

Geng Sun

List of Publications by Year in descending order

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63
papers

992
citations

489802

18
h-index

563245

28
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64
all docs

64
docs citations

64
times ranked

770
citing authors

#	ARTICLE	IF	CITATIONS
1	An improved multiobjective evolutionary algorithm based on decomposition approach and its application in antenna array beam pattern synthesis. <i>International Journal of Numerical Modelling: Electronic Networks, Devices and Fields</i> , 2022, 35, e2935.	1.2	1
2	Joint Scheduling and Trajectory Optimization of Charging UAV in Wireless Rechargeable Sensor Networks. <i>IEEE Internet of Things Journal</i> , 2022, 9, 11796-11813.	5.5	6
3	Joint optimization of SNR and motion energy consumption for UAV-enabled collaborative beamforming. <i>Wireless Networks</i> , 2022, 28, 2001-2016.	2.0	1
4	Biogeography-based optimization with adaptive migration and adaptive mutation with its application in sidelobe reduction of antenna arrays. <i>Applied Soft Computing Journal</i> , 2022, 121, 108772.	4.1	10
5	Air Auxiliary Base Station Deployment Optimization in UAV-assisted IoT. , 2022, , .		0
6	Air to Air Communications Based on UAV-enabled Virtual Antenna Arrays: A Multi-objective Optimization Approach. , 2022, , .		3
7	Multiobjective Optimization for Improving Throughput and Energy Efficiency in UAV-Enabled IoT. <i>IEEE Internet of Things Journal</i> , 2022, 9, 20763-20777.	5.5	11
8	Secure and Energy-Efficient UAV Relay Communications Exploiting Collaborative Beamforming. <i>IEEE Transactions on Communications</i> , 2022, 70, 5401-5416.	4.9	15
9	An improved cuckoo search with reverse learning and invasive weed operators for suppressing sidelobe level of antenna arrays. <i>International Journal of Numerical Modelling: Electronic Networks, Devices and Fields</i> , 2021, 34, e2829.	1.2	7
10	Energy Efficient Collaborative Beamforming for Reducing Sidelobe in Wireless Sensor Networks. <i>IEEE Transactions on Mobile Computing</i> , 2021, 20, 965-982.	3.9	34
11	Time and Energy Minimization Communications Based on Collaborative Beamforming for UAV Networks: A Multi-Objective Optimization Method. <i>IEEE Journal on Selected Areas in Communications</i> , 2021, 39, 3555-3572.	9.7	27
12	Applications of Game Theory in Vehicular Networks: A Survey. <i>IEEE Communications Surveys and Tutorials</i> , 2021, 23, 2660-2710.	24.8	22
13	Physical Layer Secure Communications Based on Collaborative Beamforming for UAV Networks: A Multi-objective Optimization Approach. , 2021, , .		13
14	An improved biogeography-based optimization approach for beam pattern optimizations of linear and circular antenna arrays. <i>International Journal of Numerical Modelling: Electronic Networks, Devices and Fields</i> , 2021, 34, e2910.	1.2	4
15	Complex Environment Path Planning for Unmanned Aerial Vehicles. <i>Sensors</i> , 2021, 21, 5250.	2.1	8
16	A tensor decomposition based collaborative filtering algorithm for time-aware POI recommendation in LBSN. <i>Multimedia Tools and Applications</i> , 2021, 80, 36215-36235.	2.6	4
17	Charging UAV deployment for improving charging performance of wireless rechargeable sensor networks via joint optimization approach. <i>Computer Networks</i> , 2021, 201, 108573.	3.2	12
18	Scheduling Optimization of Charging UAV in Wireless Rechargeable Sensor Networks. , 2021, , .		1

#	ARTICLE	IF	CITATIONS
19	A Joint Optimization Approach for UAV-enabled Collaborative Beamforming. , 2021, , .		1
20	Uplink Data Transmission Based on Collaborative Beamforming in UAV-assisted MWSNs. , 2021, , .		2
21	Joint sidelobe suppression and nulls control of large-scale linear antenna array using particle swarm optimization with global search and population mutation. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2020, 33, e2710.	1.2	8
22	IBDA: Improved Binary Dragonfly Algorithm With Evolutionary Population Dynamics and Adaptive Crossover for Feature Selection. IEEE Access, 2020, 8, 108032-108051.	2.6	19
23	Improving charging performance for wireless rechargeable sensor networks based on charging UAVs: a joint optimization approach. , 2020, , .		6
24	Bio-Inspired Feature Selection: An Improved Binary Particle Swarm Optimization Approach. IEEE Access, 2020, 8, 85989-86002.	2.6	62
25	A joint optimization approach for distributed collaborative beamforming in mobile wireless sensor networks. Ad Hoc Networks, 2020, 106, 102216.	3.4	11
26	Improving Performance of Distributed Collaborative Beamforming in Mobile Wireless Sensor Networks: A Multiobjective Optimization Method. IEEE Internet of Things Journal, 2020, 7, 6787-6801.	5.5	21
27	IWORMLF: Improved Invasive Weed Optimization With Random Mutation and Lévy Flight for Beam Pattern Optimizations of Linear and Circular Antenna Arrays. IEEE Access, 2020, 8, 19460-19478.	2.6	33
28	A Physical Layer Security Approach Based on Optical Beamforming for Indoor Visible Light Communication. IEEE Communications Letters, 2020, 24, 2109-2113.	2.5	13
29	Sidelobe Reductions of Antenna Arrays via an Improved Chicken Swarm Optimization Approach. IEEE Access, 2020, 8, 37664-37683.	2.6	46
30	JSSA: Joint Sidelobe Suppression Approach for Collaborative Beamforming in Wireless Sensor Networks. IEEE Access, 2019, 7, 151803-151817.	2.6	17
31	Collaborative In-Network Processing for Internet of Battery-Less Things. IEEE Internet of Things Journal, 2019, 6, 5184-5195.	5.5	13
32	A Hybrid Optimization Approach for Suppressing Sidelobe Level and Reducing Transmission Power in Collaborative Beamforming. , 2019, , .		0
33	A Modified Chicken Swarm Optimization Algorithm for Synthesizing Linear, Circular and Random Antenna Arrays. , 2019, , .		4
34	Suppressing Sidelobe Level of the Planar Antenna Array in Wireless Power Transmission. IEEE Access, 2019, 7, 6958-6970.	2.6	28
35	Doppler-robust high-spectrum-efficiency VCM-OFDM scheme for low Earth orbit satellites broadband data transmission. IET Communications, 2018, 12, 35-43.	1.5	8
36	Online model parameter identification for supercapacitor based on weighting bat algorithm. AEU - International Journal of Electronics and Communications, 2018, 87, 113-118.	1.7	9

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37	A game theoretic algorithm to detect overlapping community structure in networks. Physics Letters, Section A: General, Atomic and Solid State Physics, 2018, 382, 872-879.	0.9	17
38	A Sidelobe and Energy Optimization Array Node Selection Algorithm for Collaborative Beamforming in Wireless Sensor Networks. IEEE Access, 2018, 6, 2515-2530.	2.6	38
39	Power-pattern synthesis for energy beamforming in wireless power transmission. Neural Computing and Applications, 2018, 30, 2327-2342.	3.2	7
40	A novel connectivity and coverage algorithm based on shortest path for wireless sensor networks. Computers and Electrical Engineering, 2018, 71, 1025-1039.	3.0	18
41	Deploying charging nodes in wireless rechargeable sensor networks based on improved firefly algorithm. Computers and Electrical Engineering, 2018, 72, 719-731.	3.0	26
42	Sparse Synthesis of Concentric Circular Antenna Array via Multi-Objective Evolutionary Computation. , 2018, , .		2
43	Multi-objective optimization for distributed collaborative beamforming in mobile wireless sensor networks. , 2018, , .		2
44	Latency-Aware In-Network Computing for Internet of Battery-Less Things. , 2018, , .		3
45	An Improved Cuckoo search Algorithm for Optimizing the Beam Patterns of the Random Antenna Arrays. , 2018, , .		3
46	Planning Optimization of the Distributed Antenna System in High-Speed Railway Communication Network Based on Improved Cuckoo Search. International Journal of Antennas and Propagation, 2018, 2018, 1-14.	0.7	2
47	An Antenna Array Sidelobe Level Reduction Approach through Invasive Weed Optimization. International Journal of Antennas and Propagation, 2018, 2018, 1-16.	0.7	35
48	Power Management for Controlling Event Detection Probability of Supercapacitor Powered Sensor Networks. , 2018, , .		0
49	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.	3.1	52
50	Beam pattern synthesis based on improved biogeography-based optimization for reducing sidelobe level. Computers and Electrical Engineering, 2017, 60, 161-174.	3.0	25
51	Coverage optimization of VLC in smart homes based on improved cuckoo search algorithm. Computer Networks, 2017, 116, 63-78.	3.2	26
52	Thinning of Concentric Circular Antenna Arrays Using Improved Discrete Cuckoo Search Algorithm. , 2017, , .		18
53	Beam pattern design of circular antenna array via efficient biogeography-based optimization. AEU - International Journal of Electronics and Communications, 2017, 79, 275-285.	1.7	18
54	Sidelobe reduction of large-scale antenna array for 5G beamforming via hierarchical cuckoo search. Electronics Letters, 2017, 53, 1158-1160.	0.5	12

#	ARTICLE	IF	CITATIONS
55	Sidelobe level suppression for linear and circular antenna arrays via the cuckoo search "chicken swarm optimization algorithm. IET Microwaves, Antennas and Propagation, 2017, 11, 209-218.	0.7	57
56	Signal distribution optimization for cabin visible light communications by using weighted search bat algorithm. , 2017, , .		2
57	Charging Nodes Deployment Optimization in Wireless Rechargeable Sensor Network. , 2017, , .		9
58	Transmission power optimization for reducing sidelobe via bat-chicken swarm optimization in distributed collaborative beamforming. , 2016, , .		6
59	A novel multi-objective coverage optimization memetic algorithm for directional sensor networks. International Journal of Distributed Sensor Networks, 2016, 12, 155014771665792.	1.3	6
60	Sidelobe Control by Node Selection Algorithm Based on Virtual Linear Array for Collaborative Beamforming in WSNs. Wireless Personal Communications, 2016, 90, 1443-1462.	1.8	20
61	Node selection optimization for collaborative beamforming in wireless sensor networks. Ad Hoc Networks, 2016, 37, 389-403.	3.4	48
62	Multiobjective biogeography based optimization algorithm with decomposition for community detection in dynamic networks. Physica A: Statistical Mechanics and Its Applications, 2015, 436, 430-442.	1.2	37
63	A virtual square grid-based coverage algorithm of redundant node for wireless sensor network. Journal of Network and Computer Applications, 2013, 36, 811-817.	5.8	23