Shankar Thangavelu

List of Publications by Year in Descending Order

25 papers	253 citations	7 h-index	15 g-index
47 ext. papers	381 ext. citations	1.8 avg, IF	4.31 L-index

#	Paper	IF	Citations
25	Integration of Area Scanning with PSO for Improving Coverage and Hole Detection in Sensor Networks. *Lecture Notes in Mechanical Engineering*, **2021**, 65-82	0.4	
24	Optimized Routing Algorithm for Wireless Sensor Networks. *Lecture Notes in Mechanical Engineering*, **2021**, 83-96	0.4	
23	Cooperative relay spectrum sensing for cognitive radio network: Mutated MWOA-SNN approach. *Applied Soft Computing Journal*, **2021**, 108072	7.5	0
22	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	1.3	10
21	Design of an all optical encoder/decoder using cross-layered2D PCRR. *Optik*, **2021**, 231, 166387	2.5	0
20	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	2.5	3
19	Advanced squirrel algorithm-trained neural network for efficient spectrum sensing in cognitive radio-based air traffic control application. *IET Communications*, **2021**, 15, 1326-1351	1.3	2
18	A Survey on Soft Computing Techniques for Spectrum Sensing in a Cognitive Radio Network. *SN Computer Science*, **2020**, 1, 1	2	6
17	Adaptive Buffering and Fuzzy Based Multilevel Clustering for Energy Efficient Wireless Sensor Network. *Wireless Personal Communications*, **2020**, 112, 353-370	1.9	1
16	Optimization of feedback bits using firefly algorithm for interference reduction in LTE femtocell networks. *Soft Computing*, **2020**, 24, 15361-15371	3.5	
15	Hybrid PSO-GSA for energy efficient spectrum sensing in cognitive radio network. *Physical Communication*, **2020**, 40, 101091	2.2	27
14	Hybrid PSO-HSA and PSO-GA algorithm for 3D path planning in autonomous UAVs. *SN Applied Sciences*, **2020**, 2, 1	1.8	7
13	All optical clocked D flip flop for 1.72 Tb/s optical computing. *Microelectronics Journal*, **2020**, 103, 104865	1.8	3
12	Contrast Enhancement Using Quantile Separation and Bi-Histogram Equalization **2019**,		3
11	Energy proficient clustering technique for lifetime enhancement of cognitive radio based heterogeneous wireless sensor network. *International Journal of Distributed Sensor Networks*, **2018**, 14, 155014771876759	1.7	9
10	Design of an optical half-adder using cohesive twin-structured PCRR. *Journal of Computational Electronics*, **2018**, 17, 837-844	1.8	2
9	Lifetime Improvement in Wireless Sensor Networks using Hybrid Differential Evolution and Simulated Annealing (DESA). *Ain Shams Engineering Journal*, **2018**, 9, 655-663	4.4	36

List of Publications

8	Energy efficient spectrum sensing for cognitive radio network using artificial bee colony algorithm. *International Journal of Engineering and Technology(UAE)*, **2018**, 7, 2319	0.8	5
7	Energy efficient heterogeneous network with daily load variation **2017**,		1
6	Balanced Cluster Head Selection Based on Modified k-Means in a Distributed Wireless Sensor Network. *International Journal of Distributed Sensor Networks*, **2016**, 12, 5040475	1.7	17
5	Hybrid HSA and PSO algorithm for energy efficient cluster head selection in wireless sensor networks. *Swarm and Evolutionary Computation*, **2016**, 30, 1-10	9.8	103
4	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	0.4	
3	A Review on Energy-Efficient Scheduling Mechanisms in Wireless Sensor Networks. *Indian Journal of Science and Technology*, **2016**, 9,	1	3
2	A survey on techniques related to base station sleeping in Green communication and CoMP analysis **2016**,		2
1	RMCHS: Ridge method based cluster head selection for energy efficient clustering hierarchy protocol in WSN **2015**,		5