

Abu Jahid

List of Publications by Year in descending order

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44
papers

697
citations

623574

14
h-index

677027

22
g-index

44
all docs

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docs citations

44
times ranked

311
citing authors

#	ARTICLE	IF	CITATIONS
1	A contemporary survey on free space optical communication: Potentials, technical challenges, recent advances and research direction. <i>Journal of Network and Computer Applications</i> , 2022, 200, 103311.	5.8	86
2	A smart IoT based system for monitoring and controlling the sub-station equipment. <i>Internet of Things (Netherlands)</i> , 2019, 7, 100085.	4.9	56
3	Renewable Energy Assisted Cost Aware Sustainable Off-Grid Base Stations With Energy Cooperation. <i>IEEE Access</i> , 2018, 6, 60900-60920.	2.6	51
4	Solar PV and Biomass Resources-Based Sustainable Energy Supply for Off-Grid Cellular Base Stations. <i>IEEE Access</i> , 2020, 8, 53817-53840.	2.6	46
5	Toward Energy Efficiency Aware Renewable Energy Management in Green Cellular Networks With Joint Coordination. <i>IEEE Access</i> , 2019, 7, 75782-75797.	2.6	39
6	Techno-Economic and Energy Efficiency Analysis of Optimal Power Supply Solutions for Green Cellular Base Stations. <i>IEEE Access</i> , 2020, 8, 43776-43795.	2.6	32
7	Green energy driven cellular networks with JT CoMP technique. <i>Physical Communication</i> , 2018, 28, 58-68.	1.2	29
8	Hybrid power supply solutions for off-grid green wireless networks. <i>International Journal of Green Energy</i> , 2019, 16, 12-33.	2.1	28
9	PV-Powered CoMP-Based Green Cellular Networks with a Standby Grid Supply. <i>International Journal of Photoenergy</i> , 2017, 2017, 1-14.	1.4	22
10	Dynamic point selection CoMP enabled hybrid powered green cellular networks. <i>Computers and Electrical Engineering</i> , 2018, 72, 1006-1020.	3.0	20
11	Multi-Objective Optimum Design of Hybrid Renewable Energy System for Sustainable Energy Supply to a Green Cellular Networks. <i>Sustainability</i> , 2020, 12, 3536.	1.6	20
12	Towards Energy Efficient Load Balancing for Sustainable Green Wireless Networks Under Optimal Power Supply. <i>IEEE Access</i> , 2020, 8, 200635-200654.	2.6	18
13	Long-Term Techno-Economic Analysis of Sustainable and Zero Grid Cellular Base Station. <i>IEEE Access</i> , 2021, 9, 54159-54172.	2.6	18
14	Feasibility analysis of solar powered base stations for sustainable heterogeneous networks. , 2017, , .		17
15	Dimensioning of Zero Grid Electricity Cellular Networking with Solar Powered Off-Grid BS. , 2017, , .		17
16	Renewable Energy-Aware Sustainable Cellular Networks with Load Balancing and Energy-Sharing Technique. <i>Sustainability</i> , 2020, 12, 9340.	1.6	17
17	Energy efficient BS Cooperation in DPS CoMP based cellular networks with hybrid power supply. , 2016, , .		15
18	Energy-cost aware hybrid power system for off-grid base stations under green cellular networks. , 2017, , .		15

#	ARTICLE	IF	CITATIONS
19	Intelligent Energy Cooperation Framework for Green Cellular Base Stations. , 2018, , .		15
20	Quantifying Potential of Hybrid PV/WT Power Supplies for Off-Grid LTE Base Station. , 2018, , .		14
21	Blockchain Based Authentication and Cluster Head Selection Using DDR-LEACH in Internet of Sensor Things. Sensors, 2022, 22, 1972.	2.1	14
22	Energy efficiency of JT CoMP based green powered LTE-A cellular networks. , 2017, , .		13
23	Autonomous Fuzzy Controller Design for the Utilization of Hybrid PV-Wind Energy Resources in Demand Side Management Environment. Electronics (Switzerland), 2021, 10, 1618.	1.8	12
24	Energy cooperation among BS with hybrid power supply for DPS CoMP based cellular networks. , 2016, , .		11
25	A CoMP based LTE-A simulator for green communications. , 2017, , .		9
26	Renewable Energy Aware Cost Assessment for Green Data Center with Hybrid Energy Sources. , 2019, , .		9
27	Energy Efficient Throughput Aware Traffic Load Balancing in Green Cellular Networks. IEEE Access, 2021, 9, 90587-90602.	2.6	7
28	Energy Efficiency of Renewable Powered Cloud Radio Access Network. , 2018, , .		6
29	Energy Sustainable Traffic Aware Hybrid Powered Off-Grid Cloud Radio Access Network. , 2018, , .		6
30	User Association for Efficient Utilization of Green Energy in Cloud Radio Access Network. , 2019, , .		6
31	Performance Evaluation of Cloud Radio Access Network with Hybrid Power Supplies. , 2019, , .		6
32	Categorizing Diseases from Leaf Images Using a Hybrid Learning Model. Symmetry, 2021, 13, 2073.	1.1	6
33	Dynamic Load Management Framework for Off-Grid Base Stations with Hybrid Power Supply. , 2018, , .		4
34	Powering Mobile Networks with Optimal Green Energy for Sustainable Development. Computers, Materials and Continua, 2021, 69, 661-677.	1.5	3
35	Optimization of Network Sustainability for LTE BS Deployment in Bangladesh with Hybrid Supplies. , 2018, , .		2
36	Toward Optimal Cost-Energy Management Green Framework for Sustainable Future Wireless Networks. Computers, Materials and Continua, 2021, 68, 1321-1339.	1.5	2

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37	Optimal Cost-Aware Paradigm for Off-Grid Green Cellular Networks in Oman. Computers, Materials and Continua, 2021, 68, 2665-2680.	1.5	2
38	Energy Sustainable Provisioning for Green Data Centers. , 2018, , .		1
39	Cost Aware Grid Energy Minimization in Heterogeneous Green Wireless Networks. , 2018, , .		1
40	Analytical Evaluation of BER Considering Effect of Cross-Polarization in a Polarization Diversity 4 \times 4 MIMO Satellite to Ground Link. , 2019, , .		1
41	Adaptive Cell Zooming Strategy Toward Next-Generation Cellular Networks with Joint Transmission. Computers, Materials and Continua, 2021, 69, 81-98.	1.5	1
42	Performance proposition of limited-wavelength-interchange cross-connects considering Coherent and Incoherent crosstalk. , 2010, , .		0
43	Performance Analysis of DWDM System with Optical Amplifiers in Cascade Considering the Effect of Crosstalk. Journal Electrical and Electronic Engineering, 2015, 3, 110.	0.7	0
44	Application of Differential Geometry to the Array Manifolds of Linear Arrays in Antenna Array Processing. Electronics (Switzerland), 2021, 10, 2964.	1.8	0