

MooYoung Choi

List of Publications by Year in descending order

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231
papers

4,792
citations

136950

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62
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233
docs citations

233
times ranked

3594
citing authors

#	ARTICLE	IF	CITATIONS
1	Synchronization on small-world networks. <i>Physical Review E</i> , 2002, 65, 026139.	2.1	375
2	Phase transitions in confined water nanofilms. <i>Nature Physics</i> , 2010, 6, 685-689.	16.7	261
3	Factors that predict better synchronizability on complex networks. <i>Physical Review E</i> , 2004, 69, 067105.	2.1	209
4	Dynamic instabilities induced by asymmetric influence: Prisoners' dilemma game in small-world networks. <i>Physical Review E</i> , 2002, 66, 021907.	2.1	195
5	Phase transitions in uniformly frustrated XY models. <i>Physical Review B</i> , 1985, 31, 4516-4526.	3.2	181
6	Solvation in molecular ionic liquids. <i>Journal of Chemical Physics</i> , 2003, 119, 6411-6414.	3.0	156
7	Statistical analysis of the Metropolitan Seoul Subway System: Network structure and passenger flows. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008, 387, 6231-6234.	2.6	124
8	XY model in small-world networks. <i>Physical Review E</i> , 2001, 64, 056135.	2.1	108
9	Synaptotagmin-1 binds to PIP2-containing membrane but not to SNAREs at physiological ionic strength. <i>Nature Structural and Molecular Biology</i> , 2015, 22, 815-823.	8.2	107
10	A molecular dynamics computer simulation study of room-temperature ionic liquids. II. Equilibrium and nonequilibrium solvation dynamics. <i>Journal of Chemical Physics</i> , 2005, 122, 044511.	3.0	105
11	Synchronization in a system of globally coupled oscillators with time delay. <i>Physical Review E</i> , 2000, 61, 371-381.	2.1	103
12	Kondo effects in carbon nanotubes: From SU(4) to SU(2) symmetry. <i>Physical Review B</i> , 2006, 74, .	3.2	85
13	A molecular dynamics computer simulation study of room-temperature ionic liquids. I. Equilibrium solvation structure and free energetics. <i>Journal of Chemical Physics</i> , 2005, 122, 044510.	3.0	84
14	Collective synchronization in spatially extended systems of coupled oscillators with random frequencies. <i>Physical Review E</i> , 2005, 72, 036217.	2.1	82
15	Solvation, Solute Rotation and Vibration Relaxation, and Electron-Transfer Reactions in Room-Temperature Ionic Liquids. <i>Accounts of Chemical Research</i> , 2007, 40, 1130-1137.	15.6	78
16	Stability and Ensemble Inequivalence in a Globally Coupled System. <i>Physical Review Letters</i> , 2003, 91, 124101.	7.8	73
17	Comment on "Eising model on a small world network". <i>Physical Review E</i> , 2002, 66, 018101.	2.1	69
18	Size Distribution of Mouse Langerhans Islets. <i>Biophysical Journal</i> , 2007, 93, 2655-2666.	0.5	69

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19	Critical behavior of pure and diluted XY models with uniform frustrations. <i>Physical Review B</i> , 1985, 32, 5773-5775.	3.2	62
20	Modification of the gravity model and application to the metropolitan Seoul subway system. <i>Physical Review E</i> , 2012, 86, 026102.	2.1	59
21	Effects of Solute Electronic Polarizability on Solvation in a Room-Temperature Ionic Liquid. <i>Journal of Physical Chemistry B</i> , 2007, 111, 4920-4925.	2.6	53
22	Dynamic behavior of nonlinear networks. <i>Physical Review A</i> , 1983, 28, 1204-1206.	2.5	50
23	Fragility, Stokes-Einstein violation, and correlated local excitations in a coarse-grained model of an ionic liquid. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 2001.	2.8	48
24	Optimization by multicanonical annealing and the traveling salesman problem. <i>Physical Review E</i> , 1994, 50, R651-R654.	2.1	42
25	Positional disorder in a Josephson-junction array. <i>Physical Review B</i> , 1987, 35, 1669-1675.	3.2	37
26	How Noise and Coupling Induce Bursting Action Potentials in Pancreatic β -Cells. <i>Biophysical Journal</i> , 2005, 89, 1534-1542.	0.5	37
27	Digital dynamics and the simulation of magnetic systems. <i>Physical Review B</i> , 1983, 28, 2547-2554.	3.2	36
28	Glassy phase in an array of Josephson junctions. <i>Physical Review B</i> , 1987, 35, 7109-7112.	3.2	36
29	Double stochastic resonance peaks in systems with dynamic phase transitions. <i>Europhysics Letters</i> , 2001, 56, 333-339.	2.0	36
30	Rotational dynamics of a diatomic solute in the room-temperature ionic liquid 1-ethyl-3-methylimidazolium hexafluorophosphate. <i>Journal of Chemical Physics</i> , 2006, 125, 061102.	3.0	36
31	Spontaneous current and voltage via Aharonov-Casher effect. <i>Physical Review Letters</i> , 1993, 71, 2987-2990.	7.8	35
32	Inertia effects on periodic synchronization in a system of coupled oscillators. <i>Physical Review E</i> , 1999, 59, 353-363.	2.1	33
33	Network marketing on a small-world network. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2006, 360, 493-504.	2.6	33
34	Quantum phase transitions in Josephson-junction chains. <i>Physical Review B</i> , 1998, 57, R716-R719.	3.2	32
35	Dynamic Model of Neural Networks. <i>Physical Review Letters</i> , 1988, 61, 2809-2812.	7.8	30
36	Periodic synchronization in a driven system of coupled oscillators. <i>Physical Review E</i> , 1994, 49, 3825-3832.	2.1	29

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37	Traffic flow and 1/f fluctuations. <i>Physical Review E</i> , 1995, 52, 5979-5984.	2.1	29
38	Arrays of resistively shunted Josephson junctions in magnetic fields. <i>Physical Review B</i> , 1993, 48, 322-332.	3.2	28
39	Granular relaxation under tapping and the traffic problem. <i>Physical Review E</i> , 1994, 50, 4123-4135.	2.1	28
40	Modeling stock return distributions with a quantum harmonic oscillator. <i>Europhysics Letters</i> , 2017, 120, 38003.	2.0	28
41	Phase ordering on small-world networks with nearest-neighbor edges. <i>Physical Review E</i> , 2002, 65, 047104.	2.1	27
42	Quantum Hall effect in ideal superconducting arrays at zero temperature. <i>Physical Review B</i> , 1994, 50, 10088-10091.	3.2	26
43	Phase synchronization and noise-induced resonance in systems of coupled oscillators. <i>Physical Review E</i> , 2000, 62, 6462-6468.	2.1	26
44	Nature of time in Monte Carlo processes. <i>Physical Review B</i> , 1984, 29, 2796-2798.	3.2	25
45	Topological invariance of superconducting arrays. <i>Physical Review B</i> , 1992, 46, 564-566.	3.2	25
46	Collective phase synchronization in locally coupled limit-cycle oscillators. <i>Physical Review E</i> , 2004, 70, 045204.	2.1	25
47	How skew distributions emerge in evolving systems. <i>Europhysics Letters</i> , 2009, 85, 30006.	2.0	25
48	Josephson arrays in an incommensurate magnetic field. <i>Physical Review B</i> , 1985, 32, 7532-7534.	3.2	24
49	Quantum fluctuations in superconducting arrays. <i>Physical Review B</i> , 1990, 41, 111-116.	3.2	24
50	Cotunneling Transport and Quantum Phase Transitions in Coupled Josephson-Junction Chains with Charge Frustration. <i>Physical Review Letters</i> , 1998, 81, 4240-4243.	7.8	24
51	Stochastic resonance in the driven Ising model on small-world networks. <i>Physical Review E</i> , 2002, 66, 011107.	2.1	24
52	Quantum and classical diffusion on small-world networks. <i>Physical Review B</i> , 2003, 68, .	3.2	24
53	Consumer referral in a small world network. <i>Social Networks</i> , 2006, 28, 232-246.	2.1	24
54	Model for Twitter dynamics: Public attention and time series of tweeting. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014, 404, 142-149.	2.6	24

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55	Synchronization in a network of neuronal oscillators with finite storage capacity. <i>Physical Review E</i> , 1995, 52, 2907-2911.	2.1	23
56	Noise effects on synchronization in systems of coupled oscillators. <i>Journal of Physics A</i> , 1999, 32, L9-L15.	1.6	23
57	Phase transition in the Ising model on a small-world network with distance-dependent interactions. <i>Physical Review E</i> , 2003, 68, 027101.	2.1	23
58	Phase transition in the two-dimensional gauge glass. <i>Physical Review B</i> , 1999, 60, 4070-4073.	3.2	22
59	Quantum fluctuations in superconducting arrays with a general capacitance matrix. <i>Physical Review B</i> , 1995, 52, 3624-3631.	3.2	21
60	Synchronization in networks of superconducting wires. <i>Physical Review B</i> , 1997, 56, 387-394.	3.2	21
61	Beneficial effects of intercellular interactions between pancreatic islet cells in blood glucose regulation. <i>Journal of Theoretical Biology</i> , 2009, 257, 312-319.	1.7	21
62	Emergence of skew distributions in controlled growth processes. <i>Physical Review E</i> , 2010, 82, 061115.	2.1	21
63	Collective excitations and retarded interactions. <i>Physical Review B</i> , 1985, 31, 2862-2866.	3.2	20
64	Spontaneous phase oscillation induced by inertia and time delay. <i>Physical Review E</i> , 2002, 65, 026208.	2.1	20
65	How complexity emerges in urban systems: Theory of urban morphology. <i>Physical Review E</i> , 2016, 93, 052309.	2.1	19
66	Intrinsic Finite-Size Effects in the Two-Dimensional XY Model with Irrational Frustration. <i>Physical Review Letters</i> , 2000, 85, 3484-3487.	7.8	18
67	$1/\omega$ spectrum and memory function analysis of solvation dynamics in a room-temperature ionic liquid. <i>Journal of Chemical Physics</i> , 2008, 128, 174504.	3.0	18
68	Emergence of Criticality in the Transportation Passenger Flow: Scaling and Renormalization in the Seoul Bus System. <i>PLoS ONE</i> , 2014, 9, e89980.	2.5	18
69	Anomalous relaxation in the XY gauge glass. <i>Physical Review B</i> , 1997, 56, 6007-6012.	3.2	17
70	Fluctuation effects on critical behavior of Josephson-junction arrays. <i>Physical Review B</i> , 1985, 32, 7173-7178.	3.2	16
71	Weibull-type limiting distribution for replicative systems. <i>Physical Review E</i> , 2011, 83, 031123.	2.1	16
72	Accessibility Measurement in Transportation Networks and Application to the Seoul Bus System. <i>Geographical Analysis</i> , 2019, 51, 339-353.	3.5	16

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73	Mathematical model for glucose regulation in the whole-body system. <i>Islets</i> , 2012, 4, 84-93.	1.8	15
74	A model for the receptive field of retinal ganglion cells. <i>Neural Networks</i> , 2014, 49, 51-58.	5.9	15
75	Phase transitions in a dynamic model of neural networks. <i>Physical Review A</i> , 1991, 43, 1079-1089.	2.5	14
76	Conformational Dynamics and Ligand Binding in the Multi-Domain Protein PDC109. <i>PLoS ONE</i> , 2010, 5, e9180.	2.5	14
77	Master equation approach to the intra-urban passenger flow and application to the Metropolitan Seoul Subway system. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2011, 44, 115007.	2.1	14
78	Autophagy mediates phase transitions from cell death to life. <i>Heliyon</i> , 2015, 1, e00027.	3.2	14
79	Double transitions in the fully frustrated XY model. <i>Physical Review B</i> , 1997, 55, 14088-14091.	3.2	13
80	Potts-glass model of layered feedforward neural networks. <i>Physical Review A</i> , 1992, 45, 1238-1248.	2.5	12
81	Dual Aharonov-Casher effect and persistent dipole current. <i>Physical Review B</i> , 1995, 52, 7838-7840.	3.2	12
82	Comment on "Glassiness in a Model without Energy Barriers". <i>Physical Review Letters</i> , 1996, 76, 4648-4648.	7.8	12
83	Quantum phase transitions in superconducting arrays with general capacitance matrices. <i>Physical Review B</i> , 1997, 56, 395-409.	3.2	12
84	Optimal size of a complex network. <i>Physical Review E</i> , 2003, 67, 046101.	2.1	12
85	Computational modeling of the effects of autophagy on amyloid- β^2 peptide levels. <i>Theoretical Biology and Medical Modelling</i> , 2020, 17, 2.	2.1	12
86	Sleepless in Seoul: "The Ant and the Metrohopper". <i>Journal of the Korean Physical Society</i> , 2010, 57, 823-825.	0.7	12
87	Phase transition in superconducting arrays with external currents. <i>Physical Review B</i> , 1991, 44, 10411-10413.	3.2	11
88	Synchronization and resonance in a driven system of coupled oscillators. <i>Physical Review E</i> , 1999, 60, 4014-4020.	2.1	11
89	Spatiotemporal stochastic resonance in fully frustrated Josephson ladders. <i>Physical Review B</i> , 2001, 63, .	3.2	11
90	Netons: vibrations of complex networks. <i>Journal of Physics A</i> , 2003, 36, 6329-6336.	1.6	11

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91	Dynamic transition and Shapiro-step melting in a frustrated Josephson-junction array. <i>Physical Review B</i> , 2004, 69, .	3.2	11
92	Dynamics of macroautophagy: Modeling and oscillatory behavior. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2012, 391, 686-692.	2.6	11
93	Dynamics of analyst forecasts and emergence of complexity: Role of information disparity. <i>PLoS ONE</i> , 2017, 12, e0177071.	2.5	11
94	Phase transition in the XYgauge glass. <i>Physical Review B</i> , 1995, 51, 16211-16219.	3.2	10
95	Dynamic transition and resonance in current-driven arrays of Josephson junctions. <i>Physical Review B</i> , 2002, 66, .	3.2	10
96	Relaxation and coarsening dynamics in superconducting arrays. <i>Physical Review B</i> , 2003, 67, .	3.2	10
97	Spontaneous organization of the cortical structure through endogenous neural firing and gap junction transmission. <i>Neural Networks</i> , 2012, 31, 46-52.	5.9	10
98	Origin of the spike-timingâ€“dependent plasticity rule. <i>Europhysics Letters</i> , 2016, 115, 38001.	2.0	10
99	Topological interpretation of subharmonic mode locking in coupled oscillators with inertia. <i>Physical Review B</i> , 2001, 64, .	3.2	9
100	Frequency resonance in Josephson-junction arrays driven by high alternating currents. <i>Physical Review B</i> , 2003, 68, .	3.2	9
101	Glucose metabolism and oscillatory behavior of pancreatic islets. <i>Physical Review E</i> , 2005, 72, 051905.	2.1	9
102	Dynamic critical behaviors in two-dimensional Josephson junction arrays with positional disorder. <i>Physical Review B</i> , 2006, 74, .	3.2	9
103	Equalization of Synaptic Efficacy by Synchronous Neural Activity. <i>Physical Review Letters</i> , 2007, 99, 208102.	7.8	9
104	Emergent topologies in activity-dependent self-organizing networks. <i>Europhysics Letters</i> , 2011, 95, 58005.	2.0	9
105	Mathematical models for insulin secretion in pancreatic β^2 -cells. <i>Islets</i> , 2012, 4, 94-107.	1.8	9
106	Finite-temperature phase transitions in the ionic Hubbard model. <i>Physical Review B</i> , 2014, 89, .	3.2	9
107	Discriminating between Weibull distributions and log-normal distributions emerging in branching processes. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2014, 47, 225101.	2.1	9
108	Quantitative indices of autophagy activity from minimal models. <i>Theoretical Biology and Medical Modelling</i> , 2014, 11, 31.	2.1	9

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109	Cryptocurrency: Not far from equilibrium. <i>Technological Forecasting and Social Change</i> , 2022, 177, 121424.	11.6	9
110	Glass behavior of superconducting arrays: Novel finite-size effects. <i>Physical Review B</i> , 1989, 40, 5147-5150.	3.2	8
111	Novel transition between critical and localized states in a one-dimensional quasiperiodic system. <i>Physical Review B</i> , 1989, 40, 2581-2584.	3.2	8
112	Dynamic model of neural networks with asymmetric diluted couplings. <i>Physical Review A</i> , 1990, 41, 7062-7065.	2.5	8
113	Subharmonic structure of Shapiro steps in frustrated superconducting arrays. <i>Physical Review B</i> , 1995, 52, 13536-13546.	3.2	8
114	Quantum phase transitions and persistent currents in Josephson-junction ladders. <i>Physical Review B</i> , 2003, 68, .	3.2	8
115	Slow relaxation in the Ising model on a small-world network with strong long-range interactions. <i>Physical Review E</i> , 2005, 71, 036103.	2.1	8
116	Mathematical model of the glucose-insulin regulatory system: From the bursting electrical activity in pancreatic β -cells to the glucose dynamics in the whole body. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2012, 376, 3150-3157.	2.1	8
117	A dynamical model for the stick-slip behaviour of faults. <i>Journal of Physics C: Solid State Physics</i> , 1984, 17, L673-L677.	1.5	7
118	Quantum diffusion in the generalized Harper equation. <i>Journal of Physics A</i> , 1998, 31, 1353-1364.	1.6	7
119	Brain networks: Graph theoretical analysis and development models. <i>International Journal of Imaging Systems and Technology</i> , 2010, 20, 108-116.	4.1	7
120	General solution of the Black-Scholes boundary-value problem. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 509, 546-550.	2.6	7
121	Characterization of dynamics and information processing of integrate-and-fire neuron models. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2021, 54, 445601.	2.1	7
122	Dissipation effects on superconducting arrays. <i>Physical Review B</i> , 1990, 42, 80-86.	3.2	6
123	Capacitively coupled Josephson-junction chains: straight versus slanted coupling. <i>Journal of Physics Condensed Matter</i> , 2000, 12, 943-957.	1.8	6
124	Noise-enhanced temporal association in neural networks. <i>Physical Review E</i> , 2002, 65, 036114.	2.1	6
125	Dynamic transitions and resonances in Josephson-junction arrays under oscillating magnetic fields. <i>Physical Review B</i> , 2002, 65, .	3.2	6
126	Exact quantum description of the Aharonov-Bohm effect. <i>Current Applied Physics</i> , 2004, 4, 267-271.	2.4	6

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127	Dynamic characteristics of tweeting and tweet topics. Journal of the Korean Physical Society, 2012, 60, 590-594.	0.7	6
128	Emergence of heavy-tailed skew distributions from the heat equation. Physica A: Statistical Mechanics and Its Applications, 2017, 470, 88-93.	2.6	6
129	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
130	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
131	Phase transitions of a quasiperiodic Josephson-junction array in magnetic fields. Physical Review B, 1988, 38, 11476-11480.	3.2	5
132	Bloch oscillation and topological quantization. Physical Review B, 1994, 50, 13875-13878.	3.2	5
133	Entropic sampling and natural selection in biological evolution. Journal of Physics A, 1997, 30, L749-L755.	1.6	5
134	Quantum phase transitions in superconducting arrays under external magnetic fields. Physical Review B, 1998, 58, 14524-14530.	3.2	5
135	Temporal association in a network of neuronal oscillators. Journal of Physics A, 2001, 34, 5021-5031.	1.6	5
136	Dynamic model of fiber bundles. Europhysics Letters, 2004, 66, 62-68.	2.0	5
137	Dynamic model for failures in biological systems. Europhysics Letters, 2005, 71, 501-507.	2.0	5
138	Scale-free dynamics emerging from information transfer. Europhysics Letters, 2005, 69, 503-509.	2.0	5
139	Dynamics of interval fragmentation and asymptotic distributions. Journal of Physics A: Mathematical and Theoretical, 2013, 46, 225002.	2.1	5
140	Information-sharing tendency on Twitter and time evolution of tweeting. Europhysics Letters, 2013, 101, 58004.	2.0	5
141	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
142	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
143	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
144	Spatiotemporal distributions of population in Seoul: joint influence of ridership and accessibility of the subway system. EPJ Data Science, 2021, 10, .	2.8	5

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145	The dissipative effects on stochasticity of the nonlinear oscillator. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1982, 89, 1-3.	2.1	4
146	Devil's Staircase in a Fully Frustrated Superconducting Array. <i>Europhysics Letters</i> , 1993, 23, 217-222.	2.0	4
147	Optimal storage capacity of neural networks at finite temperatures. <i>Journal of Physics A</i> , 1993, 26, 3741-3755.	1.6	4
148	Langevin dynamics, scale invariance, and granular flows. <i>Physical Review E</i> , 1993, 47, 137-142.	2.1	4
149	Stability of thermodynamic and dynamical order in a system of globally coupled rotors. <i>Journal of Physics A</i> , 2005, 38, 5659-5675.	1.6	4
150	Modulation of the boundary between hierarchically differentiated domains in a self-organizing neural system. <i>Europhysics Letters</i> , 2013, 101, 48004.	2.0	4
151	Emergent incommensurate correlations in frustrated ferromagnetic spin-1 chains. <i>Physical Review B</i> , 2017, 95, .	3.2	4
152	Predicting Energy Expenditure During Gradient Walking With a Foot Monitoring Device: Model-Based Approach. <i>JMIR MHealth and UHealth</i> , 2019, 7, e12335.	3.7	4
153	Systems of pancreatic beta-cells and glucose regulation. <i>Frontiers in Bioscience - Landmark</i> , 2008, Volume, 6421.	3.0	4
154	Behavioral Dynamics of Pedestrians Crossing between Two Moving Vehicles. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 859.	2.5	4
155	Synaptic noise in neural networks at finite temperatures. <i>Journal of Physics A</i> , 1993, 26, 3697-3705.	1.6	3
156	Fractional periods of persistent currents in frustrated systems. <i>Physical Review B</i> , 1995, 52, 13769-13772.	3.2	3
157	Frustration effects on supercurrents in annular arrays of superconductors. <i>Physical Review B</i> , 1997, 56, 2368-2371.	3.2	3
158	Renormalization-group study of gate charge effects in Josephson-junction chains. <i>Physical Review B</i> , 2001, 63, .	3.2	3
159	Health status and resonance in a model for living organisms under periodic stress and healing. <i>Physical Review E</i> , 2006, 73, 031905.	2.1	3
160	Criticality in the dynamic failure model. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2008, 41, 145101.	2.1	3
161	DYNAMIC TRANSITION AND RESONANCE IN COUPLED OSCILLATORS UNDER SYMMETRY-BREAKING FIELDS. <i>International Journal of Modern Physics B</i> , 2013, 27, 1350062.	2.0	3
162	Generalized hydromechanical model for stomatal responses to hydraulic perturbations. <i>Journal of Theoretical Biology</i> , 2014, 340, 119-130.	1.7	3

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163	General method to solve the heat equation. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 444, 530-537.	2.6	3
164	Phase transitions and relaxation dynamics of Ising models exchanging particles. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 466, 166-179.	2.6	3
165	Numerical study of entrainment of the human circadian system and recovery by light treatment. <i>Theoretical Biology and Medical Modelling</i> , 2018, 15, 5.	2.1	3
166	Statistical properties of human activity and criticality in active behavior. <i>Europhysics Letters</i> , 2019, 126, 68001.	2.0	3
167	Response Theory of Spiking Neural Networks. <i>Journal of the Korean Physical Society</i> , 2020, 77, 168-176.	0.7	3
168	Hub-Periphery Hierarchy in Bus Transportation Networks: Gini Coefficients and the Seoul Bus System. <i>Sustainability</i> , 2020, 12, 7297.	3.2	3
169	Failure of Arm Movement Control in Stroke Patients, Characterized by Loss of Complexity. <i>PLoS ONE</i> , 2015, 10, e0141996.	2.5	3
170	The structural aspects of neural dynamics and information flow. <i>Frontiers in Bioscience</i> , 2022, 27, 1.	2.1	3
171	Phase transitions of frustrated XY models on deformed square lattices. <i>Physical Review B</i> , 1988, 37, 7569-7574.	3.2	2
172	Domain-wall pinning in the incommensurate phase of sodium nitrite. <i>Physical Review B</i> , 1988, 37, 5874-5876.	3.2	2
173	Statistical-mechanical formulation of the Willshaw model with local inhibition. <i>Physical Review A</i> , 1991, 43, 7012-7018.	2.5	2
174	Triangular superconducting array with a quarter of the flux quantum per plaquette. <i>Physical Review B</i> , 1992, 46, 1240-1243.	3.2	2
175	Current responses and voltage fluctuations in Josephson-junction systems. <i>Europhysics Letters</i> , 1998, 43, 439-444.	2.0	2
176	Temporal association in neural networks at finite temperatures. <i>Physical Review E</i> , 1998, 58, 7761-7768.	2.1	2
177	Topological quantization and degeneracy in Josephson-junction arrays. <i>Physical Review B</i> , 2001, 63, .	3.2	2
178	Quantum and frustration effects on fluctuations of the inverse compressibility in two-dimensional Coulomb glasses. <i>Physical Review B</i> , 2002, 66, .	3.2	2
179	Phase transitions in models for coupled charge-density waves. <i>Physical Review B</i> , 2004, 69, .	3.2	2
180	Correspondences and quantum description of Aharonovâ€™Bohm and Aharonovâ€™Casher effects. <i>Journal of Physics A</i> , 2004, 37, 973-988.	1.6	2

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181	Critical currents for vortex defect motion in superconducting arrays. <i>Physical Review B</i> , 2005, 71, .	3.2	2
182	Collective oscillations, bicluster motion, and dynamical order in a system of globally coupled rotors with repulsive interactions. <i>Physical Review E</i> , 2006, 74, 056106.	2.1	2
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