

Shankar Thangavelu

List of Publications by Citations

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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.

25
papers

253
citations

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15
g-index

47
ext. papers

381
ext. citations

1.8
avg, IF

4.31
L-index

| # | Paper | IF | Citations |
|----|--|-----|-----------|
| 25 | 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 | 9.8 | 103 |
| 24 | Lifetime Improvement in Wireless Sensor Networks using Hybrid Differential Evolution and Simulated Annealing (DESA). <i>Ain Shams Engineering Journal</i> , 2018 , 9, 655-663 | 4.4 | 36 |
| 23 | Hybrid PSO-GSA for energy efficient spectrum sensing in cognitive radio network. <i>Physical Communication</i> , 2020 , 40, 101091 | 2.2 | 27 |
| 22 | 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 | 1.7 | 17 |
| 21 | 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 | 1.3 | 10 |
| 20 | Energy proficient clustering technique for lifetime enhancement of cognitive radioBased heterogeneous wireless sensor network. <i>International Journal of Distributed Sensor Networks</i> , 2018 , 14, 155014771876759 | 1.7 | 9 |
| 19 | Hybrid PSO-HSA and PSO-GA algorithm for 3D path planning in autonomous UAVs. <i>SN Applied Sciences</i> , 2020 , 2, 1 | 1.8 | 7 |
| 18 | A Survey on Soft Computing Techniques for Spectrum Sensing in a Cognitive Radio Network. <i>SN Computer Science</i> , 2020 , 1, 1 | 2 | 6 |
| 17 | RMCHS: Ridge method based cluster head selection for energy efficient clustering hierarchy protocol in WSN 2015 , | | 5 |
| 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 | 0.8 | 5 |
| 15 | All optical clocked D flip flop for 1.72 Tb/s optical computing. <i>Microelectronics Journal</i> , 2020 , 103, 104865.8 | | 3 |
| 14 | A Review on Energy-Efficient Scheduling Mechanisms in Wireless Sensor Networks. <i>Indian Journal of Science and Technology</i> , 2016 , 9, | 1 | 3 |
| 13 | Contrast Enhancement Using Quantile Separation and Bi-Histogram Equalization 2019 , | | 3 |
| 12 | 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 | 2.5 | 3 |
| 11 | Design of an optical half-adder using cohesive twin-structured PCRR. <i>Journal of Computational Electronics</i> , 2018 , 17, 837-844 | 1.8 | 2 |
| 10 | A survey on techniques related to base station sleeping in Green communication and CoMP analysis 2016 , | | 2 |
| 9 | 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 | 1.3 | 2 |

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| 8 | Adaptive Buffering and Fuzzy Based Multilevel Clustering for Energy Efficient Wireless Sensor Network. <i>Wireless Personal Communications</i> , 2020 , 112, 353-370 | 1.9 | 1 |
| 7 | Energy efficient heterogeneous network with daily load variation 2017 , | | 1 |
| 6 | Cooperative relay spectrum sensing for cognitive radio network: Mutated MWOA-SNN approach. <i>Applied Soft Computing Journal</i> , 2021 , 108072 | 7.5 | 0 |
| 5 | Design of an all optical encoder/decoder using cross-layered 2D PCRR. <i>Optik</i> , 2021 , 231, 166387 | 2.5 | 0 |
| 4 | Optimization of feedback bits using firefly algorithm for interference reduction in LTE femtocell networks. <i>Soft Computing</i> , 2020 , 24, 15361-15371 | 3.5 | |
| 3 | Integration of Area Scanning with PSO for Improving Coverage and Hole Detection in Sensor Networks. <i>Lecture Notes in Mechanical Engineering</i> , 2021 , 65-82 | 0.4 | |
| 2 | Optimized Routing Algorithm for Wireless Sensor Networks. <i>Lecture Notes in Mechanical Engineering</i> , 2021 , 83-96 | 0.4 | |
| 1 | Investigation on defected ground-plane structures to improve isolation and correlation in multi-band MIMO antenna. <i>International Journal of Information and Computer Security</i> , 2016 , 8, 258 | 0.4 | |