

Shankar Thangavelu

List of Publications by Year in descending order

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43
papers

490
citations

932766

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713013

21
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47
all docs

47
docs citations

47
times ranked

368
citing authors

#	ARTICLE	IF	CITATIONS
1	Cooperative relay spectrum sensing for cognitive radio network: Mutated MWOA-SNN approach. Applied Soft Computing Journal, 2022, 114, 108072.	4.1	12
2	Multi-Objective Modified Grey Wolf Optimization Algorithm for Efficient Spectrum Sensing in the Cognitive Radio Network. Arabian Journal for Science and Engineering, 2021, 46, 3115-3145.	1.7	18
3	Advanced squirrel algorithm-trained neural network for efficient spectrum sensing in cognitive radio-based air traffic control application. IET Communications, 2021, 15, 1326-1351.	1.5	6
4	Design of an all optical encoder/decoder using cross-layered 2D PCRR. Optik, 2021, 231, 166387.	1.4	7
5	Hybrid grey wolf sunflower optimisation algorithm for energy-efficient cluster head selection in wireless sensor networks for lifetime enhancement. IET Communications, 2021, 15, 384-396.	1.5	28
6	Integration of Area Scanning with PSO for Improving Coverage and Hole Detection in Sensor Networks. Lecture Notes in Mechanical Engineering, 2021, , 65-82.	0.3	0
7	Optimized Routing Algorithm for Wireless Sensor Networks. Lecture Notes in Mechanical Engineering, 2021, , 83-96.	0.3	0
8	Hybrid PSO-HSA and PSO-GA algorithm for 3D path planning in autonomous UAVs. SN Applied Sciences, 2020, 2, 1.	1.5	28
9	All optical clocked D flip flop for 1.72 Tb/s optical computing. Microelectronics Journal, 2020, 103, 104865.	1.1	11
10	A Survey on Soft Computing Techniques for Spectrum Sensing in a Cognitive Radio Network. SN Computer Science, 2020, 1, 1.	2.3	12
11	Adaptive Buffering and Fuzzy Based Multilevel Clustering for Energy Efficient Wireless Sensor Network. Wireless Personal Communications, 2020, 112, 353-370.	1.8	3
12	Optimization of feedback bits using firefly algorithm for interference reduction in LTE femtocell networks. Soft Computing, 2020, 24, 15361-15371.	2.1	1
13	Hybrid PSO-GSA for energy efficient spectrum sensing in cognitive radio network. Physical Communication, 2020, 40, 101091.	1.2	62
14	Efficient Spectrum Sensing for the Relay Based Cognitive Radio Network for Enhancing the Network Coverage for Wireless Patient Monitoring System. , 2020, , .		3
15	Contrast Enhancement Using Quantile Separation and Bi-Histogram Equalization. , 2019, , .		5
16	Integrated Cuckoo and Monkey Search Algorithm for Energy Efficient Clustering in Wireless Sensor Networks. , 2019, , .		1
17	Atmospheric Light Estimation using Particle Swarm Optimization for Dehazing. International Journal of Advanced Computer Science and Applications, 2019, 10, .	0.5	0
18	Investigation of Different Modulation Formats for Extended Reach NG-PON2 using RSOA. International Journal of Advanced Computer Science and Applications, 2019, 10, .	0.5	0

#	ARTICLE	IF	CITATIONS
19	Energy proficient clustering technique for lifetime enhancement of cognitive radio-based heterogeneous wireless sensor network. International Journal of Distributed Sensor Networks, 2018, 14, 155014771876759.	1.3	15
20	Design of an optical half-adder using cohesive twin-structured PCRR. Journal of Computational Electronics, 2018, 17, 837-844.	1.3	4
21	Lifetime Improvement in Wireless Sensor Networks using Hybrid Differential Evolution and Simulated Annealing (DESA). Ain Shams Engineering Journal, 2018, 9, 655-663.	3.5	54
22	Energy efficient spectrum sensing for cognitive radio network using artificial bee colony algorithm. International Journal of Engineering and Technology(UAE), 2018, 7, 2319.	0.2	6
23	Comparison of Fixed and Variable Step Maximum Power Point Tracking Methods Using Gradient Ascent Algorithm. , 2018, , .		0
24	Hadamard based SLM using genetic algorithm fo PAPR reduction in OFDM systems. , 2017, , .		1
25	Green mobile communication and performance analysis of coordinated multi-point (CoMP) transmission. , 2017, , .		0
26	Energy efficient heterogeneous network with daily load variation. , 2017, , .		1
27	Optimal load shedding for radial distribution system using improved gravitational search algorithm. , 2017, , .		0
28	Investigation on defected ground-plane structures to improve isolation and correlation in multi-band MIMO antenna. International Journal of Information and Computer Security, 2016, 8, 258.	0.2	0
29	A Review on Energy-Efficient Scheduling Mechanisms in Wireless Sensor Networks. Indian Journal of Science and Technology, 2016, 9, .	0.5	6
30	Lifetime Improvement in WSN using Flower Pollination Meta Heuristic Algorithm Based Localization Approach. Indian Journal of Science and Technology, 2016, 9, .	0.5	4
31	LOS estimation in MIMO system using Space Shift Keying. , 2016, , .		0
32	A survey on techniques related to base station sleeping in Green communication and CoMP analysis. , 2016, , .		6
33	Balanced Cluster Head Selection Based on Modified k -Means in a Distributed Wireless Sensor Network. International Journal of Distributed Sensor Networks, 2016, 12, 5040475.	1.3	30
34	Reducing interference of Gaussian MIMO Z channel and Gaussian MIMO X Channel. , 2016, , .		3
35	Energy efficient algorithm for MIMO based CRN with antenna selection. , 2016, , .		0
36	Hybrid HSA and PSO algorithm for energy efficient cluster head selection in wireless sensor networks. Swarm and Evolutionary Computation, 2016, 30, 1-10.	4.5	144

#	ARTICLE	IF	CITATIONS
37	Distributed Clustering Based on Node Density and Distance in Wireless Sensor Networks. Telkomnika (Telecommunication Computing Electronics and Control), 2016, 14, 916.	0.6	2
38	De-Hazing using Guided and L_0 Gradient Minimization Filters. Indian Journal of Science and Technology, 2016, 9, .	0.5	3
39	Energy efficient transmission with mobile element using compressive sensing for wireless sensor network. , 2015, , .		1
40	Design of Dual-Element Tri-Band (DETB) MIMO antenna with improved isolation. , 2015, , .		0
41	Clusterhead selection using Huffman coding algorithm for Wireless Sensor Networks. , 2015, , .		0
42	RMCHS: Ridge method based cluster head selection for energy efficient clustering hierarchy protocol in WSN. , 2015, , .		9
43	Energy efficient MAC protocol for energy latency tradeoff in wireless sensor network traffic. , 2012, , .		1