

# Gaoxi Xiao

## 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.

189  
papers

2,342  
citations

24  
h-index

43  
g-index

227  
ext. papers

3,088  
ext. citations

3.9  
avg. IF

5.64  
L-index

#	Paper	IF	Citations
189	Motor Imagery BCI Classification Based on Multivariate Variational Mode Decomposition. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , <b>2022</b> , 1-13	4.1	2
188	State Distribution of Markovian Jump Boolean Networks and Its Applications. <i>IEEE Transactions on Automatic Control</i> , <b>2022</b> , 1-1	5.9	
187	Spatiotemporal Input Control: Leveraging Temporal Variation in Network Dynamics. <i>IEEE/CAA Journal of Automatica Sinica</i> , <b>2022</b> , 9, 635-651	7	
186	Set controllability of Markov jump switching Boolean control networks and its applications. <i>Nonlinear Analysis: Hybrid Systems</i> , <b>2022</b> , 45, 101179	4.5	0
185	Day-Ahead Economic Dispatch of Renewable Energy System considering Wind and Photovoltaic Predicted Output. <i>International Transactions on Electrical Energy Systems</i> , <b>2022</b> , 2022, 1-14	2.2	1
184	Detection of False Data Injection Attacks on Smart Grids: A Resilience-Enhanced Scheme. <i>IEEE Transactions on Power Systems</i> , <b>2021</b> , 1-1	7	1
183	Discrete Time Optimal Control Algorithm. <i>Lecture Notes in Electrical Engineering</i> , <b>2021</b> , 17-33	0.2	
182	Simple and Efficient Tracking Differentiator. <i>Lecture Notes in Electrical Engineering</i> , <b>2021</b> , 35-46	0.2	0
181	On Convergence Performance of DTOC Based Tracking Differentiator. <i>Lecture Notes in Electrical Engineering</i> , <b>2021</b> , 47-59	0.2	
180	Time-Optimal Control Based Tracking Differentiator with Phase Delay Alleviation. <i>Lecture Notes in Electrical Engineering</i> , <b>2021</b> , 61-75	0.2	
179	Design and Assessment of Sweep Coverage Algorithms for Multiagent Systems With Online Learning Strategies. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2021</b> , 1-12	7.3	0
178	Introduction to Multi-agent Cooperative Coverage Control. <i>Studies in Systems, Decision and Control</i> , <b>2021</b> , 1-11	0.8	
177	Observer-Based Sliding Mode Load Frequency Control of Power Systems under Deception Attack. <i>Complexity</i> , <b>2021</b> , 2021, 1-11	1.6	1
176	Modeling and Analysis of Temperature Compensation for Multi-temperature Zone Sintering Furnace Temperature Sensing. <i>International Journal of Control, Automation and Systems</i> , <b>2021</b> , 19, 2431-2443	2.0	2
175	Optimal Evolutionary Dispatch for Integrated Community Energy Systems Considering Uncertainties of Renewable Energy Sources and Internal Loads. <i>Energies</i> , <b>2021</b> , 14, 3644	3.1	5
174	Speed-accelerating method for the control of mobile chaotic agents. <i>European Physical Journal: Special Topics</i> , <b>2021</b> , 230, 2043-2049	2.3	0
173	Stochastic quasi-synchronization of heterogeneous delayed impulsive dynamical networks via single impulsive control. <i>Neural Networks</i> , <b>2021</b> , 139, 223-236	9.1	5

172	. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 3359-3369	8.9	8
171	Calculation of DC Bias Reactive Power Loss of Converter Transformer via Finite Element Analysis. <i>IEEE Transactions on Power Delivery</i> , <b>2021</b> , 36, 751-759	4.3	5
170	Target Controllability of Two-Layer Multiplex Networks Based on Network Flow Theory. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , 51, 2699-2711	10.2	4
169	Identification of Catastrophic Cascading Failures in Protected Power Grids Using Optimal Control. <i>Journal of Energy Engineering - ASCE</i> , <b>2021</b> , 147, 06020001	1.7	2
168	Self-Triggered Scheduling for Boolean Control Networks. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , PP,	10.2	1
167	A New Framework for Automatic Detection of Motor and Mental Imagery EEG Signals for Robust BCI Systems. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2021</b> , 70, 1-12	5.2	14
166	Distributed Estimation Under Sensor Attacks: Linear and Nonlinear Measurement Models. <i>IEEE Transactions on Signal and Information Processing Over Networks</i> , <b>2021</b> , 7, 156-165	2.8	7
165	Simultaneous stable control of temperature field distribution uniformity and consistency for multi-temperature zone systems. <i>Transactions of the Institute of Measurement and Control</i> , <b>2021</b> , 43, 2069-2080	1.8	0
164	Info2vec: An aggregative representation method in multi-layer and heterogeneous networks. <i>Information Sciences</i> , <b>2021</b> , 574, 444-460	7.7	0
163	. <i>Journal of Modern Power Systems and Clean Energy</i> , <b>2021</b> , 9, 1018-1031	4	2
162	Minimum Dominating Set of Multiplex Networks: Definition, Application, and Identification. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2020</b> , 1-15	7.3	5
161	Information Cascades and the Collapse of Cooperation. <i>Scientific Reports</i> , <b>2020</b> , 10, 8004	4.9	2
160	Asymmetric interdependent networks with multiple-dependence relation. <i>Physical Review E</i> , <b>2020</b> , 101, 022314	2.4	6
159	Identifying disruptive contingencies for catastrophic cascading failures in power systems. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2020</b> , 123, 106214	5.1	2
158	Dynamics of opinion formation under majority rules on complex social networks. <i>Scientific Reports</i> , <b>2020</b> , 10, 456	4.9	1
157	Synchronization of networks over finite fields. <i>Automatica</i> , <b>2020</b> , 115, 108877	5.7	8
156	On the throughput optimization for message dissemination in opportunistic underwater sensor networks. <i>Computer Networks</i> , <b>2020</b> , 169, 107097	5.4	5
155	. <i>IEEE Transactions on Control of Network Systems</i> , <b>2020</b> , 7, 673-685	4	5

154	DHCD: Distributed Host-Based Collaborative Detection for FmDI Attacks. <i>Wireless Networks</i> , <b>2020</b> , 75-97	0.6	0
153	DDOA: A Dirichlet-Based Detection Scheme for Opportunistic Attacks. <i>Wireless Networks</i> , <b>2020</b> , 99-121	0.6	0
152	PFDD: On Feasibility and Limitations of Detecting FmDI Attacks Using D-FACTS. <i>Wireless Networks</i> , <b>2020</b> , 123-148	0.6	0
151	Control of mobile chaotic agents with jump-based connection adaption strategy. <i>New Journal of Physics</i> , <b>2020</b> , 22, 073032	2.9	1
150	SPNTA: Reliability Analysis Under Topology Attacks—A Stochastic Petri Net Approach. <i>Wireless Networks</i> , <b>2020</b> , 41-74	0.6	0
149	Fundamentals and Related Literature. <i>Wireless Networks</i> , <b>2020</b> , 23-40	0.6	0
148	Distributed consensus of heterogeneous multi-agent systems subject to switching topologies and delays. <i>Journal of the Franklin Institute</i> , <b>2020</b> , 357, 6899-6917	4	6
147	Match making in complex social networks. <i>Applied Mathematics and Computation</i> , <b>2020</b> , 371, 124928	2.7	1
146	Target control and expandable target control of complex networks. <i>Journal of the Franklin Institute</i> , <b>2020</b> , 357, 3541-3564	4	4
145	Bias in social interactions and emergence of extremism in complex social networks. <i>Chaos</i> , <b>2020</b> , 30, 103110	3.3	4
144	Adaptive consensus for heterogeneous multi-agent systems under sensor and actuator attacks. <i>Automatica</i> , <b>2020</b> , 122, 109242	5.7	7
143	Multiobjective Lightning Flash Algorithm Design and Its Convergence Analysis via Martingale Theory. <i>Complexity</i> , <b>2020</b> , 2020, 1-10	1.6	0
142	A robust optimization approach for protecting power systems against cascading blackouts. <i>Electric Power Systems Research</i> , <b>2020</b> , 189, 106794	3.5	2
141	A Time-Delay-Bounded Data Scheduling Algorithm for Delay Reduction in Distributed Networked Control Systems. <i>Mathematical Problems in Engineering</i> , <b>2020</b> , 2020, 1-12	1.1	1
140	Quasi-Synchronization of Heterogeneous Networks With a Generalized Markovian Topology and Event-Triggered Communication. <i>IEEE Transactions on Cybernetics</i> , <b>2020</b> , 50, 4200-4213	10.2	15
139	. <i>IEEE Transactions on Control of Network Systems</i> , <b>2020</b> , 7, 956-966	4	2
138	. <i>IEEE Transactions on Industrial Informatics</i> , <b>2020</b> , 16, 854-864	11.9	80
137	Early dengue outbreak detection modeling based on dengue incidences in Singapore during 2012 to 2017. <i>Statistics in Medicine</i> , <b>2020</b> , 39, 2101-2114	2.3	4

136	Design and Implementation of an Efficient Tracking Differentiator. <i>IEEE Access</i> , <b>2019</b> , 7, 101941-101949	3.5	3
135	Motor Imagery EEG Signals Classification Based on Mode Amplitude and Frequency Components Using Empirical Wavelet Transform. <i>IEEE Access</i> , <b>2019</b> , 7, 127678-127692	3.5	56
134	Risk Identification of Power Transmission System with Renewable Energy <b>2019</b> ,		1
133	Controllability of Markovian jump Boolean control networks. <i>Automatica</i> , <b>2019</b> , 106, 70-76	5.7	28
132	A model predictive approach to protect power systems against cascading blackouts. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2019</b> , 113, 310-321	5.1	8
131	High-precision tracking differentiator via generalized discrete-time optimal control. <i>ISA Transactions</i> , <b>2019</b> , 95, 144-151	5.5	5
130	Enhanced Connection Adaption Strategy With Partition Approach. <i>IEEE Access</i> , <b>2019</b> , 7, 34162-34169	3.5	3
129	Positioning, Navigation, and Book Accessing/Returning in an Autonomous Library Robot using Integrated Binocular Vision and QR Code Identification Systems. <i>Sensors</i> , <b>2019</b> , 19,	3.8	8
128	Virus Propagation and Patch Distribution in Multiplex Networks: Modeling, Analysis, and Optimal Allocation. <i>IEEE Transactions on Information Forensics and Security</i> , <b>2019</b> , 14, 1755-1767	8	41
127	A Simple Discrete-Time Tracking Differentiator and Its Application to Speed and Position Detection System for a Maglev Train. <i>IEEE Transactions on Control Systems Technology</i> , <b>2019</b> , 27, 1728-1734	4.8	11
126	Unscented Kalman Filter With Generalized Correntropy Loss for Robust Power System Forecasting-Aided State Estimation. <i>IEEE Transactions on Industrial Informatics</i> , <b>2019</b> , 15, 6091-6100	11.9	27
125	Towards insider threats detection in smart grid communication systems. <i>IET Communications</i> , <b>2019</b> , 13, 1728-1736	1.3	4
124	Crash dynamics of interdependent networks. <i>Scientific Reports</i> , <b>2019</b> , 9, 14574	4.9	3
123	Identifying critical risks of cascading failures in power systems. <i>IET Generation, Transmission and Distribution</i> , <b>2019</b> , 13, 2438-2445	2.5	6
122	Output Feedback Control of Markovian Switching Boolean Control Networks <b>2019</b> ,		4
121	Motor Imagery EEG Signals Decoding by Multivariate Empirical Wavelet Transform-Based Framework for Robust Brain-Computer Interfaces. <i>IEEE Access</i> , <b>2019</b> , 7, 171431-171451	3.5	56
120	Distributed sweep coverage algorithm of multi-agent systems using workload memory. <i>Systems and Control Letters</i> , <b>2019</b> , 124, 75-82	2.4	5
119	Iterative expectation maximization for reliable social sensing with information flows. <i>Information Sciences</i> , <b>2019</b> , 501, 621-634	7.7	6

118	Universal behavior of the linear threshold model on weighted networks. <i>Journal of Parallel and Distributed Computing</i> , <b>2019</b> , 123, 223-229	4.4	4
117	Opinion formation on multiplex scale-free networks. <i>Europhysics Letters</i> , <b>2018</b> , 121, 26002	1.6	8
116	Closed-form solution of discrete-time optimal control and its convergence. <i>IET Control Theory and Applications</i> , <b>2018</b> , 12, 413-418	2.5	10
115	Enabling Controlling Complex Networks with Local Topological Information. <i>Scientific Reports</i> , <b>2018</b> , 8, 4593	4.9	16
114	A Network-Based Impact Measure for Propagated Losses in a Supply Chain Network Consisting of Resilient Components. <i>Complexity</i> , <b>2018</b> , 2018, 1-13	1.6	3
113	Matrix function optimization under weighted boundary constraints and its applications in network control. <i>ISA Transactions</i> , <b>2018</b> , 80, 232-243	5.5	
112	Tracking Differentiator via Time Criterion <b>2018</b> ,		3
111	Energy Generation Scheduling in Microgrids Involving Temporal-Correlated Renewable Energy <b>2018</b> , 69-81		
110	Intelligent Microgrid Management and EV Control Under Uncertainties in Smart Grid <b>2018</b> ,		4
109	PAMA: A Proactive Approach to Mitigate False Data Injection Attacks in Smart Grids <b>2018</b> ,		3
108	A colored mean-field model for analyzing the effects of awareness on epidemic spreading in multiplex networks. <i>Chaos</i> , <b>2018</b> , 28, 103116	3.3	8
107	Defending Against False Data Injection Attacks on Power System State Estimation. <i>IEEE Transactions on Industrial Informatics</i> , <b>2017</b> , 13, 198-207	11.9	172
106	Hybrid Centralized-Decentralized (HCD) Charging Control of Electric Vehicles. <i>IEEE Transactions on Vehicular Technology</i> , <b>2017</b> , 66, 6728-6741	6.8	35
105	Opinion diversity and community formation in adaptive networks. <i>Chaos</i> , <b>2017</b> , 27, 103115	3.3	9
104	Connection adaption for control of networked mobile chaotic agents. <i>Scientific Reports</i> , <b>2017</b> , 7, 16069	4.9	5
103	False Data Injection on State Estimation in Power Systems-Attacks, Impacts, and Defense: A Survey. <i>IEEE Transactions on Industrial Informatics</i> , <b>2017</b> , 13, 411-423	11.9	245
102	Infection spreading, detection and control in community networks. <i>Journal of Complex Networks</i> , <b>2017</b> , 5, 625-640	1.7	1
101	HMM-Based Fast Detection of False Data Injections in Advanced Metering Infrastructure <b>2017</b> ,		6

100	Comparing different models for investigating cascading failures in power systems <b>2017</b> ,		2
99	Mean First Passage Time of Preferential Random Walks on Complex Networks with Applications. <i>Mathematical Problems in Engineering</i> , <b>2017</b> , 2017, 1-14	1.1	3
98	Heuristic Strategies for Persuader Selection in Contagions on Complex Networks. <i>PLoS ONE</i> , <b>2017</b> , 12, e0169771	3.7	1
97	Minimum-cost control of complex networks. <i>New Journal of Physics</i> , <b>2016</b> , 18, 013012	2.9	43
96	Two-Stage Mechanism for Massive Electric Vehicle Charging Involving Renewable Energy. <i>IEEE Transactions on Vehicular Technology</i> , <b>2016</b> , 65, 4159-4171	6.8	62
95	The robustness of interdependent networks under the interplay between cascading failures and virus propagation. <i>Europhysics Letters</i> , <b>2016</b> , 115, 58004	1.6	20
94	System crash as dynamics of complex networks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 11726-11731	11.5	63
93	An efficient mechanism for dynamic survivable multicast traffic grooming. <i>Optical Fiber Technology</i> , <b>2015</b> , 23, 1-12	2.4	2
92	Maximizing lifetime in clustered WSNs with energy harvesting relay: Profiling and modeling <b>2015</b> ,		4
91	A robust optimization approach for energy generation scheduling in microgrids. <i>Energy Conversion and Management</i> , <b>2015</b> , 106, 597-607	10.6	90
90	. <i>IEEE Transactions on Signal Processing</i> , <b>2015</b> , 63, 6122-6135	4.8	20
89	Network infection source identification under the SIRI model <b>2015</b> ,		5
88	Fast Distributed Demand Response With Spatially and Temporally Coupled Constraints in Smart Grid. <i>IEEE Transactions on Industrial Informatics</i> , <b>2015</b> , 11, 1597-1606	11.9	66
87	Multimodal fusion for sensor data using stacked autoencoders <b>2015</b> ,		4
86	An efficient mechanism for dynamic multicast traffic grooming in overlay IP/MPLS over WDM networks. <i>Optical Fiber Technology</i> , <b>2014</b> , 20, 341-352	2.4	8
85	Power demand and supply management in microgrids with uncertainties of renewable energies. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2014</b> , 63, 260-269	5.1	62
84	Two-stage mechanism design for electric vehicle charging involving renewable energy <b>2014</b> ,		1
83	On early detection of strong infections in complex networks. <i>Journal of Physics A: Mathematical and Theoretical</i> , <b>2014</b> , 47, 065101	2	4

82	Distributed Event Detection in Sensor Networks under Random Spatial Deployment <b>2014</b> ,		3
81	Algorithms for finding best locations of cluster heads for minimizing energy consumption in wireless sensor networks. <i>Wireless Networks</i> , <b>2013</b> , 19, 1755-1768	2.5	17
80	Clustering algorithms for maximizing the lifetime of wireless sensor networks with energy-harvesting sensors. <i>Computer Networks</i> , <b>2013</b> , 57, 2689-2704	5.4	87
79	Historical data learning based dynamic LSP routing for overlay IP/MPLS over WDM networks. <i>Optical Fiber Technology</i> , <b>2013</b> , 19, 309-318	2.4	5
78	Link-based formalism for time evolution of adaptive networks. <i>Physical Review E</i> , <b>2013</b> , 88, 032808	2.4	9
77	Dynamic Multicast Traffic Grooming in Optical WDM Mesh Networks: Lightpath Versus Light-Tree. <i>Journal of Optical Communications and Networking</i> , <b>2013</b> , 5, 870	4.1	11
76	Connection level segment shared protection for dynamic multicast traffic grooming <b>2013</b> ,		2
75	Self-clocking principle for congestion control in the Internet. <i>Automatica</i> , <b>2012</b> , 48, 425-429	5.7	1
74	Local self-optimizing control of constrained processes. <i>Journal of Process Control</i> , <b>2012</b> , 22, 488-493	3.9	23
73	Distributed relay scheduling for maximizing lifetime in clustered wireless sensor networks <b>2012</b> ,		1
72	Epidemics spreading in interconnected complex networks. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2012</b> , 376, 2689-2696	2.3	21
71	Dynamics of competing ideas in complex social systems. <i>New Journal of Physics</i> , <b>2012</b> , 14, 013015	2.9	42
70	Epidemic reemergence in adaptive complex networks. <i>Physical Review E</i> , <b>2012</b> , 85, 036107	2.4	41
69	Selection of Self-Optimizing Controlled Variables for Dynamic Processes. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2012</b> , 45, 774-779		4
68	Evaluating temporal factors in combined interventions of workforce shift and school closure for mitigating the spread of influenza. <i>PLoS ONE</i> , <b>2012</b> , 7, e32203	3.7	14
67	PID controller design based on two-degrees-of-freedom direct synthesis <b>2011</b> ,		8
66	A preliminary study on lifetime maximization in clustered wireless sensor networks with energy harvesting nodes <b>2011</b> ,		4
65	Effects of fear factors in disease propagation. <i>Journal of Physics A: Mathematical and Theoretical</i> , <b>2011</b> , 44, 355101	2	6



64	Local Self-optimizing Control with Input and Output Constraints. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2011</b> , 44, 9850-9855			1
63	Temporal factors in school closure policy for mitigating the spread of influenza. <i>Journal of Public Health Policy</i> , <b>2011</b> , 32, 180-97	2.9		12
62	On imperfect node protection in complex communication networks. <i>Journal of Physics A: Mathematical and Theoretical</i> , <b>2011</b> , 44, 055101	2		1
61	Effects of node protections against intentional attack in complex communication networks <b>2011</b> ,			1
60	Analytical ProportionalIntegral (PI) Controller Tuning Using Closed-Loop Setpoint Response. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2011</b> , 50, 2461-2466	3.9		6
59	Upgrading unicast nodes to multicast-capable nodes in all-optical networks. <i>Computer Networks</i> , <b>2011</b> , 55, 2005-2021	5.4		2
58	An analytical method for PID controller tuning with specified gain and phase margins for integral plus time delay processes. <i>ISA Transactions</i> , <b>2011</b> , 50, 268-76	5.5		35
57	Effects of Interconnections on Epidemics in Network of Networks <b>2011</b> ,			9
56	Simple analytic formulas for PID tuning <b>2010</b> ,			4
55	Robustness of scale-free networks under rewiring operations. <i>Europhysics Letters</i> , <b>2010</b> , 89, 38002	1.6		22
54	Tolerance of local information-based intentional attacks in complex networks. <i>Journal of Physics A: Mathematical and Theoretical</i> , <b>2010</b> , 43, 335101	2		4
53	Decentralized Control System Design for MIMO Processes with Integrators/Differentiators. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2010</b> , 49, 12521-12528	3.9		17
52	All-optical modulation-transparent wavelength multicasting in a highly nonlinear fiber Sagnac loop mirror. <i>Optics Express</i> , <b>2010</b> , 18, 10343-53	3.3		13
51	Performance Comparison of Using SOA and HNLF as FWM Medium in a Wavelength Multicasting Scheme With Reduced Polarization Sensitivity. <i>Journal of Lightwave Technology</i> , <b>2010</b> ,	4		9
50	Relative gain array for MIMO processes containing integrators and/or differentiators <b>2010</b> ,			6
49	Generation of arbitrary two-point correlated directed networks with given modularity. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2010</b> , 374, 3129-3135	2.3		7
48	Optical Wavelength Multicasting Based on Four Wave Mixing in Highly Nonlinear Fiber with Reduced Polarization Sensitivity <b>2010</b> ,			1
47	Key node selection for containing infectious disease spread using particle swarm optimization <b>2009</b> ,			1

46	Design of Congestion Control Based on Instantaneous Queue Sizes in the Routers <b>2009</b> ,		3
45	On the performance of distributed lightpath provisioning with dynamic routing and wavelength assignment. <i>Photonic Network Communications</i> , <b>2009</b> , 17, 191-201	1.7	3
44	Imperfect targeted immunization in scale-free networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2009</b> , 388, 2535-2546	3.3	29
43	. <i>Journal of Lightwave Technology</i> , <b>2009</b> , 27, 833-840	4	
42	Stimulate Brillouin Scattering Based Broadband Tunable Slow-Light Conversion in a Highly Nonlinear Photonic Crystal Fiber. <i>Journal of Lightwave Technology</i> , <b>2009</b> , 27, 1279-1285	4	8
41	<b>2009</b> ,		1
40	Historical data learning based dynamic LSP routing for overlay IP over WDM networks <b>2009</b> ,		1
39	HPCgen A Fast Generator of Contact Networks of Large Urban Cities for Epidemiological Studies <b>2009</b> ,		5
38	A Preliminary Study on the Effects of Fear Factors in Disease Propagation. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , <b>2009</b> , 1387-1397 <sup>0.2</sup>		
37	Pump-Suppressed Nondegenerate Four-Wave Mixing in a Highly Nonlinear Photonic Crystal Fiber Sagnac Loop. <i>IEEE Photonics Technology Letters</i> , <b>2008</b> , 20, 2129-2131	2.2	4
36	<b>2008</b> , 46, 146-152		32
35	Robustness of complex communication networks under link attacks <b>2008</b> ,		7
34	Performance evaluation of multi-fiber optical packet switches. <i>Computer Networks</i> , <b>2007</b> , 51, 995-1012	5.4	5
33	On the performance of different node configurations in multi-fiber optical packet-switched networks. <i>Photonic Network Communications</i> , <b>2007</b> , 14, 11-22	1.7	3
32	Design Principles and Formulation for Optical SMART Networks <b>2007</b> ,		1
31	. <i>IEEE Journal on Selected Areas in Communications</i> , <b>2007</b> , 25, 108-117	14.2	7
30	An Evaluation of Distributed Parallel Reservations in Wavelength-Routed Networks. <i>IEEE Journal on Selected Areas in Communications</i> , <b>2007</b> , 25, 27-39	14.2	6
29	Evolutionary algorithms refining a heuristic: a hybrid method for shared-path protections in WDM networks under SRLG constraints. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , <b>2007</b> , 37, 51-61		25

28	On local link repairing in complex communication networks under intentional attack <b>2007</b> ,		1
27	A new contention-resolution scheme for time-critical applications in multifiber optical packet-switched networks. <i>Microwave and Optical Technology Letters</i> , <b>2006</b> , 48, 717-719	1.2	1
26	Algorithms for Energy-Efficient Clustering in Wireless Sensor Networks <b>2006</b> ,		2
25	The Performance of Periodic Link-State Update in Wavelength-Routed Networks <b>2006</b> ,		2
24	<b>2006</b> ,		7
23	A novel method of link-state update in wavelength-routed networks. <i>Journal of Lightwave Technology</i> , <b>2006</b> , 24, 1112-1120	4	7
22	Benefits of advertising wavelength availability in distributed lightpath establishment. <i>Computer Networks</i> , <b>2006</b> , 50, 2364-2379	5.4	7
21	A network flow approach for static and dynamic traffic grooming in WDM networks. <i>Computer Networks</i> , <b>2006</b> , 50, 3400-3415	5.4	3
20	Hybrid protection in WDM networks with shared risk link groups. <i>Photonic Network Communications</i> , <b>2006</b> , 12, 295-307	1.7	6
19	Heuristics for Diverse Routing in Wavelength-Routed Networks with Shared Risk Link Groups. <i>Photonic Network Communications</i> , <b>2006</b> , 11, 29-38	1.7	6
18	. <i>IEEE/ACM Transactions on Networking</i> , <b>2005</b> , 13, 187-197	3.8	50
17	Evaluating link-state update triggers in wavelength-routed networks <b>2005</b> ,		6
16	Fixed-wavelength conversion for contention resolution in optical packet switches. <i>Microwave and Optical Technology Letters</i> , <b>2004</b> , 41, 185-187	1.2	
15	On the benefits of multifiber optical packet switch. <i>Microwave and Optical Technology Letters</i> , <b>2004</b> , 43, 376-378	1.2	16
14	An evaluation of distributed wavelength provisioning in WDM optical networks with sparse wavelength conversion. <i>Journal of Lightwave Technology</i> , <b>2004</b> , 22, 1668-1678	4	3
13	. <i>IEEE Journal on Selected Areas in Communications</i> , <b>2003</b> , 21, 1285-1294	14.2	17
12	Heuristic for the maximum disjoint paths problem in wavelength-routed networks with shared-risk link groups [Invited]. <i>Journal of Optical Networking</i> , <b>2003</b> , 3, 38		9
11	. <i>IEEE Transactions on Communications</i> , <b>2002</b> , 50, 135-145	6.9	8

10	Corrections to "design of node configuration for all-optical multi-fiber networks". <i>IEEE Transactions on Communications</i> , <b>2002</b> , 50, 686-686	6.9	
9	Two-stage cut saturation algorithm for designing all-optical networks. <i>IEEE Transactions on Communications</i> , <b>2001</b> , 49, 1102-1115	6.9	12
8	Allocation of Wavelength Converters in All-Optical Networks. <i>Network Theory and Applications</i> , <b>2001</b> , 299-345		1
7	Algorithms for allocating wavelength converters in all-optical networks. <i>IEEE/ACM Transactions on Networking</i> , <b>1999</b> , 7, 545-557	3.8	60
6	Cost-effective WDM broadcast-and-select networks for all-to-all transmission schedules. <i>Journal of Systems Architecture</i> , <b>1998</b> , 45, 115-129	5.5	1
5	Behavior of distributed wavelength provisioning in wavelength-routed networks with partial wavelength conversion		2
4	Blocking analysis of multifiber wavelength-routed networks		1
3	Analysis of blocking probability for connection management schemes in optical networks		11
2	Blocking analysis of dynamic lightpath establishment in wavelength-routed networks		2
1	An adaptive routing algorithm for wavelength-routed optical networks with a distributed control scheme		23