

# Shuang Liang

## List of Publications by Year in descending order

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Version: 2024-02-01

17  
papers

318  
citations

1040056

9  
h-index

1199594

12  
g-index

17  
all docs

17  
docs citations

17  
times ranked

217  
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.	1.9	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.	8.7	6
3	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.	14.0	27
4	Physical Layer Secure Communications Based on Collaborative Beamforming for UAV Networks: A Multi-objective Optimization Approach. , 2021, , .		13
5	Charging UAV deployment for improving charging performance of wireless rechargeable sensor networks via joint optimization approach. <i>Computer Networks</i> , 2021, 201, 108573.	5.1	12
6	Uplink Data Transmission Based on Collaborative Beamforming in UAV-assisted MWSNs. , 2021, , .		2
7	Joint sidelobe suppression and nulls control of large-scale linear antenna array using particle swarm optimization with global search and population mutation. <i>International Journal of Numerical Modelling: Electronic Networks, Devices and Fields</i> , 2020, 33, e2710.	1.9	8
8	IWORMLF: Improved Invasive Weed Optimization With Random Mutation and Lévy Flight for Beam Pattern Optimizations of Linear and Circular Antenna Arrays. <i>IEEE Access</i> , 2020, 8, 19460-19478.	4.2	33
9	A Physical Layer Security Approach Based on Optical Beamforming for Indoor Visible Light Communication. <i>IEEE Communications Letters</i> , 2020, 24, 2109-2113.	4.1	13
10	Sidelobe Reductions of Antenna Arrays via an Improved Chicken Swarm Optimization Approach. <i>IEEE Access</i> , 2020, 8, 37664-37683.	4.2	46
11	JSSA: Joint Sidelobe Suppression Approach for Collaborative Beamforming in Wireless Sensor Networks. <i>IEEE Access</i> , 2019, 7, 151803-151817.	4.2	17
12	A Sidelobe and Energy Optimization Array Node Selection Algorithm for Collaborative Beamforming in Wireless Sensor Networks. <i>IEEE Access</i> , 2018, 6, 2515-2530.	4.2	38
13	Planning Optimization of the Distributed Antenna System in High-Speed Railway Communication Network Based on Improved Cuckoo Search. <i>International Journal of Antennas and Propagation</i> , 2018, 2018, 1-14.	1.2	2
14	An Antenna Array Sidelobe Level Reduction Approach through Invasive Weed Optimization. <i>International Journal of Antennas and Propagation</i> , 2018, 2018, 1-16.	1.2	35
15	Sidelobe level suppression for linear and circular antenna arrays via the cuckoo search chicken swarm optimisation algorithm. <i>IET Microwaves, Antennas and Propagation</i> , 2017, 11, 209-218.	1.4	57
16	Signal distribution optimization for cabin visible light communications by using weighted search bat algorithm. , 2017, , .		2
17	Transmission power optimization for reducing sidelobe via bat-chicken swarm optimization in distributed collaborative beamforming. , 2016, , .		6