

# Erol Gelenbe

## 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.

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	Mitigating the Massive Access Problem in the Internet of Things. <i>Communications in Computer and Information Science</i> , <b>2022</b> , 118-132	0.3	
373	Botnet Attack Detection with Incremental Online Learning. <i>Communications in Computer and Information Science</i> , <b>2022</b> , 51-60	0.3	
372	Energy, QoS and Security Aware Edge Services. <i>Communications in Computer and Information Science</i> , <b>2022</b> , 102-117	0.3	
371	Optimizing Energy Usage for an Electric Drone. <i>Communications in Computer and Information Science</i> , <b>2022</b> , 61-75	0.3	
370	Randomization of Data Generation Times Improves Performance of Predictive IoT Networks <b>2021</b> ,		5
369	Diffusion Analysis Improves Scalability of IoT Networks to Mitigate the Massive Access Problem <b>2021</b> ,		4
368	Time-Dependent Performance of a Multi-Hop Software Defined Network. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 2469	2.6	6
367	Smart SDN Management of Fog Services to Optimize QoS and Energy. <i>Sensors</i> , <b>2021</b> , 21,	3.8	4
366	Developing an infrastructure for secure patient summary exchange in the EU context: Lessons learned from the KONFIDO project. <i>Health Informatics Journal</i> , <b>2021</b> , 27, 14604582211021459	3	4
365	A hierarchical model for quantifying software security based on static analysis alerts and software metrics. <i>Software Quality Journal</i> , <b>2021</b> , 29, 431	1.2	5
364	ACCURATE, ENERGY-EFFICIENT CLASSIFICATION WITH SPIKING RANDOM NEURAL NETWORK. <i>Probability in the Engineering and Informational Sciences</i> , <b>2021</b> , 35, 51-61	0.6	3
363	Random Neural Network for Lightweight Attack Detection in the IoT. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 79-91	0.9	2
362	Investigating the Interaction between Energy Consumption, Quality of Service, Reliability, Security, and Maintainability of Computer Systems and Networks. <i>SN Computer Science</i> , <b>2021</b> , 2, 23	2	7
361	The Random Neural Network as a Bonding Model for Software Vulnerability Prediction. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 102-116	0.9	4
360	Software Defined Network Dynamics via Diffusions. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 29-47	0.9	1
359	Efficient Feature Selection for Static Analysis Vulnerability Prediction. <i>Sensors</i> , <b>2021</b> , 21,	3.8	3
358	Minimizing Energy and Computation in Long-Running Software. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 1169	2.6	2

357	MIRAI Botnet Attack Detection with Auto-Associative Dense Random Neural Network <b>2021</b> ,		4
356	Self-Aware Networks That Optimize Security, QoS, and Energy. <i>Proceedings of the IEEE</i> , <b>2020</b> , 108, 1150-1167		23
355	Smart SDN Management of Fog Services <b>2020</b> ,		7
354	<b>2020</b> ,		4
353	Neural network architectures for the detection of SYN flood attacks in IoT systems <b>2020</b> ,		12
352	Experiments with QoS Driven Learning Packet Networks <b>2020</b> , 215-233		1
351	Sharing Energy for Optimal Edge Performance. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 24-36	0.9	2
350	Optimal Fog Services Placement in SDN IoT Network Using Random Neural Networks and Cognitive Network Map. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 78-89	0.9	3
349	Transient Behaviour of a Network Router <b>2020</b> ,		3
348	IoT Network Attack Detection and Mitigation <b>2020</b> ,		6
347	The Random Neural Network with Deep Learning Clusters in Smart Search. <i>Neurocomputing</i> , <b>2020</b> , 396, 394-405	5.4	9
346	Deep Learning Clusters in the Cognitive Packet Network. <i>Neurocomputing</i> , <b>2020</b> , 396, 406-428	5.4	5
345	Auction-Based Data Transaction in Mobile Networks: Data Allocation Design and Performance Analysis. <i>IEEE Transactions on Mobile Computing</i> , <b>2020</b> , 19, 1040-1055	4.6	11
344	Double Auction Mechanism Design for Video Caching in Heterogeneous Ultra-Dense Networks. <i>IEEE Transactions on Wireless Communications</i> , <b>2019</b> , 18, 1669-1683	9.6	21
343	. <i>IEEE Systems Journal</i> , <b>2019</b> , 13, 3770-3780	4.3	16
342	The European cross-border health data exchange roadmap: Case study in the Italian setting. <i>Journal of Biomedical Informatics</i> , <b>2019</b> , 94, 103183	10.2	17
341	Product-Form Solution for Cascade Networks With Intermittent Energy. <i>IEEE Systems Journal</i> , <b>2019</b> , 13, 918-927	4.3	17
340	A Survey of Algorithms and Systems for Evacuating People in Confined Spaces. <i>Electronics (Switzerland)</i> , <b>2019</b> , 8, 711	2.6	11

339	Optimum checkpoints for programs with loops. <i>Simulation Modelling Practice and Theory</i> , <b>2019</b> , 97, 10195-10195	10
338	Supply Chains for Perishable Goods and G-networks <b>2019</b> ,	1
337	Secure Cross-Border Exchange of Health Related Data: The KONFIDO Approach. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 318-327	0.9 2
336	Improve cybersecurity of C-ITS Road Side Infrastructure Installations: the SerIoT - Secure and Safe IoT approach <b>2019</b> ,	3
335	Optimum Interval for Application-level Checkpoints <b>2019</b> ,	6
334	Non-negative Autoencoder with Simplified Random Neural Network <b>2019</b> ,	2
333	A Manifesto for Future Generation Cloud Computing. <i>ACM Computing Surveys</i> , <b>2019</b> , 51, 1-38	13.4 110
332	Peer Prediction-Based Trustworthiness Evaluation and Trustworthy Service Rating in Social Networks. <i>IEEE Transactions on Information Forensics and Security</i> , <b>2019</b> , 14, 1582-1594	8 7
331	Adaptive Dispatching of Tasks in the Cloud. <i>IEEE Transactions on Cloud Computing</i> , <b>2018</b> , 6, 33-45	3.3 69
330	Research and Innovation Action for the Security of the Internet of Things: The SerIoT Project. <i>Communications in Computer and Information Science</i> , <b>2018</b> , 101-118	0.3 12
329	Static Analysis-Based Approaches for Secure Software Development. <i>Communications in Computer and Information Science</i> , <b>2018</b> , 142-157	0.3 19
328	Energy Life-Time of Wireless Nodes with Network Attacks and Mitigation <b>2018</b> ,	17
327	Deep Learning with Dense Random Neural Networks for Detecting Attacks Against IoT-Connected Home Environments. <i>Communications in Computer and Information Science</i> , <b>2018</b> , 79-89	0.3 18
326	An Energy Packet Network model for mobile networks with energy harvesting. <i>Nonlinear Theory and Its Applications IEICE</i> , <b>2018</b> , 9, 322-336	0.6 20
325	Machine Learning to Predict Toxicity of Compounds. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 335-345	0.9 6
324	Deep Learning with Random Neural Networks. <i>Lecture Notes in Networks and Systems</i> , <b>2018</b> , 450-462	0.5 3
323	The Deep Learning Random Neural Network with a Management Cluster. <i>Smart Innovation, Systems and Technologies</i> , <b>2018</b> , 185-195	0.5 6
322	Deep Learning with Dense Random Neural Networks. <i>Advances in Intelligent Systems and Computing</i> , <b>2018</b> , 3-18	0.4 11

321	KONFIDO: An OpenNCP-Based Secure eHealth Data Exchange System. <i>Communications in Computer and Information Science</i> , <b>2018</b> , 11-27	0.3	12
320	The Random Neural Network in a neurocomputing application for Web search. <i>Neurocomputing</i> , <b>2018</b> , 280, 123-134	5.4	9
319	Deep Learning with Dense Random Neural Network for Detecting Attacks against IoT-connected Home Environments. <i>Procedia Computer Science</i> , <b>2018</b> , 134, 458-463	1.6	61
318	Security for Internet of Things: The SerIoT Project <b>2018</b> ,		14
317	Networked Data Transaction in Mobile Networks: A Prediction-based Approach Using Auction <b>2018</b> ,		3
316	A Reinforcement Learning Approach to Adaptive Forwarding in Named Data Networking. <i>Communications in Computer and Information Science</i> , <b>2018</b> , 211-219	0.3	1
315	Comprehensive user requirements engineering methodology for secure and interoperable health data exchange. <i>BMC Medical Informatics and Decision Making</i> , <b>2018</b> , 18, 85	3.6	17
314	An OpenNCP-based Solution for Secure eHealth Data Exchange. <i>Journal of Network and Computer Applications</i> , <b>2018</b> , 116, 65-85	7.9	24
313	Multi-layer neural networks for quality of service oriented server-state classification in cloud servers <b>2017</b> ,		8
312	Contract Design for Traffic Offloading and Resource Allocation in Heterogeneous Ultra-Dense Networks. <i>IEEE Journal on Selected Areas in Communications</i> , <b>2017</b> , 35, 2457-2467	14.2	87
311	Single-cell based random neural network for deep learning <b>2017</b> ,		15
310	<b>2017</b> ,		4
309	Data Transaction Modeling in Mobile Networks: Contract Mechanism and Performance Analysis <b>2017</b> ,		10
308	G-Networks with Adders. <i>Future Internet</i> , <b>2017</b> , 9, 34	3.3	18
307	Self-aware Networks: The Cognitive Packet Network and Its Performance <b>2017</b> , 659-668		1
306	Self-aware Computing Systems: Open Challenges and Future Research Directions <b>2017</b> , 709-722		2
305	Towards Assessment of Energy Consumption and Latency of LTE UEs During Signaling Storms. <i>Lecture Notes in Electrical Engineering</i> , <b>2016</b> , 45-55	0.2	6
304	Towards a cognitive routing engine for software defined networks <b>2016</b> ,		28

303	Deep learning with random neural networks <b>2016,</b>		34
302	Packet transmission with K energy packets in an energy harvesting sensor <b>2016,</b>		12
301	Energy packet model optimisation with approximate matrix inversion <b>2016,</b>		4
300	Modeling and Analysis of RRC-Based Signalling Storms in 3G Networks. <i>IEEE Transactions on Emerging Topics in Computing</i> , <b>2016</b> , 4, 113-127	4.1	30
299	Big Data for Autonomic Intercontinental Overlays. <i>IEEE Journal on Selected Areas in Communications</i> , <b>2016</b> , 34, 575-583	14.2	42
298	Performance of an Autonomous Energy Harvesting Wireless Sensor. <i>Lecture Notes in Electrical Engineering</i> , <b>2016</b> , 35-43	0.2	6
297	Real-Time Traffic over the Cognitive Packet Network. <i>Communications in Computer and Information Science</i> , <b>2016</b> , 3-21	0.3	6
296	An Intelligent Internet Search Assistant Based on the Random Neural Network. <i>IFIP Advances in Information and Communication Technology</i> , <b>2016</b> , 141-153	0.5	6
295	Markov and Non-Markov Probabilistic Models of Interacting Flows of Annihilating Particles. <i>Communications in Computer and Information Science</i> , <b>2016</b> , 281-291	0.3	1
294	Countering Mobile Signaling Storms with Counters. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , <b>2016</b> , 199-209	0.2	3
293	A Data Plane Approach for Detecting Control Plane Anomalies in Mobile Networks. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , <b>2016</b> , 210-221	0.2	2
292	Feasibility of Signaling Storms in 3G/UMTS Operational Networks. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , <b>2016</b> , 187-198	0.2	2
291	Adaptive workload distribution for local and remote Clouds <b>2016,</b>		20
290	A Diffusion Model for Energy Harvesting Sensor Nodes <b>2016,</b>		15
289	Optimizing Secure SDN-Enabled Inter-Data Centre Overlay Networks through Cognitive Routing <b>2016,</b>		26
288	Detection and mitigation of signaling storms in mobile networks <b>2016,</b>		4
287	Energy Packet Networks With Energy Harvesting. <i>IEEE Access</i> , <b>2016</b> , 4, 1321-1331	3.5	51
286	Synchronising Energy Harvesting and Data Packets in a Wireless Sensor. <i>Energies</i> , <b>2015</b> , 8, 356-369	3.1	46

285	Errors and Power When Communicating With Spins. <i>IEEE Transactions on Emerging Topics in Computing</i> , <b>2015</b> , 3, 483-488	4.1	10
284	Managing Crowds in Hazards With Dynamic Grouping. <i>IEEE Access</i> , <b>2015</b> , 3, 1060-1070	3.5	32
283	Central or distributed energy storage for processors with energy harvesting <b>2015</b> ,		22
282	Experiments with Smart Workload Allocation to Cloud Servers <b>2015</b> ,		7
281	Demonstrating Voice over an Autonomic Network <b>2015</b> ,		7
280	Energy loss through standby and leakage in energy harvesting wireless sensors <b>2015</b> ,		10
279	Emergency Navigation in Confined Spaces Using Dynamic Grouping <b>2015</b> ,		2
278	The impact of information technology on energy consumption and carbon emissions. <i>Ubiquity</i> , <b>2015</b> , 2015, 1-15	0.3	124
277	Interconnected Wireless Sensors with Energy Harvesting. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 87-99	0.9	34
276	Capacity based evacuation with dynamic exit signs <b>2014</b> ,		4
275	Routing diverse evacuees with Cognitive Packets <b>2014</b> ,		11
274	Signalling storms in 3G mobile networks <b>2014</b> ,		25
273	Near-optimal emergency evacuation with rescuer allocation <b>2014</b> ,		1
272	Top- $k$ Query Result Completeness Verification in Tiered Sensor Networks. <i>IEEE Transactions on Information Forensics and Security</i> , <b>2014</b> , 9, 109-124	8	32
271	Cognitive Packet Network for Bilateral Asymmetric Connections. <i>IEEE Transactions on Industrial Informatics</i> , <b>2014</b> , 10, 1717-1725	11.9	25
270	Search in the universe of big networks and data. <i>IEEE Network</i> , <b>2014</b> , 28, 20-25	11.4	14
269	A Software Defined Self-Aware Network: The Cognitive Packet Network <b>2014</b> ,		5
268	Search in Random Media with L <sub>q</sub> Flights <b>2014</b> , 366-389		2

267	Ubiquity symposium: The science in computer science: natural computation. <i>Ubiquity</i> , <b>2014</b> , 2014, 1-9	0.3	3
266	Directional navigation improves opportunistic communication for emergencies. <i>Sensors</i> , <b>2014</b> , 14, 15387-99	3.99	5
265	Emergency navigation without an infrastructure. <i>Sensors</i> , <b>2014</b> , 14, 15142-62	3.8	38
264	Cognitive packet network for QoS adaptation of asymmetric connections <b>2014</b> ,		3
263	Error and energy when communicating with spins <b>2014</b> ,		10
262	Identifying disease candidate genes via large-scale gene network analysis. <i>International Journal of Data Mining and Bioinformatics</i> , <b>2014</b> , 10, 175-88	0.5	18
261	Directional enhancements for emergency navigation <b>2014</b> ,		1
260	Storms in mobile networks <b>2014</b> ,		16
259	A sensor node with energy harvesting. <i>Performance Evaluation Review</i> , <b>2014</b> , 42, 37-39	0.4	33
258	Mitigating for Signalling Attacks in UMTS Networks <b>2014</b> , 159-165		5
257	An Implementation of Voice Over IP in the Cognitive Packet Network <b>2014</b> , 33-40		2
256	A Cooperative Emergency Navigation Framework Using Mobile Cloud Computing <b>2014</b> , 41-48		5
255	A Parametric Study of CPN's Convergence Process <b>2014</b> , 13-20		
254	Graph and Analytical Models for Emergency Evacuation. <i>Future Internet</i> , <b>2013</b> , 5, 46-55	3.3	32
253	A Software Defined Self-Aware Network: The Cognitive Packet Network <b>2013</b> ,		1
252	Disruption tolerant communications for large scale emergency evacuation <b>2013</b> ,		12
251	Optimum power level for communications with interference <b>2013</b> ,		9
250	Cognitive Packets in Large Virtual Networks <b>2013</b> , 13-20		



249	Energy harvesting communication networks: Optimization and demonstration (the E-CROPS project) <b>2013</b> ,		22
248	Security for smart mobile networks: The NEMESYS approach <b>2013</b> ,		6
247	Spatial Computers for Emergency Support. <i>Computer Journal</i> , <b>2013</b> , 56, 1399-1416	1.3	13
246	Reactive and proactive congestion management for emergency building evacuation <b>2013</b> ,		8
245	Graph and analytical models for emergency evacuation <b>2013</b> ,		6
244	Time and energy in team-based search. <i>Physical Review E</i> , <b>2013</b> , 87,	2.4	33
243	Quality of information and energy provisioning (invited paper) <b>2013</b> ,		3
242	<b>2013</b> ,		10
241	Security for smart mobile networks: The NEMESYS approach <b>2013</b> ,		11
240	Future Research on Cyber-Physical Emergency Management Systems. <i>Future Internet</i> , <b>2013</b> , 5, 336-354	3.3	65
239	Investigating the Tradeoffs between Power Consumption and Quality of Service in a Backbone Network. <i>Future Internet</i> , <b>2013</b> , 5, 268-281	3.3	8
238	EnergyQoS Trade-Offs in Mobile Service Selection. <i>Future Internet</i> , <b>2013</b> , 5, 128-139	3.3	33
237	Energy-Aware Admission Control for Wired Networks. <i>Lecture Notes in Electrical Engineering</i> , <b>2013</b> , 117-125		3
236	Routing Emergency Evacuees with Cognitive Packet Networks. <i>Lecture Notes in Electrical Engineering</i> , <b>2013</b> , 295-303	0.2	7
235	NEMESYS: Enhanced Network Security for Seamless Service Provisioning in the Smart Mobile Ecosystem. <i>Lecture Notes in Electrical Engineering</i> , <b>2013</b> , 369-378	0.2	24
234	Mobile Network Anomaly Detection and Mitigation: The NEMESYS Approach. <i>Lecture Notes in Electrical Engineering</i> , <b>2013</b> , 429-438	0.2	23
233	Optimal Behaviour of Smart Wireless Users. <i>Lecture Notes in Electrical Engineering</i> , <b>2013</b> , 87-95	0.2	9
232	Mathematical Models of Automated Auctions. <i>Studies in Computational Intelligence</i> , <b>2013</b> , 137-161	0.8	1

231	Interoperating Infrastructures in Emergencies <b>2013</b> , 123-130		2
230	Resilient Emergency Evacuation Using Opportunistic Communications <b>2013</b> , 249-257		5
229	Using Energy Criteria to Admit Flows in a Wired Network <b>2013</b> , 63-72		7
228	Power Savings in Packet Networks via Optimised Routing. <i>Mobile Networks and Applications</i> , <b>2012</b> , 17, 152-159	2.9	14
227	Emergency Cyber-Physical-Human Systems <b>2012</b> ,		12
226	Stochastic gene expression modeling with Hill function for switch-like gene responses. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , <b>2012</b> , 9, 973-9	3	26
225	Large scale simulation for human evacuation and rescue. <i>Computers and Mathematics With Applications</i> , <b>2012</b> , 64, 3869-3880	2.7	109
224	Choosing a Local or Remote Cloud <b>2012</b> ,		41
223	What IS Can Do for Environmental Sustainability: A Report from CAISE'11 Panel on Green and Sustainable IS. <i>Communications of the Association for Information Systems</i> , <b>2012</b> , 30,	1.3	19
222	Wireless networks in emergency management <b>2012</b> ,		6
221	Reconstruction of large-scale gene regulatory networks using Bayesian model averaging. <i>IEEE Transactions on Nanobioscience</i> , <b>2012</b> , 11, 259-65	3.4	15
220	Natural Computation. <i>Computer Journal</i> , <b>2012</b> , 55, 848-851	1.3	25
219	Energy packet networks <b>2012</b> ,		50
218	A Distributed Simulation Platform for Urban Security <b>2012</b> ,		2
217	Pervasive emergency support systems for building evacuation <b>2012</b> ,		4
216	Packet Delay and Energy Consumption in Non-homogeneous Networks. <i>Computer Journal</i> , <b>2012</b> , 55, 950-964	1.3	17
215	Resilience and security of opportunistic communications for emergency evacuation <b>2012</b> ,		6
214	Distributed networked emergency evacuation and rescue <b>2012</b> ,		3

213	An Emergency Response System for Intelligent Buildings. <i>Smart Innovation, Systems and Technologies</i> , <b>2012</b> , 265-274	0.5	8
212	Gradient Optimisation for Network Power Consumption. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , <b>2012</b> , 125-134	0.2	2
211	Energy Packet Networks: ICT Based Energy Allocation and Storage. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , <b>2012</b> , 186-195	0.2	22
210	Distributed Energy-Aware Routing Protocol <b>2011</b> , 149-154		5
209	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> , <b>2011</b> , 163-173	0.2	10
208	Self-Aware Networks <b>2011</b> ,		4
207	Ubiquity symposium: Natural Computation. <i>Ubiquity</i> , <b>2011</b> , 2011,	0.3	9
206	Opportunistic Communications for Emergency Support Systems. <i>Procedia Computer Science</i> , <b>2011</b> , 5, 39-47	1.6	60
205	Adaptive packet prioritisation for large wireless sensor networks. <i>Telecommunication Systems</i> , <b>2011</b> , 48, 125-150	2.3	2
204	Cognitive and self-selective routing for sensor networks. <i>Computational Management Science</i> , <b>2011</b> , 8, 237-258	1	6
203	Search in non-homogenous random environments?. <i>Performance Evaluation Review</i> , <b>2011</b> , 39, 37-39	0.4	4
202	Spatial Computers for Emergency Management <b>2011</b> ,		5
201	Autonomous navigation systems for emergency management in buildings <b>2011</b> ,		8
200	A Framework for Energy-Aware Routing in Packet Networks. <i>Computer Journal</i> , <b>2011</b> , 54, 850-859	1.3	88
199	Contrastive Learning in Random Neural Networks and its Relation to Gradient-Descent Learning <b>2011</b> , 511-517		
198	Reconstruction of Large-Scale Gene Regulatory Networks Using Bayesian Model Averaging <b>2011</b> ,		5
197	G-Networks Based Two Layer Stochastic Modeling of Gene Regulatory Networks with Post-Translational Processes. <i>Interdisciplinary Bio Central</i> , <b>2011</b> , 3, 1-6		7
196	Auction-Based Admission Control for Self-Aware Networks <b>2011</b> , 223-230		2

195	G-Network Modelling Based Abnormal Pathway Detection in Gene Regulatory Networks <b>2011</b> , 257-263		5
194	Intelligent Navigation Systems for Building Evacuation <b>2011</b> , 339-345		10
193	A distributed admission control mechanism for multi-criteria QoS <b>2010</b> ,		4
192	Adaptive Random Re-Routing for Differentiated QoS in Sensor Networks. <i>Computer Journal</i> , <b>2010</b> , 53, 1052-1061	1.3	16
191	Distributed Building Evacuation Simulator for Smart Emergency Management. <i>Computer Journal</i> , <b>2010</b> , 53, 1384-1400	1.3	122
190	Fast Distributed Near-Optimum Assignment of Assets to Tasks. <i>Computer Journal</i> , <b>2010</b> , 53, 1360-1369	1.3	32
189	Demonstrating cognitive packet network resilience to worm attacks <b>2010</b> ,		13
188	Energy-Efficient Cloud Computing. <i>Computer Journal</i> , <b>2010</b> , 53, 1045-1051	1.3	417
187	Search in unknown random environments. <i>Physical Review E</i> , <b>2010</b> , 82, 061112	2.4	72
186	Performance Trade-Offs in a Network Coding Router <b>2010</b> ,		7
185	Fast message dissemination for emergency communications <b>2010</b> ,		8
184	A random neural network approach to an assets to tasks assignment problem <b>2010</b> ,		2
183	Analysing Bidder Performance in Randomised and Fixed-Deadline Automated Auctions. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 42-51	0.9	4
182	Analysis of an Automated Auction with Concurrent Multiple Unit Acceptance Capacity. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 382-396	0.9	1
181	Stochastic Gene Expression Model Base Gene Regulatory Networks. <i>Springer Proceedings in Physics</i> , <b>2010</b> , 235-244	0.2	3
180	Design of a Mobile Agent-Based Adaptive Communication Middleware for Federations of Critical Infrastructure Simulations. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 34-49	0.9	11
179	A distributed decision support system for Building Evacuation <b>2009</b> ,		54
178	Steps toward self-aware networks. <i>Communications of the ACM</i> , <b>2009</b> , 52, 66-75	2.5	148

177	Analysis of single and networked auctions. <i>ACM Transactions on Internet Technology</i> , <b>2009</b> , 9, 1-24	3.8	41
176	Anomaly detection in gene expression via stochastic models of gene regulatory networks. <i>BMC Genomics</i> , <b>2009</b> , 10 Suppl 3, S26	4.5	13
175	. <i>IEEE Transactions on Education</i> , <b>2009</b> , 52, 503-512	2.1	12
174	Adaptive Packet Prioritisation for Wireless Sensor Networks <b>2009</b> ,		2
173	Reducing power consumption in wired networks <b>2009</b> ,		22
172	Queueing performance under Network Coding <b>2009</b> ,		9
171	Information-aware traffic reduction for wireless sensor networks <b>2009</b> ,		15
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