Rajendran Parthiban

List of Publications by Year
in descending order

78	1,794	516215	288905
papers	citations	16	40
		h-index	g-index

80	80	80	1874
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An Adaptive Handover Scheme for Hybrid LiFi and WiFi Networks. IEEE Access, 2022, 10, 18955-18965.	2.6	12
2	A framework of dynamic selection method for user classification in touch-based continuous mobile device authentication. Journal of Information Security and Applications, 2022, 67, 103217.	1.8	2
3	A neural network approach for traffic prediction and routing with missing data imputation for intelligent transportation system. Expert Systems With Applications, 2021, 171, 114573.	4.4	33
4	Touch-based continuous mobile device authentication: State-of-the-art, challenges and opportunities. Journal of Network and Computer Applications, 2021, 191, 103162.	5.8	14
5	Joint Minimization of Spectrum and Power in Impairment-Aware Elastic Optical Networks. IEEE Access, 2021, 9, 43349-43363.	2.6	7
6	A Comparison of IVHO and DVHO in Heterogeneous VLC-RF Networks. , 2021, , .		4
7	MOD3D-PAT - A Novel Modified 3rd Degree Polynomial Approximation for Modelling Traffic Congestion in Urban Areas. , 2021, , .		1
8	Induced electron radiation effect on the performance of inter-satellite optical wireless communication. PLoS ONE, 2021, 16, e0259649.	1.1	1
9	Modeling and analysis of multi-channel gigabit class CWDM-VLC system. Optics Communications, 2020, 460, 125141.	1.0	6
10	Integration and Evaluation of Hybrid RoF-VLC Network. , 2020, , .		5
11	Impacts of Non-Recurrent Events on Pheromone-Based Green Transportation System. IEEE Access, 2020, 8, 8876-8885.	2.6	1
12	Review of advanced techniques for multiâ€gigabit visible light communication. IET Optoelectronics, 2020, 14, 359-373.	1.8	18
13	Approaches of Gigabit-Class Transmission for VLC with ÂµLED-Based WDM System. Lecture Notes in Electrical Engineering, 2020, , 39-48.	0.3	0
14	What Do Users like About Smart Bottle? Insights for Designers. Lecture Notes in Computer Science, 2019, , 325-336.	1.0	2
15	Coordinated Traffic Light Control in Cooperative Green Vehicle Routing for Pheromone-based Multi-Agent Systems. Applied Soft Computing Journal, 2019, 81, 105486.	4.1	29
16	Extended pheromone-based short-term traffic forecasting models for vehicular systems. Engineering Applications of Artificial Intelligence, 2019, 82, 60-75.	4.3	11
17	Proactive eco-friendly pheromone-based green vehicle routing for multi-agent systems. Expert Systems With Applications, 2019, 121, 324-337.	4.4	18
18	A Fuzzy Rule-Based Optimisation Model for Efficient Resource Utilisation in a Grid Environment Using Proximity Awareness and Semantic Technology. Journal of Information and Knowledge Management, 2018, 17, 1850023.	0.8	2

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19	Analysis of the effects of multiple reflection paths on high speed VLC system performance. , 2018, , .		4
20	How seamless are technology-rich learning environments? the voice of IT educators. , 2018, , .		1
21	Laser-Diode-Based Visible Light Communication: Toward Gigabit Class Communication. , 2017, 55, 144-151.		121
22	Joint facial expression recognition and intensity estimation based on weighted votes of image sequences. Pattern Recognition Letters, 2017, 92, 25-32.	2.6	31
23	Modeling a Seamless Learning framework in higher education. , 2016, , .		0
24	Adoption factors of cleaner production technology in a developing country: energy efficient lighting in Malaysia. Journal of Cleaner Production, 2016, 131, 97-106.	4.6	46
25	Spatiotemporal feature extraction for facial expression recognition. IET Image Processing, 2016, 10, 534-541.	1.4	41
26	Improving Lighting Quality and Capacity of OFDM-Based WDM-VLC Systems. IEEE Photonics Technology Letters, 2016, 28, 2149-2152.	1.3	13
27	A Proximity and Semantic-Aware Optimisation Model for Sub-Domain-Based Decentralised Resource Discovery in Grid Computing. Journal of Information and Knowledge Management, 2016, 15, 1650020.	0.8	1
28	Shadow mask assisted direct growth of ZnO nanowires as a sensing medium for surface acoustic wave devices using a thermal evaporation method. Journal of Micromechanics and Microengineering, 2016, 26, 025017.	1.5	12
29	Energy and economic benefits of LED adoption in Malaysia. Renewable and Sustainable Energy Reviews, 2015, 49, 629-637.	8.2	45
30	A viable model for SNR determination in OFDM based visible light communication systems. , 2015, , .		0
31	Experimental investigation of analog and digital dimming techniques on photometric performance of an indoor Visible Light Communication (VLC) system. Proceedings of SPIE, 2015, , .	0.8	5
32	Dimming schemes for visible light communication: the state of research. IEEE Wireless Communications, 2015, 22, 29-35.	6.6	105
33	Alignment nature of ZnO nanowires grown on polished and nanoscale etched lithium niobate surface through self-seeding thermal evaporation method. Materials Research Bulletin, 2015, 68, 35-41.	2.7	8
34	LED Based Indoor Visible Light Communications: State of the Art. IEEE Communications Surveys and Tutorials, 2015, 17, 1649-1678.	24.8	683
35	An optimization-based adaptive resource management framework for economic Grids: A switching mechanism. Future Generation Computer Systems, 2015, 47, 48-59.	4.9	2
36	Toward a Power-Efficient Backbone Network: The State of Research. IEEE Communications Surveys and Tutorials, 2015, 17, 198-227.	24.8	48

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37	Adoption of Energy Efficient New Technologies from the Point of View of Malaysian Experts and Consumers: A Qualitative Analysis. Journal of Clean Energy Technologies, 2015, 3, 236-241.	0.1	3
38	Identifying and Modeling the Strengths and Weaknesses of Major Economic Models in Grid Resource Management. Journal of Grid Computing, 2014, 12, 285-302.	2.5	4
39	Microfabrication of surface acoustic wave device using UV LED photolithography technique. Microelectronic Engineering, 2014, 122, 9-12.	1.1	17
40	Economic and system impact of hybrid Raman–EDFA amplification in a 40×40Gbps optical transmission network with DPSK modulation. Optical Fiber Technology, 2013, 19, 10-15.	1.4	13
41	Investigation into Mass Loading Sensitivity of Sezawa Wave Mode-Based Surface Acoustic Wave Sensors. Sensors, 2013, 13, 2164-2175.	2.1	24
42	Visible Light Communications localization using TDOA-based coherent heterodyne detection. , 2013, , .		36
43	Reducing power consumption in an optical circuit-switched core network by switching off amplifiers. , 2013, , .		2
44	Interaction-Oriented System for VITAL Framework. , 2012, , .		1
45	Waveband grouping policies for reducing energy consumption in optical internet backbone networks. , 2012, , .		2
46	A novel burst assembly method for energy saving in burst switching networks. , 2012, , .		0
47	A Semantic Impact in Decentralized Resource Discovery Mechanism for Grid Computing Environments. Lecture Notes in Computer Science, 2012, , 206-216.	1.0	3
48	A Semantic Decentralized Chord-Based Resource Discovery Model for Grid Computing. , 2011, , .		4
49	A survey of economic models in grid computing. Future Generation Computer Systems, 2011, 27, 1056-1069.	4.9	45
50	Multi-constraint physical topology design for all optical networks. , 2011, , .		2
51	A Semantic-Based Centralized Resource Discovery Model for Grid Computing. Communications in Computer and Information Science, 2011, , 161-170.	0.4	2
52	Implementation of Autonomous Pricing Mechanism in Grid Computing. , 2010, , .		0
53	Towards improving resource discovery in Grid computing using semantic and multi-agent methodology. , 2010, , .		0
54	Continuous Double Auction in Grid Computing: An Agent Based Approach to Maximize Profit for Providers. , 2010, , .		3

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55	Effect of sparse grooming on power consumption of optical networks. , 2010, , .		0
56	Sparse grooming sites in all-optical networks. , 2010, , .		2
57	Disjoint path re-routing in optical networks. , 2010, , .		2
58	A Fuzzy Logic Algorithm for Minimizing Error (FLAME) in Wireless Sensor Networks. , 2009, , .		2
59	A Heuristic Algorithm for Topological Optimization of All-Optical Networks. , 2009, , .		2
60	RFID asset monitoring system for laboratory environment. , 2009, , .		1
61	Evolution of WDM Optical IP Networks: A Cost and Energy Perspective. Journal of Lightwave Technology, 2009, 27, 243-252.	2.7	205
62	Cost Comparison of Optical Circuit-Switched and Burst-Switched Networks. Journal of Lightwave Technology, 2009, 27, 2315-2329.	2.7	9
63	Aurora: A software framework for all-optical network design and analysis. , 2009, , .		2
64	Ingredients for high citation index. , 2009, , .		1
65	4G Wireless Technology: Will it be Feasible for Malaysian Operators?. , 2008, , .		0
66	Comparison of Switching Cost for Ring Optical Backbone Networks. , 2008, , .		0
67	Network Dimensioning and Optimization using Aurora. , 2008, , .		4
68	Traffic grooming in hybrid ring-star optical networks. Journal of Optical Networking, 2007, 6, 263.	2.5	2
69	Level of IP aggregation in Automatically Switched Optical Networks. , 2007, , .		0
70	Waveband burst switching - a new approach to networking. , 2006, , .		1
71	Effect of Lightpath Bit-rate on the Dimensioning of Automatically Switched Optical Networks. , 2006, , .		1
72	Does optical burst switching have a role in the core network?. , 2005, , .		4

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73	Traffic Aggregation in Hybrid Ring-Star Optical Networks. , 2005, , .		1
74	Waveband grooming and IP aggregation in optical networks. Journal of Lightwave Technology, 2003, 21, 2476-2488.	2.7	53
75	Modeling and analysis od optical networks with traffic grooming. , 0, , .		0
76	Efficient Resource Provisioning by Means of Sub-domain Based Ontology and Dynamic Pricing in Grid Computing. Journal of Cloud Computing, 0, , 1-15.	2.0	1
77	A Novel Optimization Model Based on the Unification of Proximity and Semantic Similarity in Grid Computing. Communication Design Quarterly Review, 0, , 1-14.	0.1	2
78	Towards Better Understanding of Two Economic Models: A Grid Perspective. Communications of the IBIMA, 0, , 1-13.	0.3	2