Aimin Wang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/827306/publications.pdf

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25	414	840776 11	940533 16
papers	citations	h-index	g-index

25	25	25	250
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Joint Scheduling and Trajectory Optimization of Charging UAV in Wireless Rechargeable Sensor Networks. IEEE Internet of Things Journal, 2022, 9, 11796-11813.	8.7	6
2	Air Auxiliary Base Station Deployment Optimization in UAV-assisted IoT. , 2022, , .		0
3	Air to Air Communications Based on UAV-enabled Virtual Antenna Arrays: A Multi-objective Optimization Approach. , 2022, , .		3
4	Multiobjective Optimization for Improving Throughput and Energy Efficiency in UAV-Enabled IoT. IEEE Internet of Things Journal, 2022, 9, 20763-20777.	8.7	11
5	Secure and Energy-Efficient UAV Relay Communications Exploiting Collaborative Beamforming. IEEE Transactions on Communications, 2022, 70, 5401-5416.	7.8	15
6	An improved cuckoo search with reverse learning and invasive weed operators for suppressing sidelobe level of antenna arrays. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2021, 34, e2829.	1.9	7
7	Energy Efficient Collaborative Beamforming for Reducing Sidelobe in Wireless Sensor Networks. IEEE Transactions on Mobile Computing, 2021, 20, 965-982.	5.8	34
8	An improved biogeographyâ€based optimization approach for beam pattern optimizations of linear and circular antenna arrays. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2021, 34, e2910.	1.9	4
9	Scheduling Optimization of Charging UAV in Wireless Rechargeable Sensor Networks. , 2021, , .		1
10	Uplink Data Transmission Based on Collaborative Beamforming in UAV-assisted MWSNs. , 2021, , .		2
11	Improving charging performance for wireless rechargeable sensor networks based on charging UAVs: a joint optimization approach. , 2020, , .		6
12	Improving Performance of Distributed Collaborative Beamforming in Mobile Wireless Sensor Networks: A Multiobjective Optimization Method. IEEE Internet of Things Journal, 2020, 7, 6787-6801.	8.7	21
13	IWORMLF: Improved Invasive Weed Optimization With Random Mutation and LÃ©vy Flight for Beam Pattern Optimizations of Linear and Circular Antenna Arrays. IEEE Access, 2020, 8, 19460-19478.	4.2	33
14	Suppressing Sidelobe Level of the Planar Antenna Array in Wireless Power Transmission. IEEE Access, 2019, 7, 6958-6970.	4.2	28
15	A Sidelobe and Energy Optimization Array Node Selection Algorithm for Collaborative Beamforming in Wireless Sensor Networks. IEEE Access, 2018, 6, 2515-2530.	4.2	38
16	Power-pattern synthesis for energy beamforming in wireless power transmission. Neural Computing and Applications, 2018, 30, 2327-2342.	5.6	7
17	Multi-objective optimization for distributed collaborative beamforming in mobile wireless sensor networks. , 2018, , .		2
18	An Antenna Array Sidelobe Level Reduction Approach through Invasive Weed Optimization. International Journal of Antennas and Propagation, 2018, 2018, 1-16.	1.2	35

#	Article	IF	Citations
19	Radiation Beam Pattern Synthesis of Concentric Circular Antenna Arrays Using Hybrid Approach Based on Cuckoo Search. IEEE Transactions on Antennas and Propagation, 2018, 66, 4563-4576.	5.1	52
20	Thinning of Concentric Circular Antenna Arrays Using Improved Discrete Cuckoo Search Algorithm. , 2017, , .		18
21	Sidelobe reduction of largeâ€scale antenna array for 5G beamforming via hierarchical cuckoo search. Electronics Letters, 2017, 53, 1158-1160.	1.0	12
22	Signal distribution optimization for cabin visible light communications by using weighted search bat algorithm. , 2017, , .		2
23	Charging Nodes Deployment Optimization in Wireless Rechargeable Sensor Network. , 2017, , .		9
24	Sidelobe Control by Node Selection Algorithm Based on Virtual Linear Array for Collaborative Beamforming in WSNs. Wireless Personal Communications, 2016, 90, 1443-1462.	2.7	20
25	Node selection optimization for collaborative beamforming in wireless sensor networks. Ad Hoc Networks, 2016, 37, 389-403.	5.5	48