

Michael Chertkov

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194
papers

5,668
citations

37
h-index

70
g-index

226
ext. papers

6,607
ext. citations

4.2
avg, IF

6.2
L-index

#	Paper	IF	Citations
194	Synchronization in complex oscillator networks and smart grids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 2005-10	11.5	538
193	Options for Control of Reactive Power by Distributed Photovoltaic Generators. <i>Proceedings of the IEEE</i> , 2011 , 99, 1063-1073	14.3	423
192	Chance-Constrained Optimal Power Flow: Risk-Aware Network Control under Uncertainty. <i>SIAM Review</i> , 2014 , 56, 461-495	7.4	239
191	Normal and anomalous scaling of the fourth-order correlation function of a randomly advected passive scalar. <i>Physical Review E</i> , 1995 , 52, 4924-4941	2.4	222
190	Lagrangian tetrad dynamics and the phenomenology of turbulence. <i>Physics of Fluids</i> , 1999 , 11, 2394-2410	4.4	165
189	. <i>IEEE Transactions on Energy Conversion</i> , 2014 , 29, 968-977	5.4	161
188	Path-integral analysis of fluctuation theorems for general Langevin processes. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2006 , 2006, P08001-P08001	1.9	137
187	Coordinated Scheduling for Interdependent Electric Power and Natural Gas Infrastructures. <i>IEEE Transactions on Power Systems</i> , 2017 , 32, 600-610	7	132
186	Sparsity-Promoting Optimal Wide-Area Control of Power Networks. <i>IEEE Transactions on Power Systems</i> , 2014 , 29, 2281-2291	7	128
185	Distributed control of reactive power flow in a radial distribution circuit with high photovoltaic penetration 2010 ,		118
184	Statistics of a passive scalar advected by a large-scale two-dimensional velocity field: Analytic solution. <i>Physical Review E</i> , 1995 , 51, 5609-5627	2.4	116
183	Anomalous scaling exponents of a white-advected passive scalar. <i>Physical Review Letters</i> , 1996 , 76, 2706-2709	2.7	115
182	Dynamics of energy condensation in two-dimensional turbulence. <i>Physical Review Letters</i> , 2007 , 99, 084501	7.4	108
181	Phenomenology of Rayleigh-Taylor turbulence. <i>Physical Review Letters</i> , 2003 , 91, 115001	7.4	107
180	Optimal capacitor allocation in distribution systems using a genetic algorithm and a fast energy loss computation technique. <i>IEEE Transactions on Power Delivery</i> , 2000 , 15, 623-628	4.3	98
179	Local Control of Reactive Power by Distributed Photovoltaic Generators 2010 ,		89
178	Polymer stretching by turbulence. <i>Physical Review Letters</i> , 2000 , 84, 4761-4	7.4	81

177	Towards future infrastructures for sustainable multi-energy systems: A review. <i>Energy</i> , 2019 , 184, 2-21	7.9	80
176	Geometry of Lagrangian dispersion in turbulence. <i>Physical Review Letters</i> , 2000 , 85, 5324-7	7.4	80
175	. <i>IEEE Transactions on Control of Network Systems</i> , 2018 , 5, 1061-1074	4	76
174	Small-Scale Turbulent Dynamo. <i>Physical Review Letters</i> , 1999 , 83, 4065-4068	7.4	75
173	Loop series for discrete statistical models on graphs. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2006 , 2006, P06009-P06009	1.9	71
172	Instanton for random advection. <i>Physical Review E</i> , 1997 , 55, 2722-2735	2.4	66
171	Polymer statistics in a random flow with mean shear. <i>Journal of Fluid Mechanics</i> , 2005 , 531, 251-260	3.7	66
170	Cascading of fluctuations in interdependent energy infrastructures: Gas-grid coupling. <i>Applied Energy</i> , 2015 , 160, 541-551	10.7	60
169	Irreversible Monte Carlo algorithms for efficient sampling. <i>Physica D: Nonlinear Phenomena</i> , 2011 , 240, 410-414	3.3	57
168	Intermittent Dissipation of a Passive Scalar in Turbulence. <i>Physical Review Letters</i> , 1998 , 80, 2121-2124	7.4	55
167	Uncertainty Sets for Wind Power Generation. <i>IEEE Transactions on Power Systems</i> , 2016 , 31, 3326-3327	7	54
166	Predicting Failures in Power Grids: The Case of Static Overloads. <i>IEEE Transactions on Smart Grid</i> , 2011 , 2, 162-172	10.7	52
165	Self-similarity and universality in Rayleigh-Taylor, Boussinesq turbulence. <i>Physics of Fluids</i> , 2009 , 21, 015102	4.4	51
164	Robust Broadcast-Communication Control of Electric Vehicle Charging 2010 ,		48
163	Loop calculus in statistical physics and information science. <i>Physical Review E</i> , 2006 , 73, 065102	2.4	47
162	Nonuniversality of the scaling exponents of a passive scalar convected by a random flow. <i>Physical Review Letters</i> , 1996 , 76, 3707-3710	7.4	46
161	Inverse versus Direct Cascades in Turbulent Advection. <i>Physical Review Letters</i> , 1998 , 80, 512-515	7.4	45
160	Optimal Compression in Natural Gas Networks: A Geometric Programming Approach. <i>IEEE Transactions on Control of Network Systems</i> , 2015 , 2, 47-56	4	44

159	Decay of scalar turbulence revisited. <i>Physical Review Letters</i> , 2003 , 90, 034501	7.4	43
158	Real-Time Faulted Line Localization and PMU Placement in Power Systems Through Convolutional Neural Networks. <i>IEEE Transactions on Power Systems</i> , 2019 , 34, 4640-4651	7	40
157	Inverse cascade and intermittency of passive scalar in one-dimensional smooth flow. <i>Physical Review E</i> , 1997 , 56, 5483-5499	2.4	37
156	Optimal control of transient flow in natural gas networks 2015 ,		36
155	The Lagrangian view of energy transfer in turbulent flow. <i>Europhysics Letters</i> , 2001 , 56, 379-385	1.6	34
154	Estimating distribution grid topologies: A graphical learning based approach 2016 ,		32
153	An Efficient Pseudocodeword Search Algorithm for Linear Programming Decoding of LDPC Codes. <i>IEEE Transactions on Information Theory</i> , 2008 , 54, 1514-1520	2.8	29
152	Inference in particle tracking experiments by passing messages between images. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 7663-8	11.5	28
151	Thermal Transients in District Heating Systems. <i>Energy</i> , 2019 , 184, 22-33	7.9	27
150	Optimal structure and parameter learning of Ising models. <i>Science Advances</i> , 2018 , 4, e1700791	14.3	26
149	Diagnosis of weaknesses in modern error correction codes: a physics approach. <i>Physical Review Letters</i> , 2005 , 95, 228701	7.4	26
148	Exact Topology and Parameter Estimation in Distribution Grids with Minimal Observability 2018 ,		26
147	On how a joint interaction of two innocent partners (smooth advection and linear damping) produces a strong intermittency. <i>Physics of Fluids</i> , 1998 , 10, 3017-3019	4.4	24
146	Instanton-based techniques for analysis and reduction of error floors of LDPC codes. <i>IEEE Journal on Selected Areas in Communications</i> , 2009 , 27, 855-865	14.2	23
145	Getting a grip on the electrical grid. <i>Physics Today</i> , 2013 , 66, 42-48	0.9	22
144	Dynamical generalization of nonequilibrium work relation. <i>Physical Review E</i> , 2005 , 71, 025102	2.4	22
143	Instanton analysis of Low-Density Parity-Check codes in the error-floor regime 2006 ,		22
142	Boundary effects on chaotic advection-diffusion chemical reactions. <i>Physical Review Letters</i> , 2003 , 90, 134501	7.4	22

141	Sparse and optimal wide-area damping control in power networks 2013,		21
140	Non-Equilibrium Thermodynamics and Topology of Currents. <i>Journal of Statistical Physics</i> , 2009 , 137, 109-147	1.5	21
139	Pseudo-codeword Landscape 2007,		21
138	Learning topology of distribution grids using only terminal node measurements 2016,		21
137	. <i>IEEE Transactions on Power Systems</i> , 2020 , 35, 1663-1673	7	21
136	Reactive Rayleigh-Taylor turbulence. <i>Journal of Fluid Mechanics</i> , 2009 , 633, 1-16	3.7	20
135	Statistics of entropy production in linearized stochastic systems. <i>Physical Review Letters</i> , 2007 , 98, 180603	0.34	20
134	Shedding and interaction of solitons in weakly disordered optical fibers. <i>Physical Review E</i> , 2003 , 67, 036615	1.5	20
133	Optimal Load Ensemble Control in Chance-Constrained Optimal Power Flow. <i>IEEE Transactions on Smart Grid</i> , 2019 , 10, 5186-5195	10.7	20
132	Interchannel interaction of optical solitons. <i>Physical Review E</i> , 2003 , 68, 026605	2.4	19
131	Inelastic interchannel collisions of pulses in optical fibers in the presence of third-order dispersion. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2004 , 21, 18	1.7	19
130	Exact field-theoretical description of passive scalar convection in an N-dimensional long-range velocity field. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1994 , 192, 435-443	2.3	19
129	Optimal Power Flow with Weighted chance constraints and general policies for generation control 2015,		18
128	2011,		18
127	Effects of surface tension on immiscible Rayleigh-Taylor turbulence. <i>Physical Review E</i> , 2005 , 71, 055301	2.4	17
126	Storage Sizing and Placement through Operational and Uncertainty-Aware Simulations 2014,		16
125	Experimental method for synthesis of generalized thermal circuit of polyphase induction motors. <i>IEEE Transactions on Energy Conversion</i> , 2000 , 15, 264-268	5.4	16
124	Propagation of a Huygens Front Through Turbulent Medium. <i>Physical Review Letters</i> , 1998 , 80, 2837-2840	0.4	16

123	Chance-Constrained ADMM Approach for Decentralized Control of Distributed Energy Resources 2018,		16
122	Operator splitting method for simulation of dynamic flows in natural gas pipeline networks. <i>Physica D: Nonlinear Phenomena</i> , 2017 , 361, 1-11	3.3	15
121	Pulse confinement in optical fibers with random dispersion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001 , 98, 14208-11	11.5	15
120	Pinning method of pulse confinement in optical fiber with random dispersion. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2002 , 19, 2538	1.7	15
119	Pressure Fluctuations in Natural Gas Networks Caused by Gas-Electric Coupling 2015,		14
118	Graphical Models in Meshed Distribution Grids: Topology Estimation, Change Detection & Limitations. <i>IEEE Transactions on Smart Grid</i> , 2020 , 11, 4299-4310	10.7	14
117	Model Reduction and Optimization of Natural Gas Pipeline Dynamics 2015,		14
116	2012,		14
115	Counting Independent Sets Using the Bethe Approximation. <i>SIAM Journal on Discrete Mathematics</i> , 2011 , 25, 1012-1034	0.7	14
114	. <i>Journal of Lightwave Technology</i> , 2004 , 22, 1155-1168	4	14
113	Synchronization in Complex Oscillator Networks and Smart Grids		14
112	Structure Learning and Statistical Estimation in Distribution Networks - Part I		14
111	Stochastic optimal control as non-equilibrium statistical mechanics: calculus of variations over density and current. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2014 , 47, 022001	2	13
110	Statistical geometry in homogeneous and isotropic turbulence. <i>Journal of Turbulence</i> , 2007 , 8, N39	2.1	13
109	Scale dependence of the coarse-grained velocity derivative tensor: Influence of large-scale shear on small-scale turbulence. <i>Journal of Turbulence</i> , 2006 , 7, N41	2.1	13
108	A Hierarchical Approach to Multienergy Demand Response: From Electricity to Multienergy Applications. <i>Proceedings of the IEEE</i> , 2020 , 108, 1457-1474	14.3	12
107	Control policies for operational coordination of electric power and natural gas transmission systems 2016,		12
106	Learning topology of the power distribution grid with and without missing data 2016,		12

105	Ensemble of Thermostatically Controlled Loads: Statistical Physics Approach. <i>Scientific Reports</i> , 2017 , 7, 8673	4.9	12
104	Monotonicity of dissipative flow networks renders robust maximum profit problem tractable: General analysis and application to natural gas flows 2015 ,		12
103	Non-Equilibrium Statistical Physics of Currents in Queuing Networks. <i>Journal of Statistical Physics</i> , 2010 , 140, 819-845	1.5	12
102	Reducing the Error Floor 2007 ,		12
101	Error correction on a tree: an instanton approach. <i>Physical Review Letters</i> , 2004 , 93, 198702	7.4	12
100	Passive advection in nonlinear medium. <i>Physics of Fluids</i> , 1999 , 11, 2257-2262	4.4	12
99	The geometric universality of currents. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2011 , 2011, P09006	1.9	11
98	DistFlow ODE: Modeling, analyzing and controlling long distribution feeder 2012 ,		11
97	Equilibrium dynamics of a paramagnetic cluster. <i>Physical Review B</i> , 1995 , 51, 3974-3977	3.3	11
96	Solving the power flow equations: a monotone operator approach		11
95	A differential analysis of the power flow equations 2015 ,		10
94	. <i>IEEE Transactions on Information Theory</i> , 2011 , 57, 4417-4426	2.8	10
93	Message passing for optimization and control of a power grid: model of a distribution system with redundancy. <i>Physical Review E</i> , 2009 , 80, 046112	2.4	10
92	Belief propagation and loop calculus for the permanent of a non-negative matrix. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2010 , 43, 242002	2	10
91	Ensemble Control of Cycling Energy Loads: Markov Decision Approach. <i>The IMA Volumes in Mathematics and Its Applications</i> , 2018 , 363-382	0.5	9
90	Graphical models for optimal power flow. <i>Constraints</i> , 2017 , 22, 24-49	0.3	9
89	Heat conditions of a three-phase induction motor by a one-phase supply. <i>IET Electric Power Applications</i> , 1999 , 146, 361		9
88	Joint Estimation of Topology and Injection Statistics in Distribution Grids With Missing Nodes. <i>IEEE Transactions on Control of Network Systems</i> , 2020 , 7, 1391-1403	4	8

87	Optimal power flow with wind power control and limited expected risk of overloads 2016 ,		8
86	Universal velocity profile for coherent vortices in two-dimensional turbulence. <i>Physical Review E</i> , 2010 , 81, 015302	2.4	8
85	A majorization-minimization approach to design of power transmission networks 2010 ,		8
84	Loop Calculus and Belief Propagation for q-ary Alphabet: Loop Tower 2007 ,		8
83	Importance sampling the union of rare events with an application to power systems analysis. <i>Electronic Journal of Statistics</i> , 2019 , 13,	1.2	8
82	Optimal Ensemble Control of Loads in Distribution Grids with Network Constraints 2018 ,		8
81	Learning With End-Users in Distribution Grids: Topology and Parameter Estimation. <i>IEEE Transactions on Control of Network Systems</i> , 2020 , 7, 1428-1440	4	7
80	Synchronization-aware and algorithm-efficient chance constrained optimal power flow 2013 ,		7
79	Statistical classification of cascading failures in power grids 2011 ,		7
78	Synchronization assessment in power networks and coupled oscillators 2012 ,		7
77	Shedding and interaction of solitons in imperfect medium. <i>JETP Letters</i> , 2001 , 74, 357-361	1.2	7
76	Structure Learning in Power Distribution Networks		7
75	Operations- and Uncertainty-Aware Installation of FACTS Devices in a Large Transmission System. <i>IEEE Transactions on Control of Network Systems</i> , 2019 , 6, 961-970	4	6
74	Monotonicity of actuated flows on dissipative transport networks 2016 ,		6
73	Efficient algorithm for locating and sizing series compensation devices in large power transmission grids: II. Solutions and applications. <i>New Journal of Physics</i> , 2014 , 16, 105016	2.9	6
72	Robust modeling of probabilistic uncertainty in smart Grids: Data ambiguous Chance Constrained Optimum Power Flow 2013 ,		6
71	2011 ,		6
70	Belief propagation and loop series on planar graphs. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2008 , 2008, P05003	1.9	6

69	Instanton method of post-error-correction analytical evaluation		6
68	Solitons in a disordered anisotropic optical medium. <i>JETP Letters</i> , 2001 , 74, 535-538	1.2	6
67	DETERMINATION OF HEAT STATE OF NORMAL LOAD INDUCTION MOTORS BY A NO-LOAD TEST RUN. <i>Electric Power Components and Systems</i> , 1993 , 21, 355-369		6
66	Long-time dynamics of the infinite-temperature Heisenberg magnet. <i>Physical Review B</i> , 1994 , 49, 3592-3595		6
65	Structure Learning and Statistical Estimation in Distribution Networks - Part II		6
64	Smarter Smart District Heating. <i>Proceedings of the IEEE</i> , 2020 , 108, 1596-1611	14.3	5
63	Polytope of correct (linear programming) decoding and low-weight pseudo-codewords 2011 ,		5
62	Fermions and loops on graphs: I. Loop calculus for determinants. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2008 , 2008, P12011	1.9	5
61	Strong effect of weak diffusion on scalar turbulence at large scales. <i>Physics of Fluids</i> , 2007 , 19, 101703	4.4	5
60	Chance Constrained Optimal Power Flow: Risk-Aware Network Control under Uncertainty		5
59	A Markov Process Approach to Ensemble Control of Smart Buildings 2019 ,		5
58	2019 ,		4
57	Learning Exact Topology of a Loopy Power Grid from Ambient Dynamics 2017 ,		4
56	Efficient algorithm for locating and sizing series compensation devices in large power transmission grids: I. Model implementation. <i>New Journal of Physics</i> , 2014 , 16, 105015	2.9	4
55	Planar graphical models which are easy. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2010 , 2010, P11007	1.9	4
54	2009 ,		4
53	Fermions and loops on graphs: II. A monomer-dimer model as a series of determinants. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2008 , 2008, P12012	1.9	4
52	Exactness of belief propagation for some graphical models with loops. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2008 , 2008, P10016	1.9	4

51	Compensation for extreme outages caused by polarization mode dispersion and amplifier noise. <i>Optics Express</i> , 2003 , 11, 1607-12	3.3	4
50	THEORY OF RANDOM ADVECTION IN TWO DIMENSIONS. <i>International Journal of Modern Physics B</i> , 1996 , 10, 2273-2309	1.1	4
49	Passive scalar convection in a 2D long-range delta-correlated velocity field: Exact results. <i>Journal of Physics A</i> , 1994 , 27, 4925-4932		4
48	Physics informed topology learning in networks of linear dynamical systems. <i>Automatica</i> , 2020 , 112, 108705	5.7	4
47	Tractable structure learning in radial physical flow networks 2016 ,		4
46	Constraining Fission Yields Using Machine Learning. <i>EPJ Web of Conferences</i> , 2019 , 211, 04006	0.3	3
45	Power of Ensemble Diversity and Randomization for Energy Aggregation. <i>Scientific Reports</i> , 2019 , 9, 5910	4.9	3
44	Data-Driven Learning and Load Ensemble Control. <i>Electric Power Systems Research</i> , 2020 , 189, 106780	3.5	3
43	Mean-field control for efficient mixing of energy loads. <i>Physical Review E</i> , 2020 , 101, 022115	2.4	3
42	Linear PDEs and eigenvalue problems corresponding to ergodic stochastic optimization problems on compact manifolds. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2016 , 2016, 013206	1.9	3
41	Assessing Risk of Gas Shortage in Coupled Gas-Electricity Infrastructures 2016 ,		3
40	Temperature-based instanton analysis: Identifying vulnerability in transmission networks 2015 ,		3
39	Hysteresis, phase transitions, and dangerous transients in electrical power distribution systems. <i>Physical Review E</i> , 2013 , 87, 062802	2.4	3
38	Orbit-product representation and correction of Gaussian belief propagation 2009 ,		3
37	Linear programming based detectors for two-dimensional intersymbol interference channels 2011 ,		3
36	Distributed control of generation in a transmission grid with a high penetration of renewables 2012 ,		3
35	Periodic compensation of polarization mode dispersion. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2004 , 21, 486	1.7	3
34	Multienergy Systems. <i>Proceedings of the IEEE</i> , 2020 , 108, 1387-1391	14.3	3

33	Graphical Models of Pandemic			3
32	Convexity of structure preserving energy functions in power transmission: Novel results and applications 2015 ,			2
31	Coordinated scheduling for interdependent electric power and natural gas infrastructures 2017 ,			2
30	Chance constrained optimal power flow with primary frequency response 2017 ,			2
29	Improved linear programming decoding using frustrated cycles 2013 ,			2
28	Worst configurations (instantons) for Compressed Sensing over reals: A channel coding approach 2010 ,			2
27	Extreme outages caused by polarization mode dispersion. <i>Optics Letters</i> , 2003 , 28, 2159-61	3		2
26	Functional integral and effective Hamiltonian t-J-V model of strongly correlated electron system. <i>Journal of Statistical Physics</i> , 1992 , 69, 231-245	1.5		2
25	Monotone operator approach to power flow solutions 2016 ,			2
24	Online Learning of Power Transmission Dynamics 2018 ,			2
23	Learning from power system data stream 2019 ,			1
22	Extreme-value statistics of work done in stretching a polymer in a gradient flow. <i>Physical Review E</i> , 2015 , 91, 022123	2.4		1
21	. <i>IEEE Transactions on Information Theory</i> , 2018 , 64, 1471-1480	2.8		1
20	Adiabatic approach for natural gas pipeline computations 2017 ,			1
19	Loop calculus and bootstrap-belief propagation for perfect matchings on arbitrary graphs. <i>Journal of Physics: Conference Series</i> , 2013 , 473, 012007	0.3		1
18	Outage probability for soliton transmission. <i>Europhysics Letters</i> , 2004 , 66, 499-505	1.6		1
17	Periodic and quasi-periodic compensation strategies of extreme outages caused by polarization mode dispersion and amplifier noise. <i>JETP Letters</i> , 2003 , 78, 198-201	1.2		1
16	Probability of anomalously large bit-error rate in long haul optical transmission. <i>Physical Review E</i> , 2003 , 68, 066619	2.4		1

15	Thermal behaviour of induction motors under different speeds. <i>IET Electric Power Applications</i> , 2005 , 152, 1307		1
14	Topology Learning in Radial Distribution Grids 2018 , 261-279		1
13	Fault-induced delayed voltage recovery in a long inhomogeneous power-distribution feeder. <i>Physical Review E</i> , 2015 , 91, 022812	2.4	0
12	Learning model of generator from terminal data. <i>Electric Power Systems Research</i> , 2020 , 189, 106742	3.5	0
11	Structure- and Physics-Preserving Reductions of Power Grid Models. <i>Multiscale Modeling and Simulation</i> , 2018 , 16, 1916-1947	1.8	0
10	Graphical Models and Belief Propagation Hierarchy for Physics-Constrained Network Flows. <i>The IMA Volumes in Mathematics and Its Applications</i> , 2018 , 223-250	0.5	
9	Structural instability of two-dimensional turbulence. <i>Physica D: Nonlinear Phenomena</i> , 1994 , 78, 11-29	3.3	
8	Turbulence in Polymer Solutions. <i>Fluid Mechanics and Its Applications</i> , 2001 , 313-318	0.2	
7	Polynomial Chaos Approach to Describe the Propagation of Uncertainties Through Gas Networks. <i>Mathematics in Industry</i> , 2019 , 59-65	0.2	
6	Gauges, loops, and polynomials for partition functions of graphical models. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2020 , 2020, 124006	1.9	
5	Tractable minor-free generalization of planar zero-field Ising models. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2020 , 2020, 124007	1.9	
4	Gauging variational inference. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2019 , 2019, 1240159	1.9	
3	Bucket renormalization for approximate inference. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2019 , 2019, 124022	1.9	
2	Which Neural Network to Choose for Post-Fault Localization, Dynamic State Estimation, and Optimal Measurement Placement in Power Systems?. <i>Frontiers in Big Data</i> , 2021 , 4, 692493	2.8	
1	Prediction and prevention of pandemics via graphical model inference and convex programming.. <i>Scientific Reports</i> , 2022 , 12, 7599	4.9	