

MooYoung Choi

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

223
papers

4,191
citations

31
h-index

57
g-index

233
ext. papers

4,487
ext. citations

3
avg. IF

5.34
L-index

#	Paper	IF	Citations
223	The structural aspects of neural dynamics and information flow.. <i>Frontiers in Bioscience</i> , 2022 , 27, 15		0
222	Cryptocurrency: Not far from equilibrium. <i>Technological Forecasting and Social Change</i> , 2022 , 177, 121424	4.5	1
221	Ontological Revision and Quantum Mechanics. <i>Results in Physics</i> , 2022 , 33, 105159	3.7	
220	Spatial distributions of restaurants emerging from pedestrian behavior and online information sharing. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2022 , 597, 127265	3.3	
219	Spatiotemporal behaviors of the ridership of a public transportation system during an epidemic outbreak: case of MERS in Seoul. <i>Journal of the Korean Physical Society</i> , 2021 , 1-9	0.6	
218	Characterization of multiscale logic operations in the neural circuits. <i>Frontiers in Bioscience</i> , 2021 , 26, 723-739		1
217	A least action principle for interceptive walking. <i>Scientific Reports</i> , 2021 , 11, 2198	4.9	
216	Spatiotemporal distributions of population in Seoul: joint influence of ridership and accessibility of the subway system. <i>EPJ Data Science</i> , 2021 , 10,	3.4	2
215	A neural network model based on the cortical modularity. <i>Journal of the Korean Physical Society</i> , 2021 , 79, 772	0.6	0
214	Hub-Periphery Hierarchy in Bus Transportation Networks: Gini Coefficients and the Seoul Bus System. <i>Sustainability</i> , 2020 , 12, 7297	3.6	3
213	Computational modeling of the effects of autophagy on amyloid- β peptide levels. <i>Theoretical Biology and Medical Modelling</i> , 2020 , 17, 2	2.3	5
212	Using a Virtual Reality Walking Simulator to Investigate Pedestrian Behavior. <i>Journal of Visualized Experiments</i> , 2020 ,	1.6	1
211	Generalized maximal entropy argument for the gravity law in human mobility. <i>Europhysics Letters</i> , 2020 , 132, 48001	1.6	2
210	Distribution of the coalescence times in a system of diffusion-aggregation of particle clusters in one dimension. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2020 , 53, 505004	2	
209	Behavioral Dynamics of Pedestrians Crossing between Two Moving Vehicles. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 859	2.6	2
208	Grand canonical description of equilibrium and non-equilibrium systems using spin formalism. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020 , 558, 124983	3.3	
207	Response Theory of Spiking Neural Networks. <i>Journal of the Korean Physical Society</i> , 2020 , 77, 168-176	0.6	2

206	Limited coagulation-diffusion dynamics in inflating spaces. <i>European Physical Journal B</i> , 2020 , 93, 1	1.2	
205	General solutions of the heat equation. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020 , 539, 122914	3.3	1
204	Accessibility Measurement in Transportation Networks and Application to the Seoul Bus System. <i>Geographical Analysis</i> , 2019 , 51, 339-353	2.9	12
203	Statistical properties of human activity and criticality in active behavior. <i>Europhysics Letters</i> , 2019 , 126, 68001	1.6	2
202	Predicting Energy Expenditure During Gradient Walking With a Foot Monitoring Device: Model-Based Approach. <i>JMIR MHealth and UHealth</i> , 2019 , 7, e12335	5.5	2
201	Fractionalized Edge Spins and Boundary Conditions in Frustrated Ferromagnetic Quantum Spin Chains. <i>Journal of the Korean Physical Society</i> , 2019 , 75, 929-934	0.6	
200	Effects of Janus Oscillators in the Kuramoto Model with Positive and Negative Couplings. <i>Journal of the Korean Physical Society</i> , 2019 , 75, 443-447	0.6	2
199	Interaction Effects on the Size Distribution in a Growth Model. <i>Journal of the Korean Physical Society</i> , 2018 , 72, 327-334	0.6	1
198	Traveling Speed of Clusters in the Kuramoto-Sakaguchi Model. <i>Journal of the Korean Physical Society</i> , 2018 , 72, 342-347	0.6	2
197	Numerical study of entrainment of the human circadian system and recovery by light treatment. <i>Theoretical Biology and Medical Modelling</i> , 2018 , 15, 5	2.3	2
196	Generalized formulation of free energy and application to photosynthesis. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018 , 493, 125-134	3.3	0
195	Density distribution in two Ising systems with particle exchange. <i>European Physical Journal B</i> , 2018 , 91, 1	1.2	1
194	General solution of the Black-Scholes boundary-value problem. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018 , 509, 546-550	3.3	5
193	Emergence of heavy-tailed skew distributions from the heat equation. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017 , 470, 88-93	3.3	4
192	COEXISTENCE OF THREE OSCILLATORY MODES OF INSULIN SECRETION: MATHEMATICAL MODELING AND RELEVANCE TO GLUCOSE REGULATION. <i>Journal of Biological Systems</i> , 2017 , 25, 341-368	1.6	1
191	Emergent incommensurate correlations in frustrated ferromagnetic spin-1 chains. <i>Physical Review B</i> , 2017 , 95,	3.3	4
190	Time evolution of entropy in a growth model: Dependence on the description. <i>Journal of the Korean Physical Society</i> , 2017 , 70, 12-21	0.6	6
189	Phase transitions and relaxation dynamics of Ising models exchanging particles. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017 , 466, 166-179	3.3	3

188	Modeling stock return distributions with a quantum harmonic oscillator. <i>Europhysics Letters</i> , 2017 , 120, 38003	1.6	16
187	Dynamics of analyst forecasts and emergence of complexity: Role of information disparity. <i>PLoS ONE</i> , 2017 , 12, e0177071	3.7	6
186	How complexity emerges in urban systems: Theory of urban morphology. <i>Physical Review E</i> , 2016 , 93, 052309	2.4	14
185	General method to solve the heat equation. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016 , 444, 530-537	3.3	2
184	Origin of the spike-timing-dependent plasticity rule. <i>Europhysics Letters</i> , 2016 , 115, 38001	1.6	8
183	Synaptotagmin-1 binds to PIP(2)-containing membrane but not to SNAREs at physiological ionic strength. <i>Nature Structural and Molecular Biology</i> , 2015 , 22, 815-23	17.6	66
182	Autophagy mediates phase transitions from cell death to life. <i>Heliyon</i> , 2015 , 1, e00027	3.6	13
181	Traveling cluster pairs in a system of phase oscillators with positive and negative couplings under a periodic driving field. <i>Journal of the Korean Physical Society</i> , 2015 , 67, 1524-1528	0.6	1
180	Failure of Arm Movement Control in Stroke Patients, Characterized by Loss of Complexity. <i>PLoS ONE</i> , 2015 , 10, e0141996	3.7	2
179	Estimate of the phase transition line in the infinite-dimensional Hubbard model. <i>Journal of the Korean Physical Society</i> , 2014 , 64, 268-276	0.6	3
178	A model for the receptive field of retinal ganglion cells. <i>Neural Networks</i> , 2014 , 49, 51-8	9.1	9
177	Quantitative indices of autophagy activity from minimal models. <i>Theoretical Biology and Medical Modelling</i> , 2014 , 11, 31	2.3	9
176	Emergence of criticality in the transportation passenger flow: scaling and renormalization in the Seoul bus system. <i>PLoS ONE</i> , 2014 , 9, e89980	3.7	13
175	COMPUTER SIMULATIONS UNVEIL THE DYNAMICS OF AUTOPHAGY AND ITS IMPLICATIONS FOR THE CELLULAR QUALITY CONTROL. <i>Journal of Biological Systems</i> , 2014 , 22, 659-675	1.6	5
174	Finite-temperature phase transitions in the ionic Hubbard model. <i>Physical Review B</i> , 2014 , 89,	3.3	6
173	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	8
172	On the dynamics of traveling phase-oscillators with positive and negative couplings. <i>Journal of the Korean Physical Society</i> , 2014 , 65, 1738-1742	0.6	5
171	Generalized hydromechanical model for stomatal responses to hydraulic perturbations. <i>Journal of Theoretical Biology</i> , 2014 , 340, 119-30	2.3	1

170	Model for Twitter dynamics: Public attention and time series of tweeting. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014 , 404, 142-149	3.3	16
169	Driving distributions and periodic synchronization-desynchronization in driven phase oscillators. <i>Journal of the Korean Physical Society</i> , 2014 , 64, 11-15	0.6	2
168	Dynamics of interval fragmentation and asymptotic distributions. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2013 , 46, 225002	2	4
167	Modulation of the boundary between hierarchically differentiated domains in a self-organizing neural system. <i>Europhysics Letters</i> , 2013 , 101, 48004	1.6	3
166	Information-sharing tendency on Twitter and time evolution of tweeting. <i>Europhysics Letters</i> , 2013 , 101, 58004	1.6	4
165	Information exchange dynamics of the two-dimensional XY model. <i>Physical Review E</i> , 2013 , 88, 052134	2.4	1
164	DYNAMIC TRANSITION AND RESONANCE IN COUPLED OSCILLATORS UNDER SYMMETRY-BREAKING FIELDS. <i>International Journal of Modern Physics B</i> , 2013 , 27, 1350062	1.1	3
163	Spontaneous organization of the cortical structure through endogenous neural firing and gap junction transmission. <i>Neural Networks</i> , 2012 , 31, 46-52	9.1	9
162	Dynamics of macroautophagy: Modeling and oscillatory behavior. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2012 , 391, 686-692	3.3	10
161	Mathematical models for insulin secretion in pancreatic β cells. <i>Islets</i> , 2012 , 4, 94-107	2	8
160	Mathematical model for glucose regulation in the whole-body system. <i>Islets</i> , 2012 , 4, 84-93	2	11
159	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	2.3	6
158	Dynamic characteristics of tweeting and tweet topics. <i>Journal of the Korean Physical Society</i> , 2012 , 60, 590-594	0.6	5
157	How cells grow and divide: mathematical analysis confirms demand for the cell cycle. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2012 , 45, 135101	2	1
156	Modification of the gravity model and application to the metropolitan Seoul subway system. <i>Physical Review E</i> , 2012 , 86, 026102	2.4	47
155	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	11
154	Emergent topologies in activity-dependent self-organizing networks. <i>Europhysics Letters</i> , 2011 , 95, 58005.6	5.6	8
153	Weibull-type limiting distribution for replicative systems. <i>Physical Review E</i> , 2011 , 83, 031123	2.4	14

152	Phase transitions in confined water nanofilms. <i>Nature Physics</i> , 2010 , 6, 685-689	16.2	229
151	Conformational dynamics and ligand binding in the multi-domain protein PDC109. <i>PLoS ONE</i> , 2010 , 5, e9180	3.7	12
150	Range of shortcuts in the dynamic model of neural networks. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2010 , 43, 205001	2	1
149	Comment on "Dynamical phase transition of a one-dimensional transport process including death". <i>Physical Review E</i> , 2010 , 82, 013101	2.4	1
148	Emergence of skew distributions in controlled growth processes. <i>Physical Review E</i> , 2010 , 82, 061115	2.4	18
147	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, 2001-10	3.6	45
146	Reply to the Comment by A. Gadomski. <i>Europhysics Letters</i> , 2010 , 89, 40003	1.6	
145	Brain networks: Graph theoretical analysis and development models. <i>International Journal of Imaging Systems and Technology</i> , 2010 , 20, 108-116	2.5	6
144	Sleepless in Seoul: \square The Ant and the Metrohopper \square . <i>Journal of the Korean Physical Society</i> , 2010 , 57, 823-825	0.6	11
143	Connectivity effects in the dynamic model of neural networks. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2009 , 42, 205003	2	2
142	How skew distributions emerge in evolving systems. <i>Europhysics Letters</i> , 2009 , 85, 30006	1.6	21
141	Beneficial effects of intercellular interactions between pancreatic islet cells in blood glucose regulation. <i>Journal of Theoretical Biology</i> , 2009 , 257, 312-9	2.3	18
140	Functional Organization for Direction Preference in Relation to Orientation and Ocular Dominance Maps. <i>Journal of the Korean Physical Society</i> , 2009 , 55, 2532-2536	0.6	5
139	1f spectrum and memory function analysis of solvation dynamics in a room-temperature ionic liquid. <i>Journal of Chemical Physics</i> , 2008 , 128, 174504	3.9	16
138	Effects of neuronal loss in the dynamic model of neural networks. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2008 , 41, 385102	2	1
137	Criticality in the dynamic failure model. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2008 , 41, 145101	1	3
136	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	3.3	104
135	Systems of pancreatic beta-cells and glucose regulation. <i>Frontiers in Bioscience - Landmark</i> , 2008 , 13, 6421-31	2.8	3

134	Effects of solute electronic polarizability on solvation in a room-temperature ionic liquid. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 4920-5	3.4	52
133	Solvation, solute rotation and vibration relaxation, and electron-transfer reactions in room-temperature ionic liquids. <i>Accounts of Chemical Research</i> , 2007 , 40, 1130-7	24.3	72
132	Size distribution of mouse Langerhans islets. <i>Biophysical Journal</i> , 2007 , 93, 2655-66	2.9	55
131	β-CELLS IN PANCREATIC ISLETS AND GLUCOSE REGULATION. <i>International Journal of Modern Physics B</i> , 2007 , 21, 4104-4110	1.1	
130	Construction of equilibrium networks with an energy function. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2007 , 40, 9723-9732	2	2
129	Equalization of synaptic efficacy by synchronous neural activity. <i>Physical Review Letters</i> , 2007 , 99, 208102	7.4	8
128	Noise effects on the health status in a dynamic failure model for living organisms. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2007 , 40, 3319-3328	2	1
127	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, 61102	3.9	34
126	Health status and resonance in a model for living organisms under periodic stress and healing. <i>Physical Review E</i> , 2006 , 73, 031905	2.4	3
125	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	2.4	2
124	Dynamic critical behaviors in two-dimensional Josephson junction arrays with positional disorder. <i>Physical Review B</i> , 2006 , 74,	3.3	9
123	Kondo effects in carbon nanotubes: From SU(4) to SU(2) symmetry. <i>Physical Review B</i> , 2006 , 74,	3.3	78
122	Defect motion and lattice pinning barriers in Josephson-junction ladders. <i>Physical Review B</i> , 2006 , 73,	3.3	1
121	Network marketing on a small-world network. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2006 , 360, 493-504	3.3	24
120	Consumer referral in a small world network. <i>Social Networks</i> , 2006 , 28, 232-246	3.9	17
119	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, 44510	3.9	79
118	How noise and coupling induce bursting action potentials in pancreatic {beta}-cells. <i>Biophysical Journal</i> , 2005 , 89, 1534-42	2.9	31
117	Dynamic model for failures in biological systems. <i>Europhysics Letters</i> , 2005 , 71, 501-507	1.6	4

116	Scale-free dynamics emerging from information transfer. <i>Europhysics Letters</i> , 2005 , 69, 503-509	1.6	5
115	Entropic sampling dynamics of the globally coupled kinetic Ising model. <i>Journal of Physics A</i> , 2005 , 38, 2115-2122		1
114	Stability of thermodynamic and dynamical order in a system of globally coupled rotors. <i>Journal of Physics A</i> , 2005 , 38, 5659-5675		3
113	Critical currents for vortex defect motion in superconducting arrays. <i>Physical Review B</i> , 2005 , 71,	3.3	2
112	Slow relaxation in the Ising model on a small-world network with strong long-range interactions. <i>Physical Review E</i> , 2005 , 71, 036103	2.4	5
111	Glucose metabolism and oscillatory behavior of pancreatic islets. <i>Physical Review E</i> , 2005 , 72, 051905	2.4	9
110	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, 44511	3.9	102
109	Collective synchronization in spatially extended systems of coupled oscillators with random frequencies. <i>Physical Review E</i> , 2005 , 72, 036217	2.4	65
108	Factors that predict better synchronizability on complex networks. <i>Physical Review E</i> , 2004 , 69, 067105	2.4	179
107	Phase transitions in models for coupled charge-density waves. <i>Physical Review B</i> , 2004 , 69,	3.3	2
106	Collective phase synchronization in locally coupled limit-cycle oscillators. <i>Physical Review E</i> , 2004 , 70, 045204	2.4	25
105	Dynamic transition and Shapiro-step melting in a frustrated Josephson-junction array. <i>Physical Review B</i> , 2004 , 69,	3.3	11
104	Dynamic model of fiber bundles. <i>Europhysics Letters</i> , 2004 , 66, 62-68	1.6	5
103	Exact quantum description of the Aharonov-Bohm effect. <i>Current Applied Physics</i> , 2004 , 4, 267-271	2.6	2
102	Correspondences and quantum description of Aharonov-Bohm and Aharonov-Casher effects. <i>Journal of Physics A</i> , 2004 , 37, 973-988		1
101	Netons: vibrations of complex networks. <i>Journal of Physics A</i> , 2003 , 36, 6329-6336		9
100	Phase transition in the Ising model on a small-world network with distance-dependent interactions. <i>Physical Review E</i> , 2003 , 68, 027101	2.4	20
99	Optimal size of a complex network. <i>Physical Review E</i> , 2003 , 67, 046101	2.4	11

98	Stability and ensemble inequivalence in a globally coupled system. <i>Physical Review Letters</i> , 2003 , 91, 124101	7.4	58
97	Relaxation and coarsening dynamics in superconducting arrays. <i>Physical Review B</i> , 2003 , 67,	3.3	9
96	Quantum phase transitions and persistent currents in Josephson-junction ladders. <i>Physical Review B</i> , 2003 , 68,	3.3	5
95	Frequency resonance in Josephson-junction arrays driven by high alternating currents. <i>Physical Review B</i> , 2003 , 68,	3.3	7
94	Solvation in molecular ionic liquids. <i>Journal of Chemical Physics</i> , 2003 , 119, 6411-6414	3.9	151
93	Quantum and classical diffusion on small-world networks. <i>Physical Review B</i> , 2003 , 68,	3.3	21
92	Slow relaxation in superconducting arrays. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2002 , 315, 255-266	3.3	0
91	Spontaneous phase oscillation induced by inertia and time delay. <i>Physical Review E</i> , 2002 , 65, 026208	2.4	17
90	Quantum and frustration effects on fluctuations of the inverse compressibility in two-dimensional Coulomb glasses. <i>Physical Review B</i> , 2002 , 66,	3.3	2
89	Stochastic resonance in the driven Ising model on small-world networks. <i>Physical Review E</i> , 2002 , 66, 011107	2.4	21
88	Noise-enhanced temporal association in neural networks. <i>Physical Review E</i> , 2002 , 65, 036114	2.4	5
87	Dynamic transitions and resonances in Josephson-junction arrays under oscillating magnetic fields. <i>Physical Review B</i> , 2002 , 65,	3.3	6
86	Phase ordering on small-world networks with nearest-neighbor edges. <i>Physical Review E</i> , 2002 , 65, 047104	2.4	25
85	Dynamic instabilities induced by asymmetric influence: prisoners dilemma game in small-world networks. <i>Physical Review E</i> , 2002 , 66, 021907	2.4	176
84	Dynamic transition and resonance in current-driven arrays of Josephson junctions. <i>Physical Review B</i> , 2002 , 66,	3.3	10
83	Comment on "Ising model on a small world network". <i>Physical Review E</i> , 2002 , 66, 018101	2.4	64
82	Synchronization on small-world networks. <i>Physical Review E</i> , 2002 , 65, 026139	2.4	314
81	Temporal association in a network of neuronal oscillators. <i>Journal of Physics A</i> , 2001 , 34, 5021-5031		5

80	Spatiotemporal stochastic resonance in fully frustrated Josephson ladders. <i>Physical Review B</i> , 2001 , 63,	3.3	11
79	Topological interpretation of subharmonic mode locking in coupled oscillators with inertia. <i>Physical Review B</i> , 2001 , 64,	3.3	8
78	Topological quantization and degeneracy in Josephson-junction arrays. <i>Physical Review B</i> , 2001 , 63,	3.3	2
77	Renormalization-group study of gate charge effects in Josephson-junction chains. <i>Physical Review B</i> , 2001 , 63,	3.3	3
76	XY model in small-world networks. <i>Physical Review E</i> , 2001 , 64, 056135	2.4	102
75	Double stochastic resonance peaks in systems with dynamic phase transitions. <i>Europhysics Letters</i> , 2001 , 56, 333-339	1.6	33
74	Capacitively coupled Josephson-junction chains: straight versus slanted coupling. <i>Journal of Physics Condensed Matter</i> , 2000 , 12, 943-957	1.8	5
73	Phase synchronization and noise-induced resonance in systems of coupled oscillators. <i>Physical Review E</i> , 2000 , 62, 6462-8	2.4	23
72	Intrinsic finite-size effects in the two-dimensional XY model with irrational frustration. <i>Physical Review Letters</i> , 2000 , 85, 3484-7	7.4	16
71	Synchronization in a system of globally coupled oscillators with time delay. <i>Physical Review E</i> , 2000 , 61, 371-81	2.4	93
70	Noise effects on synchronization in systems of coupled oscillators. <i>Journal of Physics A</i> , 1999 , 32, L9-L15		20
69	Inertia effects on periodic synchronization in a system of coupled oscillators. <i>Physical Review E</i> , 1999 , 59, 353-363	2.4	32
68	Synchronization and resonance in a driven system of coupled oscillators. <i>Physical Review E</i> , 1999 , 60, 4014-20	2.4	10
67	Phase transition in the two-dimensional gauge glass. <i>Physical Review B</i> , 1999 , 60, 4070-4073	3.3	21
66	Current responses and voltage fluctuations in Josephson-junction systems. <i>Europhysics Letters</i> , 1998 , 43, 439-444	1.6	2
65	Quantum diffusion in the generalized Harper equation. <i>Journal of Physics A</i> , 1998 , 31, 1353-1364		6
64	Quantum phase transitions in superconducting arrays under external magnetic fields. <i>Physical Review B</i> , 1998 , 58, 14524-14530	3.3	4
63	Quantum phase transitions in Josephson-junction chains. <i>Physical Review B</i> , 1998 , 57, R716-R719	3.3	28

62	Temporal association in neural networks at finite temperatures. <i>Physical Review E</i> , 1998 , 58, 7761-7768	2.4	2
61	Cotunneling Transport and Quantum Phase Transitions in Coupled Josephson-Junction Chains with Charge Frustration. <i>Physical Review Letters</i> , 1998 , 81, 4240-4243	7.4	21
60	Entropic sampling and natural selection in biological evolution. <i>Journal of Physics A</i> , 1997 , 30, L749-L755		5
59	Quantum phase transitions in superconducting arrays with general capacitance matrices. <i>Physical Review B</i> , 1997 , 56, 395-409	3.3	11
58	Anomalous relaxation in the XY gauge glass. <i>Physical Review B</i> , 1997 , 56, 6007-6012	3.3	16
57	Synchronization in networks of superconducting wires. <i>Physical Review B</i> , 1997 , 56, 387-394	3.3	21
56	Double transitions in the fully frustrated XY model. <i>Physical Review B</i> , 1997 , 55, 14088-14091	3.3	10
55	Frustration effects on supercurrents in annular arrays of superconductors. <i>Physical Review B</i> , 1997 , 56, 2368-2371	3.3	3
54	Fractional giant Shapiro resonances in frustrated systems driven by a time-dependent flux. <i>Europhysics Letters</i> , 1996 , 35, 457-462	1.6	1
53	Static and dynamic behaviors of the two-dimensional XY gauge glass. <i>European Physical Journal D</i> , 1996 , 46, 2279-2280		
52	Vortex state and quantization in superconducting arrays. <i>Physica B: Condensed Matter</i> , 1996 , 222, 358-363	3.8	1
51	Comment on "Glassiness in a model without energy barriers". <i>Physical Review Letters</i> , 1996 , 76, 4648	7.4	12
50	Persistent currents in annuli: effects of disorder and Coulomb interaction. <i>Journal of Physics Condensed Matter</i> , 1996 , 8, 4429-4440	1.8	1
49	Synchronization in a network of neuronal oscillators with finite storage capacity. <i>Physical Review E</i> , 1995 , 52, 2907-2911	2.4	21
48	Traffic flow and $1/f$ fluctuations. <i>Physical Review E</i> , 1995 , 52, 5979-5984	2.4	28
47	Quantum fluctuations in superconducting arrays with a general capacitance matrix. <i>Physical Review B</i> , 1995 , 52, 3624-3631	3.3	21
46	Dual Aharonov-Casher effect and persistent dipole current. <i>Physical Review B</i> , 1995 , 52, 7838-7840	3.3	11
45	Fractional periods of persistent currents in frustrated systems. <i>Physical Review B</i> , 1995 , 52, 13769-13773	3.3	3

44	Phase transition in the XY gauge glass. <i>Physical Review B</i> , 1995 , 51, 16211-16219	3.3	10
43	Subharmonic structure of Shapiro steps in frustrated superconducting arrays. <i>Physical Review B</i> , 1995 , 52, 13536-13546	3.3	8
42	Topological Quantization in Superconducting Arrays 1995 , 541-548		1
41	Optimization by multicanonical annealing and the traveling salesman problem. <i>Physical Review E</i> , 1994 , 50, R651-R654	2.4	36
40	Periodic synchronization in a driven system of coupled oscillators. <i>Physical Review E</i> , 1994 , 49, 3825-3832	2.4	28
39	Bloch oscillation and topological quantization. <i>Physical Review B</i> , 1994 , 50, 13875-13878	3.3	5
38	Quantum Hall effect in ideal superconducting arrays at zero temperature. <i>Physical Review B</i> , 1994 , 50, 10088-10091	3.3	25
37	Granular relaxation under tapping and the traffic problem. <i>Physical Review E</i> , 1994 , 50, 4123-4135	2.4	27
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