 2001.	2.8	48
86	Sleepless in Seoul: Â¡Â®The Ant and the MetrohopperÂ¡Â¯. Journal of the Korean Physical Society, 2010, 57, 823-825.	0.7	12
87	Dynamic Phase Transition in Coupled Oscillators under a Periodic Symmetry-breaking Field. Journal of the Korean Physical Society, 2010, 57, 1350-1355.	0.7	0
88	Connectivity effects in the dynamic model of neural networks. Journal of Physics A: Mathematical and Theoretical, 2009, 42, 205003.	2.1	2
89	How skew distributions emerge in evolving systems. Europhysics Letters, 2009, 85, 30006.	2.0	25
90	Beneficial effects of intercellular interactions between pancreatic islet cells in blood glucose regulation. Journal of Theoretical Biology, 2009, 257, 312-319.	1.7	21

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91	Functional Organization for Direction Preference in Relation to Orientation and Ocular Dominance Maps. Journal of the Korean Physical Society, 2009, 55, 2532-2536.	0.7	6
92	Statistical analysis of the Metropolitan Seoul Subway System: Network structure and passenger flows. Physica A: Statistical Mechanics and Its Applications, 2008, 387, 6231-6234.	2.6	124
93	1 âˆ• f spectrum and memory function analysis of solvation dynamics in a room-temperature ionic liquid. Journal of Chemical Physics, 2008, 128, 174504.	3.0	18
94	Effects of neuronal loss in the dynamic model of neural networks. Journal of Physics A: Mathematical and Theoretical, 2008, 41, 385102.	2.1	2
95	Criticality in the dynamic failure model. Journal of Physics A: Mathematical and Theoretical, 2008, 41, 145101.	2.1	3
96	Relaxation dynamics and interrupted coarsening in irrationally frustrated superconducting arrays. Physical Review B, 2008, 78, .	3.2	0
97	Systems of pancreatic beta-cells and glucose regulation. Frontiers in Bioscience - Landmark, 2008, Volume, 6421.	3.0	4
98	Î² CELLS IN PANCREATIC ISLETS AND GLUCOSE REGULATION. International Journal of Modern Physics B, 2007, 21, 4104-4110.	2.0	0
99	Construction of equilibrium networks with an energy function. Journal of Physics A: Mathematical and Theoretical, 2007, 40, 9723-9732.	2.1	2
100	Equalization of Synaptic Efficacy by Synchronous Neural Activity. Physical Review Letters, 2007, 99, 208102.	7.8	9
101	Noise effects on the health status in a dynamic failure model for living organisms. Journal of Physics A: Mathematical and Theoretical, 2007, 40, 3319-3328.	2.1	1
102	Effects of Solute Electronic Polarizability on Solvation in a Room-Temperature Ionic Liquidâ€. Journal of Physical Chemistry B, 2007, 111, 4920-4925.	2.6	53
103	Solvation, Solute Rotation and Vibration Relaxation, and Electron-Transfer Reactions in Room-Temperature Ionic Liquids. Accounts of Chemical Research, 2007, 40, 1130-1137.	15.6	78
104	Size Distribution of Mouse Langerhans Islets. Biophysical Journal, 2007, 93, 2655-2666.	0.5	69
105	Defect motion and lattice pinning barriers in Josephson-junction ladders. Physical Review B, 2006, 73, .	3.2	1
106	Network marketing on a small-world network. Physica A: Statistical Mechanics and Its Applications, 2006, 360, 493-504.	2.6	33
107	Consumer referral in a small world network. Social Networks, 2006, 28, 232-246.	2.1	24
108	Rotational dynamics of a diatomic solute in the room-temperature ionic liquid 1-ethyl-3-methylimidazolium hexafluorophosphate. Journal of Chemical Physics, 2006, 125, 061102.	3.0	36

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109	Health status and resonance in a model for living organisms under periodic stress and healing. Physical Review E, 2006, 73, 031905.	2.1	3
110	Collective oscillations, bicluster motion, and dynamical order in a system of globally coupled rotors with repulsive interactions. Physical Review E, 2006, 74, 056106.	2.1	2
111	Dynamic critical behaviors in two-dimensional Josephson junction arrays with positional disorder. Physical Review B, 2006, 74, .	3.2	9
112	Kondo effects in carbon nanotubes: From SU(4) to SU(2) symmetry. Physical Review B, 2006, 74, .	3.2	85
113	Dynamic model for failures in biological systems. Europhysics Letters, 2005, 71, 501-507.	2.0	5
114	Scale-free dynamics emerging from information transfer. Europhysics Letters, 2005, 69, 503-509.	2.0	5
115	Entropic sampling dynamics of the globally coupled kinetic Ising model. Journal of Physics A, 2005, 38, 2115-2122.	1.6	1
116	Stability of thermodynamic and dynamical order in a system of globally coupled rotors. Journal of Physics A, 2005, 38, 5659-5675.	1.6	4
117	Critical currents for vortex defect motion in superconducting arrays. Physical Review B, 2005, 71, .	3.2	2
118	Slow relaxation in the Ising model on a small-world network with strong long-range interactions. Physical Review E, 2005, 71, 036103.	2.1	8
119	Glucose metabolism and oscillatory behavior of pancreatic islets. Physical Review E, 2005, 72, 051905.	2.1	9
120	A molecular dynamics computer simulation study of room-temperature ionic liquids. II. Equilibrium and nonequilibrium solvation dynamics. Journal of Chemical Physics, 2005, 122, 044511.	3.0	105
121	Collective synchronization in spatially extended systems of coupled oscillators with random frequencies. Physical Review E, 2005, 72, 036217.	2.1	82
122	A molecular dynamics computer simulation study of room-temperature ionic liquids. I. Equilibrium solvation structure and free energetics. Journal of Chemical Physics, 2005, 122, 044510.	3.0	84
123	How Noise and Coupling Induce Bursting Action Potentials in Pancreatic Î²-Cells. Biophysical Journal, 2005, 89, 1534-1542.	0.5	37
124	Factors that predict better synchronizability on complex networks. Physical Review E, 2004, 69, 067105.	2.1	209
125	Phase transitions in models for coupled charge-density waves. Physical Review B, 2004, 69, .	3.2	2
126	Collective phase synchronization in locally coupled limit-cycle oscillators. Physical Review E, 2004, 70, 045204.	2.1	25

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127	Dynamic transition and Shapiro-step melting in a frustrated Josephson-junction array. Physical Review B, 2004, 69, .	3.2	11
128	Dynamic model of fiber bundles. Europhysics Letters, 2004, 66, 62-68.	2.0	5
129	Exact quantum description of the Aharonovâ€"Bohm effect. Current Applied Physics, 2004, 4, 267-271.	2.4	6
130	Correspondences and quantum description of Aharonovâ€"Bohm and Aharonovâ€"Casher effects. Journal of Physics A, 2004, 37, 973-988.	1.6	2
131	Phase transition in the Ising model on a small-world network with distance-dependent interactions. Physical Review E, 2003, 68, 027101.	2.1	23
132	Optimal size of a complex network. Physical Review E, 2003, 67, 046101.	2.1	12
133	Stability and Ensemble Inequivalence in a Globally Coupled System. Physical Review Letters, 2003, 91, 124101.	7.8	73
134	Relaxation and coarsening dynamics in superconducting arrays. Physical Review B, 2003, 67, .	3.2	10
135	Quantum phase transitions and persistent currents in Josephson-junction ladders. Physical Review B, 2003, 68, .	3.2	8
136	Frequency resonance in Josephson-junction arrays driven by high alternating currents. Physical Review B, 2003, 68, .	3.2	9
137	Solvation in molecular ionic liquids. Journal of Chemical Physics, 2003, 119, 6411-6414.	3.0	156
138	Quantum and classical diffusion on small-world networks. Physical Review B, 2003, 68, .	3.2	24
139	Netons: vibrations of complex networks. Journal of Physics A, 2003, 36, 6329-6336.	1.6	11
140	Spontaneous phase oscillation induced by inertia and time delay. Physical Review E, 2002, 65, 026208.	2.1	20
141	Quantum and frustration effects on fluctuations of the inverse compressibility in two-dimensional Coulomb glasses. Physical Review B, 2002, 66, .	3.2	2
142	Stochastic resonance in the driven Ising model on small-world networks. Physical Review E, 2002, 66, 011107.	2.1	24
143	Noise-enhanced temporal association in neural networks. Physical Review E, 2002, 65, 036114.	2.1	6
144	Dynamic transitions and resonances in Josephson-junction arrays under oscillating magnetic fields. Physical Review B, 2002, 65, .	3.2	6

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145	Phase ordering on small-world networks with nearest-neighbor edges. Physical Review E, 2002, 65, 047104.	2.1	27
146	Dynamic instabilities induced by asymmetric influence: Prisoners' dilemma game in small-world networks. Physical Review E, 2002, 66, 021907.	2.1	195
147	Dynamic transition and resonance in current-driven arrays of Josephson junctions. Physical Review B, 2002, 66, .	3.2	10
148	Comment on "Ising model on a small world network" Physical Review E, 2002, 66, 018101.	2.1	69
149	Synchronization on small-world networks. Physical Review E, 2002, 65, 026139.	2.1	375
150	Slow relaxation in superconducting arrays. Physica A: Statistical Mechanics and Its Applications, 2002, 315, 255-266.	2.6	1
151	Double stochastic resonance peaks in systems with dynamic phase transitions. Europhysics Letters, 2001, 56, 333-339.	2.0	36
152	Temporal association in a network of neuronal oscillators. Journal of Physics A, 2001, 34, 5021-5031.	1.6	5
153	Spatiotemporal stochastic resonance in fully frustrated Josephson ladders. Physical Review B, 2001, 63, .	3.2	11
154	Topological interpretation of subharmonic mode locking in coupled oscillators with inertia. Physical Review B, 2001, 64, .	3.2	9
155	Topological quantization and degeneracy in Josephson-junction arrays. Physical Review B, 2001, 63, .	3.2	2
156	Renormalization-group study of gate charge effects in Josephson-junction chains. Physical Review B, 2001, 63, .	3.2	3
157	XYmodel in small-world networks. Physical Review E, 2001, 64, 056135.	2.1	108
158	Capacitively coupled Josephson-junction chains: straight versus slanted coupling. Journal of Physics Condensed Matter, 2000, 12, 943-957.	1.8	6
159	Phase synchronization and noise-induced resonance in systems of coupled oscillators. Physical Review E, 2000, 62, 6462-6468.	2.1	26
160	Intrinsic Finite-Size Effects in the Two-DimensionalXYModel with Irrational Frustration. Physical Review Letters, 2000, 85, 3484-3487.	7.8	18
161	Synchronization in a system of globally coupled oscillators with time delay. Physical Review E, 2000, 61, 371-381.	2.1	103
162	Noise effects on synchronization in systems of coupled oscillators. Journal of Physics A, 1999, 32, L9-L15.	1.6	23

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163	Inertia effects on periodic synchronization in a system of coupled oscillators. Physical Review E, 1999, 59, 353-363.	2.1	33
164	Synchronization and resonance in a driven system of coupled oscillators. Physical Review E, 1999, 60, 4014-4020.	2.1	11
165	Phase transition in the two-dimensional gauge glass. Physical Review B, 1999, 60, 4070-4073.	3.2	22
166	Current responses and voltage fluctuations in Josephson-junction systems. Europhysics Letters, 1998, 43, 439-444.	2.0	2
167	Quantum diffusion in the generalized Harper equation. Journal of Physics A, 1998, 31, 1353-1364.	1.6	7
168	Quantum phase transitions in superconducting arrays under external magnetic fields. Physical Review B, 1998, 58, 14524-14530.	3.2	5
169	Quantum phase transitions in Josephson-junction chains. Physical Review B, 1998, 57, R716-R719.	3.2	32
170	Temporal association in neural networks at finite temperatures. Physical Review E, 1998, 58, 7761-7768.	2.1	2
171	Cotunneling Transport and Quantum Phase Transitions in Coupled Josephson-Junction Chains with Charge Frustration. Physical Review Letters, 1998, 81, 4240-4243.	7.8	24
172	Entropic sampling and natural selection in biological evolution. Journal of Physics A, 1997, 30, L749-L755.	1.6	5
173	Quantum phase transitions in superconducting arrays with general capacitance matrices. Physical Review B, 1997, 56, 395-409.	3.2	12
174	Anomalous relaxation in theXYgauge glass. Physical Review B, 1997, 56, 6007-6012.	3.2	17
175	Synchronization in networks of superconducting wires. Physical Review B, 1997, 56, 387-394.	3.2	21
176	Double transitions in the fully frustrated XY model. Physical Review B, 1997, 55, 14088-14091.	3.2	13
177	Frustration effects on supercurrents in annular arrays of superconductors. Physical Review B, 1997, 56, 2368-2371.	3.2	3
178	Static and dynamic behaviors of the two-dimensional XY gauge glass. European Physical Journal D, 1996, 46, 2279-2280.	0.4	0
179	Vortex state and quantization in superconducting arrays. Physica B: Condensed Matter, 1996, 222, 358-363.	2.7	1
180	Comment on â€œGlassiness in a Model without Energy Barriersâ€• Physical Review Letters, 1996, 76, 4648-4648.	7.8	12

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181	Persistent currents in annuli: effects of disorder and Coulomb interaction. Journal of Physics Condensed Matter, 1996, 8, 4429-4440.	1.8	0
182	Fractional giant Shapiro resonances in frustrated systems driven by a time-dependent flux. Europhysics Letters, 1996, 35, 457-462.	2.0	1
183	Synchronization in a network of neuronal oscillators with finite storage capacity. Physical Review E, 1995, 52, 2907-2911.	2.1	23
184	Traffic flow and 1/ffluctuations. Physical Review E, 1995, 52, 5979-5984.	2.1	29
185	Quantum fluctuations in superconducting arrays with a general capacitance matrix. Physical Review B, 1995, 52, 3624-3631.	3.2	21
186	Dual Aharonov-Casher effect and persistent dipole current. Physical Review B, 1995, 52, 7838-7840.	3.2	12
187	Fractional periods of persistent currents in frustrated systems. Physical Review B, 1995, 52, 13769-13772.	3.2	3
188	Phase transition in theXYgauge glass. Physical Review B, 1995, 51, 16211-16219.	3.2	10
189	Subharmonic structure of Shapiro steps in frustrated superconducting arrays. Physical Review B, 1995, 52, 13536-13546.	3.2	8
190	Topological Quantization in Superconducting Arrays. , 1995, , 541-548.		1
191	Optimization by multicanonical annealing and the traveling salesman problem. Physical Review E, 1994, 50, R651-R654.	2.1	42
192	Periodic synchronization in a driven system of coupled oscillators. Physical Review E, 1994, 49, 3825-3832.	2.1	29
193	Bloch oscillation and topological quantization. Physical Review B, 1994, 50, 13875-13878.	3.2	5
194	Quantum Hall effect in ideal superconducting arrays at zero temperature. Physical Review B, 1994, 50, 10088-10091.	3.2	26
195	Granular relaxation under tapping and the traffic problem. Physical Review E, 1994, 50, 4123-4135.	2.1	28
196	Devil's Staircase in a Fully Frustrated Superconducting Array. Europhysics Letters, 1993, 23, 217-222.	2.0	4
197	Synaptic noise in neural networks at finite temperatures. Journal of Physics A, 1993, 26, 3697-3705.	1.6	3
198	Optimal storage capacity of neural networks at finite temperatures. Journal of Physics A, 1993, 26, 3741-3755.	1.6	4

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199	Arrays of resistively shunted Josephson junctions in magnetic fields. Physical Review B, 1993, 48, 322-332.	3.2	28
200	Langevin dynamics, scale invariance, and granular flows. Physical Review E, 1993, 47, 137-142.	2.1	4
201	Spontaneous current and voltage via Aharonov-Casher effect. Physical Review Letters, 1993, 71, 2987-2990.	7.8	35
202	Topological invariance of superconducting arrays. Physical Review B, 1992, 46, 564-566.	3.2	25
203	Triangular superconducting array with a quarter of the flux quantum per plaquette. Physical Review B, 1992, 46, 1240-1243.	3.2	2
204	Potts-glass model of layered feedforward neural networks. Physical Review A, 1992, 45, 1238-1248.	2.5	12
205	Algebraic decay of correlations in neural networks. Physical Review A, 1992, 46, 5292-5295.	2.5	1
206	Master equation approach to neural networks. AIP Conference Proceedings, 1992, , .	0.4	0
207	Statistical-mechanical formulation of the Willshaw model with local inhibition. Physical Review A, 1991, 43, 7012-7018.	2.5	2
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