

Shankar Thangavelu

List of Publications by Year in descending order

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Version: 2024-02-01

43
papers

490
citations

932766

10
h-index

713013

21
g-index

47
all docs

47
docs citations

47
times ranked

368
citing authors

#	ARTICLE	IF	CITATIONS
1	Hybrid HSA and PSO algorithm for energy efficient cluster head selection in wireless sensor networks. <i>Swarm and Evolutionary Computation</i> , 2016, 30, 1-10.	4.5	144
2	Hybrid PSO-GSA for energy efficient spectrum sensing in cognitive radio network. <i>Physical Communication</i> , 2020, 40, 101091.	1.2	62
3	Lifetime Improvement in Wireless Sensor Networks using Hybrid Differential Evolution and Simulated Annealing (DESA). <i>Ain Shams Engineering Journal</i> , 2018, 9, 655-663.	3.5	54
4	Balanced Cluster Head Selection Based on Modified k -Means in a Distributed Wireless Sensor Network. <i>International Journal of Distributed Sensor Networks</i> , 2016, 12, 5040475.	1.3	30
5	Hybrid PSO-HSA and PSO-GA algorithm for 3D path planning in autonomous UAVs. <i>SN Applied Sciences</i> , 2020, 2, 1.	1.5	28
6	Hybrid grey wolf sunflower optimisation algorithm for energy efficient cluster head selection in wireless sensor networks for lifetime enhancement. <i>IET Communications</i> , 2021, 15, 384-396.	1.5	28
7	Multi-Objective Modified Grey Wolf Optimization Algorithm for Efficient Spectrum Sensing in the Cognitive Radio Network. <i>Arabian Journal for Science and Engineering</i> , 2021, 46, 3115-3145.	1.7	18
8	Energy proficient clustering technique for lifetime enhancement of cognitive radio based heterogeneous wireless sensor network. <i>International Journal of Distributed Sensor Networks</i> , 2018, 14, 155014771876759.	1.3	15
9	A Survey on Soft Computing Techniques for Spectrum Sensing in a Cognitive Radio Network. <i>SN Computer Science</i> , 2020, 1, 1.	2.3	12
10	Cooperative relay spectrum sensing for cognitive radio network: Mutated MWOA-SNN approach. <i>Applied Soft Computing Journal</i> , 2022, 114, 108072.	4.1	12
11	All optical clocked D flip flop for 1.72 Tb/s optical computing. <i>Microelectronics Journal</i> , 2020, 103, 104865.	1.1	11
12	RMCHS: Ridge method based cluster head selection for energy efficient clustering hierarchy protocol in WSN. , 2015, , .		9
13	Design of an all optical encoder/decoder using cross-layered 2D PCRR. <i>Optik</i> , 2021, 231, 166387.	1.4	7
14	A Review on Energy-Efficient Scheduling Mechanisms in Wireless Sensor Networks. <i>Indian Journal of Science and Technology</i> , 2016, 9, .	0.5	6
15	A survey on techniques related to base station sleeping in Green communication and CoMP analysis. , 2016, , .		6
16	Energy efficient spectrum sensing for cognitive radio network using artificial bee colony algorithm. <i>International Journal of Engineering and Technology(UAE)</i> , 2018, 7, 2319.	0.2	6
17	Advanced squirrel algorithm trained neural network for efficient spectrum sensing in cognitive radio based air traffic control application. <i>IET Communications</i> , 2021, 15, 1326-1351.	1.5	6
18	Contrast Enhancement Using Quantile Separation and Bi-Histogram Equalization. , 2019, , .		5

#	ARTICLE	IF	CITATIONS
19	Lifetime Improvement in WSN using Flower Pollination Meta Heuristic Algorithm Based Localization Approach. Indian Journal of Science and Technology, 2016, 9, .	0.5	4
20	Design of an optical half-adder using cohesive twin-structured PCRR. Journal of Computational Electronics, 2018, 17, 837-844.	1.3	4
21	Reducing interference of Gaussian MIMO Z channel and Gaussian MIMO X Channel. , 2016, , .		3
22	Adaptive Buffering and Fuzzy Based Multilevel Clustering for Energy Efficient Wireless Sensor Network. Wireless Personal Communications, 2020, 112, 353-370.	1.8	3
23	De-Hazing using Guided and L_{0} Gradient Minimization Filters. Indian Journal of Science and Technology, 2016, 9, .	0.5	3
24	Efficient Spectrum Sensing for the Relay Based Cognitive Radio Network for Enhancing the Network Coverage for Wireless Patient Monitoring System. , 2020, , .		3
25	Distributed Clustering Based on Node Density and Distance in Wireless Sensor Networks. Telkomnika (Telecommunication Computing Electronics and Control), 2016, 14, 916.	0.6	2
26	Energy efficient MAC protocol for energy latency tradeoff in wireless sensor network traffic. , 2012, , .		1
27	Energy efficient transmission with mobile element using compressive sensing for wireless sensor network. , 2015, , .		1
28	Hadamard based SLM using genetic algorithm fo PAPR reduction in OFDM systems. , 2017, , .		1
29	Energy efficient heterogeneous network with daily load variation. , 2017, , .		1
30	Integrated Cuckoo and Monkey Search Algorithm for Energy Efficient Clustering in Wireless Sensor Networks. , 2019, , .		1
31	Optimization of feedback bits using firefly algorithm for interference reduction in LTE femtocell networks. Soft Computing, 2020, 24, 15361-15371.	2.1	1
32	Design of Dual-Element Tri-Band (DETB) MIMO antenna with improved isolation. , 2015, , .		0
33	Clusterhead selection using Huffman coding algorithm for Wireless Sensor Networks. , 2015, , .		0
34	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
35	LOS estimation in MIMO system using Space Shift Keying. , 2016, , .		0
36	Energy efficient algorithm for MIMO based CRN with antenna selection. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
37	Green mobile communication and performance analysis of coordinated multi-point (CoMP) transmission. , 2017, , .		0
38	Optimal load shedding for radial distribution system using improved gravitational search algorithm. , 2017, , .		0
39	Comparison of Fixed and Variable Step Maximum Power Point Tracking Methods Using Gradient Ascent Algorithm. , 2018, , .		0
40	Atmospheric Light Estimation using Particle Swarm Optimization for Dehazing. International Journal of Advanced Computer Science and Applications, 2019, 10, .	0.5	0
41	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
42	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
43	Optimized Routing Algorithm for Wireless Sensor Networks. Lecture Notes in Mechanical Engineering, 2021, , 83-96.	0.3	0