

Michael Chertkov

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/5630063/michael-chertkov-publications-by-year.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

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	Prediction and prevention of pandemics via graphical model inference and convex programming.. <i>Scientific Reports</i> , 2022 , 12, 7599	4.9	
193	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	
192	Data-Driven Learning and Load Ensemble Control. <i>Electric Power Systems Research</i> , 2020 , 189, 106780	3.5	3
191	Mean-field control for efficient mixing of energy loads. <i>Physical Review E</i> , 2020 , 101, 022115	2.4	3
190	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
189	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
188	Smarter Smart District Heating. <i>Proceedings of the IEEE</i> , 2020 , 108, 1596-1611	14.3	5
187	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
186	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
185	Learning model of generator from terminal data. <i>Electric Power Systems Research</i> , 2020 , 189, 106742	3.5	0
184	Gauges, loops, and polynomials for partition functions of graphical models. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2020 , 2020, 124006	1.9	
183	Tractable minor-free generalization of planar zero-field Ising models. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2020 , 2020, 124007	1.9	
182	Physics informed topology learning in networks of linear dynamical systems. <i>Automatica</i> , 2020 , 112, 108705	5.7	4
181	Multienergy Systems. <i>Proceedings of the IEEE</i> , 2020 , 108, 1387-1391	14.3	3
180	. <i>IEEE Transactions on Power Systems</i> , 2020 , 35, 1663-1673	7	21
179	2019 ,		4
178	Learning from power system data stream 2019 ,		1

177	Constraining Fission Yields Using Machine Learning. <i>EPJ Web of Conferences</i> , 2019 , 211, 04006	0.3	3
176	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
175	Towards future infrastructures for sustainable multi-energy systems: A review. <i>Energy</i> , 2019 , 184, 2-21	7.9	80
174	Power of Ensemble Diversity and Randomization for Energy Aggregation. <i>Scientific Reports</i> , 2019 , 9, 5910	4.9	3
173	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
172	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
171	Polynomial Chaos Approach to Describe the Propagation of Uncertainties Through Gas Networks. <i>Mathematics in Industry</i> , 2019 , 59-65	0.2	
170	A Markov Process Approach to Ensemble Control of Smart Buildings 2019 ,		5
169	Gauging variational inference. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2019 , 2019, 1240159		
168	Bucket renormalization for approximate inference. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2019 , 2019, 124022	1.9	
167	Optimal Load Ensemble Control in Chance-Constrained Optimal Power Flow. <i>IEEE Transactions on Smart Grid</i> , 2019 , 10, 5186-5195	10.7	20
166	Thermal Transients in District Heating Systems. <i>Energy</i> , 2019 , 184, 22-33	7.9	27
165	Optimal structure and parameter learning of Ising models. <i>Science Advances</i> , 2018 , 4, e1700791	14.3	26
164	. <i>IEEE Transactions on Information Theory</i> , 2018 , 64, 1471-1480	2.8	1
163	. <i>IEEE Transactions on Control of Network Systems</i> , 2018 , 5, 1061-1074	4	76
162	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	
161	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
160	Topology Learning in Radial Distribution Grids 2018 , 261-279		1

159	Online Learning of Power Transmission Dynamics 2018 ,		2
158	Structure- and Physics-Preserving Reductions of Power Grid Models. <i>Multiscale Modeling and Simulation</i> , 2018 , 16, 1916-1947	1.8	0
157	Optimal Ensemble Control of Loads in Distribution Grids with Network Constraints 2018 ,		8
156	Exact Topology and Parameter Estimation in Distribution Grids with Minimal Observability 2018 ,		26
155	Chance-Constrained ADMM Approach for Decentralized Control of Distributed Energy Resources 2018 ,		16
154	Coordinated Scheduling for Interdependent Electric Power and Natural Gas Infrastructures. <i>IEEE Transactions on Power Systems</i> , 2017 , 32, 600-610	7	132
153	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
152	Learning Exact Topology of a Loopy Power Grid from Ambient Dynamics 2017 ,		4
151	Ensemble of Thermostatically Controlled Loads: Statistical Physics Approach. <i>Scientific Reports</i> , 2017 , 7, 8673	4.9	12
150	Coordinated scheduling for interdependent electric power and natural gas infrastructures 2017 ,		2
149	Graphical models for optimal power flow. <i>Constraints</i> , 2017 , 22, 24-49	0.3	9
148	Chance constrained optimal power flow with primary frequency response 2017 ,		2
147	Adiabatic approach for natural gas pipeline computations 2017 ,		1
146	Uncertainty Sets for Wind Power Generation. <i>IEEE Transactions on Power Systems</i> , 2016 , 31, 3326-3327	7	54
145	Control policies for operational coordination of electric power and natural gas transmission systems 2016 ,		12
144	Optimal power flow with wind power control and limited expected risk of overloads 2016 ,		8
143	Estimating distribution grid topologies: A graphical learning based approach 2016 ,		32
142	Learning topology of the power distribution grid with and without missing data 2016 ,		12

141	Monotonicity of actuated flows on dissipative transport networks 2016 ,		6
140	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
139	Assessing Risk of Gas Shortage in Coupled Gas-Electricity Infrastructures 2016 ,		3
138	Tractable structure learning in radial physical flow networks 2016 ,		4
137	Learning topology of distribution grids using only terminal node measurements 2016 ,		21
136	Monotone operator approach to power flow solutions 2016 ,		2
135	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
134	Fault-induced delayed voltage recovery in a long inhomogeneous power-distribution feeder. <i>Physical Review E</i> , 2015 , 91, 022812	2.4	0
133	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
132	Pressure Fluctuations in Natural Gas Networks Caused by Gas-Electric Coupling 2015 ,		14
131	Cascading of fluctuations in interdependent energy infrastructures: Gas-grid coupling. <i>Applied Energy</i> , 2015 , 160, 541-551	10.7	60
130	Convexity of structure preserving energy functions in power transmission: Novel results and applications 2015 ,		2
129	Optimal Power Flow with Weighted chance constraints and general policies for generation control 2015 ,		18
128	Monotonicity of dissipative flow networks renders robust maximum profit problem tractable: General analysis and application to natural gas flows 2015 ,		12
127	Model Reduction and Optimization of Natural Gas Pipeline Dynamics 2015 ,		14
126	A differential analysis of the power flow equations 2015 ,		10
125	Optimal control of transient flow in natural gas networks 2015 ,		36
124	Temperature-based instanton analysis: Identifying vulnerability in transmission networks 2015 ,		3

123	Chance-Constrained Optimal Power Flow: Risk-Aware Network Control under Uncertainty. <i>SIAM Review</i> , 2014 , 56, 461-495	7.4	239
122	Sparsity-Promoting Optimal Wide-Area Control of Power Networks. <i>IEEE Transactions on Power Systems</i> , 2014 , 29, 2281-2291	7	128
121	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
120	Storage Sizing and Placement through Operational and Uncertainty-Aware Simulations 2014 ,		16
119	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
118	. <i>IEEE Transactions on Energy Conversion</i> , 2014 , 29, 968-977	5.4	161
117	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
116	Synchronization-aware and algorithm-efficient chance constrained optimal power flow 2013 ,		7
115	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
114	Hysteresis, phase transitions, and dangerous transients in electrical power distribution systems. <i>Physical Review E</i> , 2013 , 87, 062802	2.4	3
113	Sparse and optimal wide-area damping control in power networks 2013 ,		21
112	Getting a grip on the electrical grid. <i>Physics Today</i> , 2013 , 66, 42-48	0.9	22
111	Robust modeling of probabilistic uncertainty in smart Grids: Data ambiguous Chance Constrained Optimum Power Flow 2013 ,		6
110	Improved linear programming decoding using frustrated cycles 2013 ,		2
109	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
108	2012 ,		14
107	Distributed control of generation in a transmission grid with a high penetration of renewables 2012 ,		3
106	Synchronization assessment in power networks and coupled oscillators 2012 ,		7

105	DistFlow ODE: Modeling, analyzing and controlling long distribution feeder 2012 ,		11
104	2011 ,		18
103	Counting Independent Sets Using the Bethe Approximation. <i>SIAM Journal on Discrete Mathematics</i> , 2011 , 25, 1012-1034	0.7	14
102	Options for Control of Reactive Power by Distributed Photovoltaic Generators. <i>Proceedings of the IEEE</i> , 2011 , 99, 1063-1073	14.3	423
101	Predicting Failures in Power Grids: The Case of Static Overloads. <i>IEEE Transactions on Smart Grid</i> , 2011 , 2, 162-172	10.7	52
100	. <i>IEEE Transactions on Information Theory</i> , 2011 , 57, 4417-4426	2.8	10
99	Statistical classification of cascading failures in power grids 2011 ,		7
98	Irreversible Monte Carlo algorithms for efficient sampling. <i>Physica D: Nonlinear Phenomena</i> , 2011 , 240, 410-414	3.3	57
97	The geometric universality of currents. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2011 , 2011, P09006	1.9	11
96	Linear programming based detectors for two-dimensional intersymbol interference channels 2011 ,		3
95	Polytope of correct (linear programming) decoding and low-weight pseudo-codewords 2011 ,		5
94	2011 ,		6
93	Universal velocity profile for coherent vortices in two-dimensional turbulence. <i>Physical Review E</i> , 2010 , 81, 015302	2.4	8
92	A majorization-minimization approach to design of power transmission networks 2010 ,		8
91	Worst configurations (instantons) for Compressed Sensing over reals: A channel coding approach 2010 ,		2
90	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
89	Planar graphical models which are easy. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2010 , 2010, P11007	1.9	4
88	Distributed control of reactive power flow in a radial distribution circuit with high photovoltaic penetration 2010 ,		118

87	Local Control of Reactive Power by Distributed Photovoltaic Generators 2010 ,		89
86	Robust Broadcast-Communication Control of Electric Vehicle Charging 2010 ,		48
85	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
84	Non-Equilibrium Statistical Physics of Currents in Queuing Networks. <i>Journal of Statistical Physics</i> , 2010 , 140, 819-845	1.5	12
83	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
82	Orbit-product representation and correction of Gaussian belief propagation 2009 ,		3
81	Self-similarity and universality in Rayleigh-Taylor, Boussinesq turbulence. <i>Physics of Fluids</i> , 2009 , 21, 015102	4.4	51
80	Non-Equilibrium Thermodynamics and Topology of Currents. <i>Journal of Statistical Physics</i> , 2009 , 137, 109-147	1.5	21
79	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
78	2009 ,		4
77	Reactive Rayleigh-Taylor turbulence. <i>Journal of Fluid Mechanics</i> , 2009 , 633, 1-16	3.7	20
76	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
75	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
74	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
73	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
72	Belief propagation and loop series on planar graphs. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2008 , 2008, P05003	1.9	6
71	Pseudo-codeword Landscape 2007 ,		21
70	Strong effect of weak diffusion on scalar turbulence at large scales. <i>Physics of Fluids</i> , 2007 , 19, 101703	4.4	5

69	Loop Calculus and Belief Propagation for q-ary Alphabet: Loop Tower 2007 ,		8
68	Statistical geometry in homogeneous and isotropic turbulence. <i>Journal of Turbulence</i> , 2007 , 8, N39	2.1	13
67	Dynamics of energy condensation in two-dimensional turbulence. <i>Physical Review Letters</i> , 2007 , 99, 084504		108
66	Reducing the Error Floor 2007 ,		12
65	Statistics of entropy production in linearized stochastic systems. <i>Physical Review Letters</i> , 2007 , 98, 180603	2.4	20
64	Loop series for discrete statistical models on graphs. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2006 , 2006, P06009-P06009	1.9	71
63	Loop calculus in statistical physics and information science. <i>Physical Review E</i> , 2006 , 73, 065102	2.4	47
62	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
61	Instanton analysis of Low-Density Parity-Check codes in the error-floor regime 2006 ,		22
60	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
59	Polymer statistics in a random flow with mean shear. <i>Journal of Fluid Mechanics</i> , 2005 , 531, 251-260	3.7	66
58	Dynamical generalization of nonequilibrium work relation. <i>Physical Review E</i> , 2005 , 71, 025102	2.4	22
57	Thermal behaviour of induction motors under different speeds. <i>IET Electric Power Applications</i> , 2005 , 152, 1307		1
56	Effects of surface tension on immiscible Rayleigh-Taylor turbulence. <i>Physical Review E</i> , 2005 , 71, 055301	2.4	17
55	Diagnosis of weaknesses in modern error correction codes: a physics approach. <i>Physical Review Letters</i> , 2005 , 95, 228701	7.4	26
54	Outage probability for soliton transmission. <i>Europhysics Letters</i> , 2004 , 66, 499-505	1.6	1
53	Error correction on a tree: an instanton approach. <i>Physical Review Letters</i> , 2004 , 93, 198702	7.4	12
52	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

51	Periodic compensation of polarization mode dispersion. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2004 , 21, 486	1.7	3
50	. <i>Journal of Lightwave Technology</i> , 2004 , 22, 1155-1168	4	14
49	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
48	Interchannel interaction of optical solitons. <i>Physical Review E</i> , 2003 , 68, 026605	2.4	19
47	Extreme outages caused by polarization mode dispersion. <i>Optics Letters</i> , 2003 , 28, 2159-61	3	2
46	Compensation for extreme outages caused by polarization mode dispersion and amplifier noise. <i>Optics Express</i> , 2003 , 11, 1607-12	3.3	4
45	Boundary effects on chaotic advection-diffusion chemical reactions. <i>Physical Review Letters</i> , 2003 , 90, 134501	7.4	22
44	Probability of anomalously large bit-error rate in long haul optical transmission. <i>Physical Review E</i> , 2003 , 68, 066619	2.4	1
43	Shedding and interaction of solitons in weakly disordered optical fibers. <i>Physical Review E</i> , 2003 , 67, 036615	6.15	20
42	Phenomenology of Rayleigh-Taylor turbulence. <i>Physical Review Letters</i> , 2003 , 91, 115001	7.4	107
41	Decay of scalar turbulence revisited. <i>Physical Review Letters</i> , 2003 , 90, 034501	7.4	43
40	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
39	Shedding and interaction of solitons in imperfect medium. <i>JETP Letters</i> , 2001 , 74, 357-361	1.2	7
38	Solitons in a disordered anisotropic optical medium. <i>JETP Letters</i> , 2001 , 74, 535-538	1.2	6
37	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
36	The Lagrangian view of energy transfer in turbulent flow. <i>Europhysics Letters</i> , 2001 , 56, 379-385	1.6	34
35	Turbulence in Polymer Solutions. <i>Fluid Mechanics and Its Applications</i> , 2001 , 313-318	0.2	
34	Geometry of Lagrangian dispersion in turbulence. <i>Physical Review Letters</i> , 2000 , 85, 5324-7	7.4	80

33	Polymer stretching by turbulence. <i>Physical Review Letters</i> , 2000 , 84, 4761-4	7.4	81
32	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
31	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
30	Lagrangian tetrad dynamics and the phenomenology of turbulence. <i>Physics of Fluids</i> , 1999 , 11, 2394-2410	4.4	165
29	Small-Scale Turbulent Dynamo. <i>Physical Review Letters</i> , 1999 , 83, 4065-4068	7.4	75
28	Heat conditions of a three-phase induction motor by a one-phase supply. <i>IET Electric Power Applications</i> , 1999 , 146, 361		9
27	Passive advection in nonlinear medium. <i>Physics of Fluids</i> , 1999 , 11, 2257-2262	4.4	12
26	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
25	Inverse versus Direct Cascades in Turbulent Advection. <i>Physical Review Letters</i> , 1998 , 80, 512-515	7.4	45
24	Propagation of a Huygens Front Through Turbulent Medium. <i>Physical Review Letters</i> , 1998 , 80, 2837-2840	4.4	16
23	Intermittent Dissipation of a Passive Scalar in Turbulence. <i>Physical Review Letters</i> , 1998 , 80, 2121-2124	7.4	55
22	Inverse cascade and intermittency of passive scalar in one-dimensional smooth flow. <i>Physical Review E</i> , 1997 , 56, 5483-5499	2.4	37
21	Instanton for random advection. <i>Physical Review E</i> , 1997 , 55, 2722-2735	2.4	66
20	Anomalous scaling exponents of a white-advectioned passive scalar. <i>Physical Review Letters</i> , 1996 , 76, 2706-2709	7.4	115
19	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
18	THEORY OF RANDOM ADVECTION IN TWO DIMENSIONS. <i>International Journal of Modern Physics B</i> , 1996 , 10, 2273-2309	1.1	4
17	Normal and anomalous scaling of the fourth-order correlation function of a randomly advectioned passive scalar. <i>Physical Review E</i> , 1995 , 52, 4924-4941	2.4	222
16	Equilibrium dynamics of a paramagnetic cluster. <i>Physical Review B</i> , 1995 , 51, 3974-3977	3.3	11

15	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
14	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
13	Long-time dynamics of the infinite-temperature Heisenberg magnet. <i>Physical Review B</i> , 1994 , 49, 3592-3595	3.3	6
12	Structural instability of two-dimensional turbulence. <i>Physica D: Nonlinear Phenomena</i> , 1994 , 78, 11-29	3.3	
11	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
10	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
9	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
8	Instanton method of post-error-correction analytical evaluation		6
7	Synchronization in Complex Oscillator Networks and Smart Grids		14
6	Chance Constrained Optimal Power Flow: Risk-Aware Network Control under Uncertainty		5
5	Structure Learning and Statistical Estimation in Distribution Networks - Part II		6
4	Structure Learning and Statistical Estimation in Distribution Networks - Part I		14
3	Solving the power flow equations: a monotone operator approach		11
2	Structure Learning in Power Distribution Networks		7
1	Graphical Models of Pandemic		3