

# Bharat S Chaudhari

## List of Publications by Year in descending order

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47  
papers

497  
citations

840119

11  
h-index

752256

20  
g-index

50  
all docs

50  
docs citations

50  
times ranked

289  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimal Localization of Internet of Things Nodes. SpringerBriefs in Applied Sciences and Technology, 2022, , .	0.2	1
2	Introduction to Internet of Things. SpringerBriefs in Applied Sciences and Technology, 2022, , 1-15.	0.2	1
3	Localization Approaches for Internet of Things. SpringerBriefs in Applied Sciences and Technology, 2022, , 17-50.	0.2	1
4	Optimal Network Configuration in Heterogeneous Industrial IoT. SpringerBriefs in Applied Sciences and Technology, 2022, , 67-94.	0.2	0
5	Node Localization for Smart Parking Systems. SpringerBriefs in Applied Sciences and Technology, 2022, , 51-66.	0.2	1
6	IoT-Based Localization of Elderly Persons. SpringerBriefs in Applied Sciences and Technology, 2022, , 95-113.	0.2	0
7	6TiSCH Low Latency Autonomous Scheduling for Industrial Internet of Things. IEEE Access, 2022, 10, 71566-71575.	2.6	4
8	GWO Model for Optimal Localization of IoT-Enabled Sensor Nodes in Smart Parking Systems. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 1217-1224.	4.7	34
9	Towards green computing: intelligent bio-inspired agent for IoT-enabled wireless sensor networks. International Journal of Sensor Networks, 2021, 35, 121.	0.2	19
10	Enhanced Differential Crossover and Quantum Particle Swarm Optimization for IoT Applications. IEEE Access, 2021, 9, 93831-93846.	2.6	35
11	Survey of Localization for Internet of Things Nodes: Approaches, Challenges and Open Issues. Future Internet, 2021, 13, 210.	2.4	39
12	IoT-based hybrid optimized fuzzy threshold ELM model for localization of elderly persons. Expert Systems With Applications, 2021, 184, 115500.	4.4	14
13	Towards green computing: intelligent bio-inspired agent for IoT-enabled wireless sensor networks. International Journal of Sensor Networks, 2021, 35, 121.	0.2	3
14	A Novel Enhanced Quantum PSO for Optimal Network Configuration in Heterogeneous Industrial IoT. IEEE Access, 2021, 9, 134022-134036.	2.6	23
15	Optimized designs of low loss non-blocking optical router for ONoC applications. International Journal of Information Technology (Singapore), 2020, 12, 91-96.	1.8	10
16	Development of LoRaWAN based Traffic Clearance System for Emergency Vehicles. , 2020, , .		2
17	LPWAN Technologies: Emerging Application Characteristics, Requirements, and Design Considerations. Future Internet, 2020, 12, 46.	2.4	131
18	Introduction to low-power wide-area networks. , 2020, , 1-13.		10

#	ARTICLE	IF	CITATIONS
19	NB-IoT: concepts, applications, and deployment challenges. , 2020, , 119-144.		22
20	TV white spaces for low-power wide-area networks. , 2020, , 167-179.		3
21	Hardware and software platforms for low-power wide-area networks. , 2020, , 397-407.		1
22	Design considerations and network architectures for low-power wide-area networks. , 2020, , 15-35.		16
23	LoRa Transmission Over Rayleigh Fading Channels in Presence of Interference. Lecture Notes in Networks and Systems, 2020, , 185-192.	0.5	1
24	Impact of Interference on LoRaWAN Link Performance. , 2019, , .		8
25	Binary grey wolf optimisationâ€based topology control for WSNs. IET Wireless Sensor Systems, 2019, 9, 333-339.	1.3	19
26	Design and Analysis of Five Port Optical Router for Optical NoC. , 2018, , .		3
27	Design and performace ananlysis of IIoT topologies using SDN. , 2018, , .		0
28	Vulnerable Network Analysis Using War Driving and Security Intelligence. Lecture Notes in Networks and Systems, 2018, , 465-471.	0.5	0
29	Placement of Wavelength Converters in Dynamically Routed All Optical Networks in presence of Tunable Transceivers. Network Protocols and Algorithms, 2016, 7, 26.	1.0	0
30	Vulnerable network analysis using war driving and security intelligence. , 2016, , .		9
31	Dynamic performance analysis of IEEE 802.15.4 devices under various RF interferences. , 2016, , .		2
32	Placement of sparse partial uniform and non-uniform wavelength converters in wavelength routed networks. , 2015, , .		1
33	Evaluation and performance analysis of graph theoretical methods for image segmentation. , 2014, , .		1
34	Coherent crosstalk in passive microring based Optical Networks-on-Chip. Optik, 2012, 123, 2204-2207.	1.4	2
35	Passive Micro-resonator based GMPLS Router for Optical Network-on-Chip. Network Protocols and Algorithms, 2011, 3, .	1.0	1
36	Analysis of crosstalk and modeling of possible number of routing stages for optically transparent wavelength-division multiplexing nodes of generalized multiprotocol label-switched networks. Optical Engineering, 2010, 49, 115001.	0.5	1

#	ARTICLE	IF	CITATIONS
37	Crosstalk aware wavelength assignment in static wavelength routing. , 2010, , .		1
38	Fabrication and annealing analysis of three-dimensional photonic crystals. Applied Surface Science, 2007, 253, 3933-3936.	3.1	11
39	Reliable On-board and Remote Vehicular Network Management for Hybrid Automobiles. , 2006, , .		5
40	Analysis of GaN-based single-mode rib waveguide with large cross section. Journal of Micro/Nanolithography, MEMS, and MOEMS, 2006, 5, 033009.	1.0	2
41	Ultracompact and large-scale power splitters on silicon-based two-dimensional photonic crystals at near-infrared wavelengths. Optical Engineering, 2006, 45, 024601.	0.5	4
42	3x2 integrated microphotonic switches. , 2005, , .		0
43	Ultracompact, multifunctional, and highly integrated 3Å—2 photonic switches. Applied Physics Letters, 2004, 84, 2241-2243.	1.5	17
44	Intelligent integration of optical power splitter with optically switchable cross-connect based on multimode interference principle in SiGeâˆSi. Applied Physics Letters, 2004, 85, 1119-1121.	1.5	15
45	Impact of crosstalk power penalty in design of SM-optical bus arrays. , 2004, , .		0
46	Characteristics of polymeric optical passive single-mode waveguiding devices fabricated by an argon-ion laser. Applied Optics, 1998, 37, 6779.	2.1	11
47	Electromagnetic field and artificial intelligence based fault detection and classification system for the transmission lines in smart grid. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-15.	1.2	6