

Erol Gelenbe

List of Publications by Citations

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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.

374
papers

10,519
citations

56
h-index

90
g-index

402
ext. papers

11,933
ext. citations

2.5
avg, IF

6.94
L-index

#	Paper	IF	Citations
374	Random Neural Networks with Negative and Positive Signals and Product Form Solution. <i>Neural Computation</i> , 1989 , 1, 502-510	2.9	450
373	Energy-Efficient Cloud Computing. <i>Computer Journal</i> , 2010 , 53, 1045-1051	1.3	417
372	A survey of autonomic communications. <i>ACM Transactions on Autonomous and Adaptive Systems</i> , 2006 , 1, 223-259	1.2	398
371	Product-form queueing networks with negative and positive customers. <i>Journal of Applied Probability</i> , 1991 , 28, 656-663	0.8	347
370	Learning in the Recurrent Random Neural Network. <i>Neural Computation</i> , 1993 , 5, 154-164	2.9	285
369	On Approximate Computer System Models. <i>Journal of the ACM</i> , 1975 , 22, 261-269	2	182
368	G-networks by triggered customer movement. <i>Journal of Applied Probability</i> , 1993 , 30, 742-748	0.8	181
367	Stability of the Random Neural Network Model. <i>Neural Computation</i> , 1990 , 2, 239-247	2.9	170
366	On the Optimum Checkpoint Interval. <i>Journal of the ACM</i> , 1979 , 26, 259-270	2	156
365	Steps toward self-aware networks. <i>Communications of the ACM</i> , 2009 , 52, 66-75	2.5	148
364	Stability and Optimal Control of the Packet Switching Broadcast Channel. <i>Journal of the ACM</i> , 1977 , 24, 375-386	2	143
363	G-Networks with Signals and Batch Removal. <i>Probability in the Engineering and Informational Sciences</i> , 1993 , 7, 335-342	0.6	139
362	The impact of information technology on energy consumption and carbon emissions. <i>Ubiquity</i> , 2015 , 2015, 1-15	0.3	124
361	Distributed Building Evacuation Simulator for Smart Emergency Management. <i>Computer Journal</i> , 2010 , 53, 1384-1400	1.3	122
360	Queues with negative arrivals. <i>Journal of Applied Probability</i> , 1991 , 28, 245-250	0.8	116
359	G-networks: a unifying model for neural and queueing networks. <i>Annals of Operations Research</i> , 1994 , 48, 433-461	3.2	115
358	Random neural networks with synchronized interactions. <i>Neural Computation</i> , 2008 , 20, 2308-24	2.9	112

357	A Manifesto for Future Generation Cloud Computing. <i>ACM Computing Surveys</i> , 2019 , 51, 1-38	13.4	110
356	Large scale simulation for human evacuation and rescue. <i>Computers and Mathematics With Applications</i> , 2012 , 64, 3869-3880	2.7	109
355	G-networks by triggered customer movement. <i>Journal of Applied Probability</i> , 1993 , 30, 742-748	0.8	106
354	G-networks with multiple classes of negative and positive customers. <i>Theoretical Computer Science</i> , 1996 , 155, 141-156	1.1	105
353	The first decade of G-networks. <i>European Journal of Operational Research</i> , 2000 , 126, 231-232	5.6	104
352	Power-aware ad hoc cognitive packet networks. <i>Ad Hoc Networks</i> , 2004 , 2, 205-216	4.8	102
351	Self-aware networks and QoS. <i>Proceedings of the IEEE</i> , 2004 , 92, 1478-1489	14.3	102
350	A self-aware approach to denial of service defence. <i>Computer Networks</i> , 2007 , 51, 1299-1314	5.4	101
349	Autonomous search by robots and animals: A survey. <i>Robotics and Autonomous Systems</i> , 1997 , 22, 23-34	3.5	95
348	Performance of rollback recovery systems under intermittent failures. <i>Communications of the ACM</i> , 1978 , 21, 493-499	2.5	95
347	G-networks with multiple classes of signals and positive customers. <i>European Journal of Operational Research</i> , 1998 , 108, 293-305	5.6	94
346	Stability of Product Form G-Networks. <i>Probability in the Engineering and Informational Sciences</i> , 1992 , 6, 271-276	0.6	93
345	Learning in the multiple class random neural network. <i>IEEE Transactions on Neural Networks</i> , 2002 , 13, 1257-67		91
344	A Framework for Energy-Aware Routing in Packet Networks. <i>Computer Journal</i> , 2011 , 54, 850-859	1.3	88
343	Random neural networks with multiple classes of signals. <i>Neural Computation</i> , 1999 , 11, 953-63	2.9	88
342	Contract Design for Traffic Offloading and Resource Allocation in Heterogeneous Ultra-Dense Networks. <i>IEEE Journal on Selected Areas in Communications</i> , 2017 , 35, 2457-2467	14.2	87
341	G-networks with resets. <i>Performance Evaluation</i> , 2002 , 49, 179-191	1.2	87
340	A Unified Approach to the Evaluation of a Class of Replacement Algorithms. <i>IEEE Transactions on Computers</i> , 1973 , C-22, 611-618	2.5	87

339	Design and performance of cognitive packet networks. <i>Performance Evaluation</i> , 2001 , 46, 155-176	1.2	84
338	Measurement and performance of a cognitive packet network. <i>Computer Networks</i> , 2001 , 37, 691-701	5.4	82
337	Probabilistic models of computer systemsPart I (exact results). <i>Acta Informatica</i> , 1976 , 7, 35-60	0.9	81
336	Probabilistic models of computer systems. <i>Acta Informatica</i> , 1979 , 12, 285-303	0.9	80
335	An End-to-End Approach to the Resequencing Problem. <i>Journal of the ACM</i> , 1984 , 31, 474-485	2	73
334	Search in unknown random environments. <i>Physical Review E</i> , 2010 , 82, 061112	2.4	72
333	Global behavior of homogeneous random neural systems. <i>Applied Mathematical Modelling</i> , 1991 , 15, 534-541	4.5	72
332	Autonomous search for mines. <i>European Journal of Operational Research</i> , 1998 , 108, 319-333	5.6	71
331	On the modeling of parallel access to shared data. <i>Communications of the ACM</i> , 1983 , 26, 196-202	2.5	70
330	Adaptive Dispatching of Tasks in the Cloud. <i>IEEE Transactions on Cloud Computing</i> , 2018 , 6, 33-45	3.3	69
329	Traffic and video quality with adaptive neural compression. <i>Multimedia Systems</i> , 1996 , 4, 357-369	2.2	69
328	Simulating autonomous agents in augmented reality. <i>Journal of Systems and Software</i> , 2005 , 74, 255-268	3.3	67
327	Future Research on Cyber-Physical Emergency Management Systems. <i>Future Internet</i> , 2013 , 5, 336-354	3.3	65
326	Deep Learning with Dense Random Neural Network for Detecting Attacks against IoT-connected Home Environments. <i>Procedia Computer Science</i> , 2018 , 134, 458-463	1.6	61
325	Opportunistic Communications for Emergency Support Systems. <i>Procedia Computer Science</i> , 2011 , 5, 39-47	1.6	60
324	Function approximation with spiked random networks. <i>IEEE Transactions on Neural Networks</i> , 1999 , 10, 3-9		60
323	Improved neural heuristics for multicast routing. <i>IEEE Journal on Selected Areas in Communications</i> , 1997 , 15, 147-155	14.2	59
322	Dealing with software viruses: A biological paradigm. <i>Information Security Technical Report</i> , 2007 , 12, 242-250		59

321	Neural network methods for volumetric magnetic resonance imaging of the human brain. <i>Proceedings of the IEEE</i> , 1996 , 84, 1488-1496	14.3	59
320	. <i>Proceedings of the IEEE</i> , 2001 , 89, 148-157	14.3	58
319	Product-form queueing networks with negative and positive customers. <i>Journal of Applied Probability</i> , 1991 , 28, 656-663	0.8	58
318	Area-based results for mine detection. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2000 , 38, 12-24	8.1	56
317	Steady-state solution of probabilistic gene regulatory networks. <i>Physical Review E</i> , 2007 , 76, 031903	2.4	55
316	Low bit-rate video compression with neural networks and temporal subsampling. <i>Proceedings of the IEEE</i> , 1996 , 84, 1529-1543	14.3	55
315	A distributed decision support system for Building Evacuation 2009 ,		54
314	Sensible decisions based on QoS. <i>Computational Management Science</i> , 2003 , 1, 1	1	54
313	Video quality and traffic QoS in learning-based subsampled and receiver-interpolated video sequences. <i>IEEE Journal on Selected Areas in Communications</i> , 2000 , 18, 150-167	14.2	54
312	Energy Packet Networks With Energy Harvesting. <i>IEEE Access</i> , 2016 , 4, 1321-1331	3.5	51
311	Energy packet networks 2012 ,		50
310	Genetic algorithms for route discovery. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2006 , 36, 1247-54		50
309	Synchronising Energy Harvesting and Data Packets in a Wireless Sensor. <i>Energies</i> , 2015 , 8, 356-369	3.1	46
308	Task assignment and transaction clustering heuristics for distributed systems. <i>Information Sciences</i> , 1997 , 97, 199-219	7.7	46
307	THE RANDOM NEURAL NETWORK MODEL FOR TEXTURE GENERATION. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , 1992 , 06, 131-141	1.1	46
306	Emergency Response Simulation Using Wireless Sensor Networks 2008 ,		46
305	Big Data for Autonomic Intercontinental Overlays. <i>IEEE Journal on Selected Areas in Communications</i> , 2016 , 34, 575-583	14.2	42
304	Choosing a Local or Remote Cloud 2012 ,		41

303	Analysis of single and networked auctions. <i>ACM Transactions on Internet Technology</i> , 2009 , 9, 1-24	3.8	41
302	PARALLEL ALGORITHM FOR COLOUR TEXTURE GENERATION USING THE RANDOM NEURAL NETWORK MODEL. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , 1992 , 06, 437-446	1.1	40
301	Emergency navigation without an infrastructure. <i>Sensors</i> , 2014 , 14, 15142-62	3.8	38
300	Bandwidth allocation and call admission control in high-speed networks 1997 , 35, 122-129		37
299	Availability of a distributed computer system with failures. <i>Acta Informatica</i> , 1986 , 23, 643-655	0.9	37
298	A diffusion model for packet travel time in a random multihop medium. <i>ACM Transactions on Sensor Networks</i> , 2007 , 3, 10	2.9	36
297	Deep learning with random neural networks 2016 ,		34
296	Optimum checkpoints with age dependent failures. <i>Acta Informatica</i> , 1990 , 27, 519	0.9	34
295	Interconnected Wireless Sensors with Energy Harvesting. <i>Lecture Notes in Computer Science</i> , 2015 , 87-99	0.9	34
294	Towards Networks with Cognitive Packets 2001 , 3-17		34
293	Time and energy in team-based search. <i>Physical Review E</i> , 2013 , 87,	2.4	33
292	EnergyQoS Trade-Offs in Mobile Service Selection. <i>Future Internet</i> , 2013 , 5, 128-139	3.3	33
291	A sensor node with energy harvesting. <i>Performance Evaluation Review</i> , 2014 , 42, 37-39	0.4	33
290	Managing Crowds in Hazards With Dynamic Grouping. <i>IEEE Access</i> , 2015 , 3, 1060-1070	3.5	32
289	Top- k Query Result Completeness Verification in Tiered Sensor Networks. <i>IEEE Transactions on Information Forensics and Security</i> , 2014 , 9, 109-124	8	32
288	Graph and Analytical Models for Emergency Evacuation. <i>Future Internet</i> , 2013 , 5, 46-55	3.3	32
287	Fast Distributed Near-Optimum Assignment of Assets to Tasks. <i>Computer Journal</i> , 2010 , 53, 1360-1369	1.3	32
286	Autonomous smart routing for network QoS		32

285	Modeling and Analysis of RRC-Based Signalling Storms in 3G Networks. <i>IEEE Transactions on Emerging Topics in Computing</i> , 2016 , 4, 113-127	4.1	30
284	Synchronized Interactions in Spiked Neuronal Networks. <i>Computer Journal</i> , 2008 , 51, 723-730	1.3	29
283	An Analytic Evaluation of the Performance of the "Send and Wait" Protocol. <i>IRE Transactions on Communications Systems</i> , 1978 , 26, 313-319		29
282	Towards a cognitive routing engine for software defined networks 2016 ,		28
281	Detecting Denial of Service Attacks with Bayesian Classifiers and the Random Neural Network. <i>IEEE International Conference on Fuzzy Systems</i> , 2007 ,		28
280	Stochastic gene expression modeling with Hill function for switch-like gene responses. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2012 , 9, 973-9	3	26
279	Diffusion based statistical call admission control in ATM. <i>Performance Evaluation</i> , 1996 , 27-28, 411-436	1.2	26
278	Optimizing Secure SDN-Enabled Inter-Data Centre Overlay Networks through Cognitive Routing 2016 ,		26
277	Signalling storms in 3G mobile networks 2014 ,		25
276	Cognitive Packet Network for Bilateral Asymmetric Connections. <i>IEEE Transactions on Industrial Informatics</i> , 2014 , 10, 1717-1725	11.9	25
275	Natural Computation. <i>Computer Journal</i> , 2012 , 55, 848-851	1.3	25
274	Adaptive QoS routing for significant events in wireless sensor networks 2008 ,		25
273	NEMESYS: Enhanced Network Security for Seamless Service Provisioning in the Smart Mobile Ecosystem. <i>Lecture Notes in Electrical Engineering</i> , 2013 , 369-378	0.2	24
272	An OpenNCP-based Solution for Secure eHealth Data Exchange. <i>Journal of Network and Computer Applications</i> , 2018 , 116, 65-85	7.9	24
271	Self-Aware Networks That Optimize Security, QoS, and Energy. <i>Proceedings of the IEEE</i> , 2020 , 108, 1150-1167	11.6	23
270	Admission of QoS aware users in a smart network. <i>ACM Transactions on Autonomous and Adaptive Systems</i> , 2008 , 3, 1-28	1.2	23
269	On G-networks and resource allocation in multimedia systems. <i>European Journal of Operational Research</i> , 2000 , 126, 308-318	5.6	23
268	Mobile Network Anomaly Detection and Mitigation: The NEMESYS Approach. <i>Lecture Notes in Electrical Engineering</i> , 2013 , 429-438	0.2	23

267	Central or distributed energy storage for processors with energy harvesting 2015 ,		22
266	Energy harvesting communication networks: Optimization and demonstration (the E-CROPS project) 2013 ,		22
265	Reducing power consumption in wired networks 2009 ,		22
264	Energy Packet Networks: ICT Based Energy Allocation and Storage. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2012 , 186-195	0.2	22
263	Double Auction Mechanism Design for Video Caching in Heterogeneous Ultra-Dense Networks. <i>IEEE Transactions on Wireless Communications</i> , 2019 , 18, 1669-1683	9.6	21
262	Oscillatory corticothalamic response to somatosensory input. <i>BioSystems</i> , 1998 , 48, 67-75	1.9	21
261	Network of interacting synthetic molecules in steady state. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2008 , 464, 2219-2228	2.4	21
260	Queues with negative arrivals. <i>Journal of Applied Probability</i> , 1991 , 28, 245-250	0.8	21
259	A probability model of uncertainty in data bases 1986 ,		21
258	An Energy Packet Network model for mobile networks with energy harvesting. <i>Nonlinear Theory and Its Applications IEICE</i> , 2018 , 9, 322-336	0.6	20
257	Adaptive workload distribution for local and remote Clouds 2016 ,		20
256	Static Analysis-Based Approaches for Secure Software Development. <i>Communications in Computer and Information Science</i> , 2018 , 142-157	0.3	19
255	What IS Can Do for Environmental Sustainability: A Report from CAiSE11 Panel on Green and Sustainable IS. <i>Communications of the Association for Information Systems</i> , 2012 , 30,	1.3	19
254	Queues with Slowly Varying Arrival and Service Processes. <i>Management Science</i> , 1990 , 36, 928-937	3.9	19
253	An analysis of parallel-read sequential-write systems. <i>Performance Evaluation</i> , 1981 , 1, 62-69	1.2	19
252	Deep Learning with Dense Random Neural Networks for Detecting Attacks Against IoT-Connected Home Environments. <i>Communications in Computer and Information Science</i> , 2018 , 79-89	0.3	18
251	G-Networks with Adders. <i>Future Internet</i> , 2017 , 9, 34	3.3	18
250	Identifying disease candidate genes via large-scale gene network analysis. <i>International Journal of Data Mining and Bioinformatics</i> , 2014 , 10, 175-88	0.5	18

249	A class of genetic algorithms with analytical solution. <i>Robotics and Autonomous Systems</i> , 1997 , 22, 59-64	3.5	18
248	Wafer surface reconstruction from top-down scanning electron microscope images. <i>Microelectronic Engineering</i> , 2004 , 75, 216-233	2.5	18
247	The European cross-border health data exchange roadmap: Case study in the Italian setting. <i>Journal of Biomedical Informatics</i> , 2019 , 94, 103183	10.2	17
246	Energy Life-Time of Wireless Nodes with Network Attacks and Mitigation 2018 ,		17
245	Product-Form Solution for Cascade Networks With Intermittent Energy. <i>IEEE Systems Journal</i> , 2019 , 13, 918-927	4.3	17
244	Packet Delay and Energy Consumption in Non-homogeneous Networks. <i>Computer Journal</i> , 2012 , 55, 950-964	1.3	17
243	Flow equivalence and stochastic equivalence in G-networks. <i>Computational Management Science</i> , 2004 , 1, 179	1	17
242	An autonomic approach to denial of service defence		17
241	QoS and routing in the cognitive packet network		17
240	Comprehensive user requirements engineering methodology for secure and interoperable health data exchange. <i>BMC Medical Informatics and Decision Making</i> , 2018 , 18, 85	3.6	17
239	. <i>IEEE Systems Journal</i> , 2019 , 13, 3770-3780	4.3	16
238	Storms in mobile networks 2014 ,		16
237	Adaptive Random Re-Routing for Differentiated QoS in Sensor Networks. <i>Computer Journal</i> , 2010 , 53, 1052-1061	1.3	16
236	Random Injection Control of Multiprogramming in Virtual Memory. <i>IEEE Transactions on Software Engineering</i> , 1978 , SE-4, 2-17	3.5	16
235	Single-cell based random neural network for deep learning 2017 ,		15
234	Reconstruction of large-scale gene regulatory networks using Bayesian model averaging. <i>IEEE Transactions on Nanobioscience</i> , 2012 , 11, 259-65	3.4	15
233	Information-aware traffic reduction for wireless sensor networks 2009 ,		15
232	Hyperion Next-Generation Battlespace Information Services. <i>Computer Journal</i> , 2007 , 50, 632-645	1.3	15

231	Block loss reduction in ATM networks. <i>Computer Communications</i> , 1996 , 19, 1077-1091	5.1	15
230	Adaptive Allocation of Central Processing Unit Quanta. <i>Journal of the ACM</i> , 1976 , 23, 97-102	2	15
229	A Diffusion Model for Energy Harvesting Sensor Nodes 2016 ,		15
228	Search in the universe of big networks and data. <i>IEEE Network</i> , 2014 , 28, 20-25	11.4	14
227	Power Savings in Packet Networks via Optimised Routing. <i>Mobile Networks and Applications</i> , 2012 , 17, 152-159	2.9	14
226	Biological Metaphors for Agent Behavior. <i>Lecture Notes in Computer Science</i> , 2004 , 667-675	0.9	14
225	Security for Internet of Things: The SerIoT Project 2018 ,		14
224	Spatial Computers for Emergency Support. <i>Computer Journal</i> , 2013 , 56, 1399-1416	1.3	13
223	Demonstrating cognitive packet network resilience to worm attacks 2010 ,		13
222	Anomaly detection in gene expression via stochastic models of gene regulatory networks. <i>BMC Genomics</i> , 2009 , 10 Suppl 3, S26	4.5	13
221	On the size of projections: I. <i>Information Processing Letters</i> , 1982 , 14, 18-21	0.8	13
220	MINIMUM GRAPH VERTEX COVERING WITH THE RANDOM NEURAL NETWORK 1992 , 139-147		13
219	Packet transmission with K energy packets in an energy harvesting sensor 2016 ,		12
218	Research and Innovation Action for the Security of the Internet of Things: The SerIoT Project. <i>Communications in Computer and Information Science</i> , 2018 , 101-118	0.3	12
217	Disruption tolerant communications for large scale emergency evacuation 2013 ,		12
216	Emergency Cyber-Physical-Human Systems 2012 ,		12
215	. <i>IEEE Transactions on Education</i> , 2009 , 52, 503-512	2.1	12
214	Learning neural networks for detection and classification of synchronous recurrent transient signals. <i>Signal Processing</i> , 1998 , 64, 233-247	4.4	12

213	FLEXSIM: A flexible manufacturing system simulator. <i>European Journal of Operational Research</i> , 1991 , 53, 149-165	5.6	12
212	Neural network architectures for the detection of SYN flood attacks in IoT systems 2020 ,		12
211	KONFIDO: An OpenNCP-Based Secure eHealth Data Exchange System. <i>Communications in Computer and Information Science</i> , 2018 , 11-27	0.3	12
210	Analysis of Automated Auctions. <i>Lecture Notes in Computer Science</i> , 2006 , 1-12	0.9	12
209	A Survey of Algorithms and Systems for Evacuating People in Confined Spaces. <i>Electronics (Switzerland)</i> , 2019 , 8, 711	2.6	11
208	Routing diverse evacuees with Cognitive Packets 2014 ,		11
207	Security for smart mobile networks: The NEMESYS approach 2013 ,		11
206	Robotic wireless network connection of civilians for emergency response operations 2008 ,		11
205	Deep Learning with Dense Random Neural Networks. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 3-18	0.4	11
204	Design of a Mobile Agent-Based Adaptive Communication Middleware for Federations of Critical Infrastructure Simulations. <i>Lecture Notes in Computer Science</i> , 2010 , 34-49	0.9	11
203	Auction-Based Data Transaction in Mobile Networks: Data Allocation Design and Performance Analysis. <i>IEEE Transactions on Mobile Computing</i> , 2020 , 19, 1040-1055	4.6	11
202	Errors and Power When Communicating With Spins. <i>IEEE Transactions on Emerging Topics in Computing</i> , 2015 , 3, 483-488	4.1	10
201	Optimum checkpoints for programs with loops. <i>Simulation Modelling Practice and Theory</i> , 2019 , 97, 10195-10199	3.1	10
200	Data Transaction Modeling in Mobile Networks: Contract Mechanism and Performance Analysis 2017 ,		10
199	Energy loss through standby and leakage in energy harvesting wireless sensors 2015 ,		10
198	Error and energy when communicating with spins 2014 ,		10
197	2013 ,		10
196	Routing and G-Networks to Optimise Energy and Quality of Service in Packet Networks. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2011 , 163-173	0.2	10

195	Load sharing in distributed systems with failures. <i>Acta Informatica</i> , 1988 , 25, 677-689	0.9	10
194	Stationary deterministic flows in discrete systems 1. <i>Theoretical Computer Science</i> , 1983 , 23, 107-127	1.1	10
193	Intelligent Navigation Systems for Building Evacuation 2011 , 339-345		10
192	Optimum power level for communications with interference 2013 ,		9
191	Ubiquity symposium: Natural Computation. <i>Ubiquity</i> , 2011 , 2011,	0.3	9
190	Queueing performance under Network Coding 2009 ,		9
189	Optimal Behaviour of Smart Wireless Users. <i>Lecture Notes in Electrical Engineering</i> , 2013 , 87-95	0.2	9
188	An Approximate Model for Bidders in Sequential Automated Auctions. <i>Lecture Notes in Computer Science</i> , 2009 , 70-79	0.9	9
187	The Random Neural Network with Deep Learning Clusters in Smart Search. <i>Neurocomputing</i> , 2020 , 396, 394-405	5.4	9
186	The Random Neural Network in a neurocomputing application for Web search. <i>Neurocomputing</i> , 2018 , 280, 123-134	5.4	9
185	Networking with Cognitive Packets. <i>Lecture Notes in Computer Science</i> , 2002 , 259-264	0.9	9
184	Multi-layer neural networks for quality of service oriented server-state classification in cloud servers 2017 ,		8
183	Reactive and proactive congestion management for emergency building evacuation 2013 ,		8
182	Investigating the Tradeoffs between Power Consumption and Quality of Service in a Backbone Network. <i>Future Internet</i> , 2013 , 5, 268-281	3.3	8
181	Fast message dissemination for emergency communications 2010 ,		8
180	Autonomous navigation systems for emergency management in buildings 2011 ,		8
179	Quality of information: An empirical approach 2008 ,		8
178	Recursive Routing in the Cognitive Packet Network 2007 ,		8

177	Defending networks against denial-of-service attacks 2004 ,		8
176	CPN and QoS Driven Smart Routing in Wired and Wireless Networks. <i>Lecture Notes in Computer Science</i> , 2004 , 68-87	0.9	8
175	Distributed associative memory and the computation of membership functions. <i>Information Sciences</i> , 1991 , 57-58, 171-180	7.7	8
174	Analysis of a conveyor queue in a flexible manufacturing system. <i>European Journal of Operational Research</i> , 1988 , 35, 382-392	5.6	8
173	The distribution of a program in primary and fast buffer storage. <i>Communications of the ACM</i> , 1973 , 16, 431-434	2.5	8
172	An Emergency Response System for Intelligent Buildings. <i>Smart Innovation, Systems and Technologies</i> , 2012 , 265-274	0.5	8
171	Minimum Graph Covering with the Random Neural Network Model 1992 , 215-222		8
170	Smart SDN Management of Fog Services 2020 ,		7
169	Experiments with Smart Workload Allocation to Cloud Servers 2015 ,		7
168	Demonstrating Voice over an Autonomic Network 2015 ,		7
167	Performance Trade-Offs in a Network Coding Router 2010 ,		7
166	Oscillations in a Bio-Inspired Routing Algorithm 2007 ,		7
165	Controlling Access to Preserve QoS in a Self-Aware Network 2007 ,		7
164	Performance considerations in totally mobile wireless. <i>Performance Evaluation</i> , 1999 , 36-37, 387-399	1.2	7
163	Virus tests to maximize availability of software systems. <i>Theoretical Computer Science</i> , 1994 , 125, 131-147	7.1	7
162	Performance evaluation of the HDLC protocol. <i>Computer Networks (1976)</i> , 1978 , 2, 409-415		7
161	A queue with server of walking type (autonomous service). <i>Advances in Applied Probability</i> , 1978 , 10, 317-317	0.7	7
160	Control policies in CSMA local area networks. <i>Performance Evaluation Review</i> , 1982 , 11, 233-240	0.4	7

159	G-Networks Based Two Layer Stochastic Modeling of Gene Regulatory Networks with Post-Translational Processes. <i>Interdisciplinary Bio Central</i> , 2011 , 3, 1-6		7
158	Routing Emergency Evacuees with Cognitive Packet Networks. <i>Lecture Notes in Electrical Engineering</i> , 2013 , 295-303	0.2	7
157	Performance of Auctions and Sealed Bids. <i>Lecture Notes in Computer Science</i> , 2009 , 30-43	0.9	7
156	Optimisation of Power Consumption in Wired Packet Networks. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2009 , 717-729	0.2	7
155	Peer Prediction-Based Trustworthiness Evaluation and Trustworthy Service Rating in Social Networks. <i>IEEE Transactions on Information Forensics and Security</i> , 2019 , 14, 1582-1594	8	7
154	Investigating the Interaction between Energy Consumption, Quality of Service, Reliability, Security, and Maintainability of Computer Systems and Networks. <i>SN Computer Science</i> , 2021 , 2, 23	2	7
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