Yousef S Kavian

List of Publications by Year
in descending order

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43 papers	649 citations	840776 11 h-index	580821 25 g-index
43 all docs	43 docs citations	43 times ranked	800 citing authors

#	Article	IF	Citations
1	Ship Classification in SAR Images Using a New Hybrid CNNâ€“MLP Classifier. Journal of the Indian Society of Remote Sensing, 2019, 47, 551-562.	2.4	156
2	SEECH: Scalable Energy Efficient Clustering Hierarchy Protocol in Wireless Sensor Networks. IEEE Sensors Journal, 2014, 14, 3944-3954.	4.7	144
3	ADCA: Adaptive Duty Cycle Algorithm for Energy Efficient IEEE 802.15.4 Beacon-Enabled Wireless Sensor Networks. IEEE Sensors Journal, 2014, 14, 3893-3902.	4.7	65
4	Loadâ€balanced energy efficient clustering protocol for wireless sensor networks. IET Wireless Sensor Systems, 2016, 6, 67-73.	1.7	41
5	All-optical 6- and 8-channel demultiplexers based on photonic crystal multilayer ring resonators in Si/C rods. Photonic Network Communications, 2017, 34, 248-257.	2.7	39
6	Predicting the energy consumption in software defined wireless sensor networks: a probabilistic Markov model approach. Journal of Ambient Intelligence and Humanized Computing, 2021, 12, 9053-9066.	4.9	19
7	Broadcast Gossip Ratio Consensus: Asynchronous Distributed Averaging in Strongly Connected Networks. IEEE Transactions on Signal Processing, 2017, 65, 119-129.	5.3	17
8	Improving the transmission efficiency in eight-channel all optical demultiplexers. Photonic Network Communications, 2019, 38, 115-120.	2.7	17
9	Some schemes of realization digital FIR filters on FPGA for communication applications. , 2010, , .		14
10	Geographical multiâ€layered energyâ€efficient clustering scheme for ad hoc distributed wireless sensor networks. IET Wireless Sensor Systems, 2016, 6, 1-9.	1.7	13
11	A 24GHz reflective-type phase shifter with constant loss in 0.18Î¼m CMOS technology. AEU - International Journal of Electronics and Communications, 2015, 69, 1134-1142.	2.9	11
12	DCPVP: Distributed Clustering Protocol Using Voting and Priority for Wireless Sensor Networks. Sensors, 2015, 15, 5763-5782.	3.8	11
13	A markov model for investigating the impact of IEEE802.15.4 MAC layer parameters and number of clusters on the performance of wireless sensor networks. Wireless Networks, 2019, 25, 4415-4430.	3.0	9
14	FPGA implementation of LMS self correcting adaptive filter (SCAF) and hardware analysis. , 2012, , .		8
15	Challenging issues of average consensus algorithms in wireless sensor networks. IET Wireless Sensor Systems, 2016, 6, 60-66.	1.7	8
16	Energyâ€efficient network design via modelling: optimal designing point for energy, reliability, coverage and endâ€toâ€end delay. IET Networks, 2013, 2, 11-18.	1.8	7
17	A switched T-attenuator using 0.18Î¼m CMOS optimized switches for DC-20GHz. AEU - International Journal of Electronics and Communications, 2015, 69, 1760-1765.	2.9	6
18	A New Proposal for Ultra-Compact Polarization Independent Power Splitter Based on Photonic Crystal Structures. Journal of Optical Communications, 2018, 39, 375-379.	4.7	6

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19	Autonomous fault-diagnosis and decision-making algorithm for determining faulty nodes in distributed wireless networks. Frontiers of Information Technology and Electronic Engineering, 2016, 17, 885-896.	2.6	5
20	Visible light communication based optical link for data transmission in Wireless Sensor Networks. , 2016, , .		5
21	RTMCH: real-time multichannel MAC for wireless video sensor networks. Multimedia Tools and Applications, 2019, 78, 7803-7818.	3.9	5
22	On the processing architecture in wireless video sensor networks: node and network level performance evaluation. Multimedia Tools and Applications, 2019, 78, 24789-24807.	3.9	5
23	A Markov chain model for IEEE 802.15.4 in time critical wireless sensor networks under periodic traffic with reneging packets. Journal of Ambient Intelligence and Humanized Computing, 2022, 13, 2253-2268.	4.9	5
24	Experimental Demonstration of IEEE 802.15.7 MAC Layer in Visible Light Communication Sensor Network. , 2019, , .		4
25	VLCIoT: design and implementation of a visible light communication system for indoor Internet of Things applications. Applied Optics, 2021, 60, 11094.	1.8	4
26	Dual-link failure covering in DWDM optical networks using genetic algorithms. , 2010, , .		3
27	Cross-layer protocol using contention mechanism for supporting big data in wireless sensor network. , 2016, , .		3
28	Design and implementing wireless multimedia sensor network for movement detection using FPGA local co-processing. Multimedia Tools and Applications, 2019, 78, 17413-17435.	3.9	3
29	Performance Evaluation of Polar Channel Coding on a Practical VLC Link: A Comparison Study. , 2020, , .		3
30	Fuzzy future demand uncertainty management in optical networks. , 2010, , .		2
31	Reliability or performance: A tradeoff in wireless sensor networks. , 2012, , .		2
32	Evolutionary algorithms for solving routing and wavelength assignment problem in optical networks: A comparative study. , 2012, , .		2
33	An efficient Markov energy predictor for software defined wireless sensor networks. Wireless Networks, 2022, 28, 3391-3409.	3.0	2
34	Two dimensional systolic adaptive DLMS FIR filters for image processing on FPGA. , 2012, , .		1
35	New approach for mobile adâ€hoc networks unity issue in a suspicious environment. IET Networks, 2013, 2, 37-44.	1.8	1
36	An energy-balanced distributed clustering protocol for wireless sensor networks. , 2014, , .		1

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37	A Wideband 5-bit Switched Step Attenuator in 0.18 Âµm CMOS Technology. IETE Journal of Research, 2016, 62, 295-300.	2.6	1
38	Experimental Comparison of ALOHA and CSMA/CA for Visible Light Communication IoT Networks. , 2022, , .		1
39	Node-arc capacity allcation in optical networks with inexact data. , 2010, , .		0
40	Artificial Bee Colony model for survivable DWDM optical networks design. , 2012, , .		0
41	Duplication avoidance for energy efficient wireless sensor networks. , 2012, , .		0
42	Multi-level cross-layer protocol for end-to-end delay provisioning in wireless multimedia sensor networks. Frontiers of Information Technology and Electronic Engineering, 2019, 20, 1266-1276.	2.6	0
43	High-throughput energy-efficient pipeline architecture for successive cancellation polar decoder. Microprocessors and Microsystems, 2022, 92, 104552.	2.8	0