

# Sotirios K Goudos

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/469710/sotirios-k-goudos-publications-by-citations.pdf>

**Version:** 2024-04-10

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

158 papers	2,860 citations	23 h-index	50 g-index
196 ext. papers	3,686 ext. citations	2.6 avg, IF	5.85 L-index

#	Paper	IF	Citations
158	Solving Semantic Interoperability Conflicts in Cross-Border E-Government Services. <i>International Journal on Semantic Web and Information Systems</i> , <b>2009</b> , 5, 1-47	1.4	902
157	Internet of Things (IoT) and Agricultural Unmanned Aerial Vehicles (UAVs) in smart farming: A comprehensive review. <i>Internet of Things (Netherlands)</i> , <b>2020</b> , 100187	6.9	141
156	Faster R-CNN for multi-class fruit detection using a robotic vision system. <i>Computer Networks</i> , <b>2020</b> , 168, 107036	5.4	126
155	Application of a Comprehensive Learning Particle Swarm Optimizer to Unequally Spaced Linear Array Synthesis With Sidelobe Level Suppression and Null Control. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2010</b> , 9, 125-129	3.8	95
154	Self-Adaptive Differential Evolution Applied to Real-Valued Antenna and Microwave Design Problems. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2011</b> , 59, 1286-1298	4.9	84
153	A Survey of IoT Key Enabling and Future Technologies: 5G, Mobile IoT, Semantic Web and Applications. <i>Wireless Personal Communications</i> , <b>2017</b> , 97, 1645-1675	1.9	64
152	A Multi-Objective Approach to Subarrayed Linear Antenna Arrays Design Based on Memetic Differential Evolution. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2013</b> , 61, 3042-3052	4.9	62
151	APPLICATION OF TAGUCHI'S OPTIMIZATION METHOD AND SELF-ADAPTIVE DIFFERENTIAL EVOLUTION TO THE SYNTHESIS OF LINEAR ANTENNA ARRAYS. <i>Progress in Electromagnetics Research</i> , <b>2010</b> , 102, 159-180	3.8	60
150	Sparse Linear Array Synthesis With Multiple Constraints Using Differential Evolution With Strategy Adaptation. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2011</b> , 10, 670-673	3.8	60
149	Pareto Optimal Microwave Filter Design Using Multiobjective Differential Evolution. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2010</b> , 58, 132-144	4.9	54
148	Thinned Planar Array Design Using Boolean PSO With Velocity Mutation. <i>IEEE Transactions on Magnetics</i> , <b>2009</b> , 45, 1490-1493	2	51
147	Microwave absorber optimal design using multi-objective particle swarm optimization. <i>Microwave and Optical Technology Letters</i> , <b>2006</b> , 48, 1553-1558	1.2	48
146	Application of a Composite Differential Evolution Algorithm in Optimal Neural Network Design for Propagation Path-Loss Prediction in Mobile Communication Systems. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2013</b> , 12, 364-367	3.8	45
145	Model-driven eGovernment interoperability: A review of the state of the art. <i>Computer Standards and Interfaces</i> , <b>2009</b> , 31, 613-628	3.5	38
144	PARETO OPTIMAL YAGI-UDA ANTENNA DESIGN USING MULTI-OBJECTIVE DIFFERENTIAL EVOLUTION. <i>Progress in Electromagnetics Research</i> , <b>2010</b> , 105, 231-251	3.8	32
143	Design of microwave broadband absorbers using a self-adaptive differential evolution algorithm. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , <b>2009</b> , 19, 364-372	1.5	31
142	Pareto Optimal Design of Dual-Band Base Station Antenna Arrays Using Multi-Objective Particle Swarm Optimization With Fitness Sharing. <i>IEEE Transactions on Magnetics</i> , <b>2009</b> , 45, 1522-1525	2	30

141	On the design of switched-beam wideband base stations. <i>IEEE Antennas and Propagation Magazine</i> , <b>2004</b> , 46, 158-167	1.7	28
140	A Novel Design Approach for 5G Massive MIMO and NB-IoT Green Networks Using a Hybrid Jaya-Differential Evolution Algorithm. <i>IEEE Access</i> , <b>2019</b> , 7, 105687-105700	3.5	26
139	. <i>IEEE Transactions on Industrial Informatics</i> , <b>2021</b> , 1-1	11.9	26
138	Novel Spiral Antenna Design Using Artificial Bee Colony Optimization for UHF RFID Applications. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2014</b> , 13, 528-531	3.8	25
137	Smart Irrigation System for Precision AgricultureThe AREThOU5A IoT Platform. <i>IEEE Sensors Journal</i> , <b>2021</b> , 21, 17539-17547	4	25
136	A versatile software tool for microwave planar radar absorbing materials design using global optimization algorithms. <i>Materials &amp; Design</i> , <b>2007</b> , 28, 2585-2595		24
135	APPLICATION OF A DIFFERENTIAL EVOLUTION ALGORITHM WITH STRATEGY ADAPTATION TO THE DESIGN OF MULTI-BAND MICROWAVE FILTERS FOR WIRELESS COMMUNICATIONS. <i>Progress in Electromagnetics Research</i> , <b>2010</b> , 109, 123-137	3.8	22
134	Realizing 5G vision through Cloud RAN: technologies, challenges, and trends. <i>Eurasip Journal on Wireless Communications and Networking</i> , <b>2018</b> , 2018,	3.2	22
133	Antenna Design Using Binary Differential Evolution: Application to discrete-valued design problems.. <i>IEEE Antennas and Propagation Magazine</i> , <b>2017</b> , 59, 74-93	1.7	21
132	Artificial Neural Network Optimal Modeling and Optimization of UAV Measurements for Mobile Communications Using the L-SHADE Algorithm. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2019</b> , 67, 4022-4031	4.9	21
131	Seasonal decomposition and forecasting of telecommunication data: A comparative case study. <i>Technological Forecasting and Social Change</i> , <b>2006</b> , 73, 495-509	9.5	21
130	Multi-objective network planning optimization algorithm: human exposure, power consumption, cost, and capacity. <i>Wireless Networks</i> , <b>2015</b> , 21, 841-857	2.5	20
129	A multi-objective approach to indoor wireless heterogeneous networks planning based on biogeography-based optimization. <i>Computer Networks</i> , <b>2015</b> , 91, 564-576	5.4	20
128	WSMO-PA: Formal Specification of Public Administration Service Model on Semantic Web Service Ontology <b>2007</b> ,		20
127	Evolutionary Algorithms Applied to Antennas and Propagation: A Review of State of the Art. <i>International Journal of Antennas and Propagation</i> , <b>2016</b> , 2016, 1-12	1.2	20
126	A comparative study of common and self-adaptive differential evolution strategies on numerical benchmark problems. <i>Procedia Computer Science</i> , <b>2011</b> , 3, 83-88	1.6	17
125	Multi-Objective Optimization in 5G Wireless Networks With Massive MIMO. <i>IEEE Communications Letters</i> , <b>2018</b> , 22, 2346-2349	3.8	17
124	Users Association in Ultra Dense THz Networks <b>2018</b> ,		16

123	Application of New Hybrid Jaya Grey Wolf Optimizer to Antenna Design for 5G Communications Systems. <i>IEEE Access</i> , <b>2019</b> , 7, 71061-71071	3.5	16
122	Evolutionary design of a dual band E-shaped patch antenna for 5G mobile communications <b>2017</b> ,		15
121	Neural Networks and Random Forests: A Comparison Regarding Prediction of Propagation Path Loss for NB-IoT Networks <b>2019</b> ,		15
120	Application of an Ensemble Method to UAV Power Modeling for Cellular Communications. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2019</b> , 18, 2340-2344	3.8	15
119	Public Administration Domain Ontology for a Semantic Web Services EGovernment Framework <b>2007</b> ,		15
118	Multi-Objective Optimization of Massive MIMO 5G Wireless Networks towards Power Consumption, Uplink and Downlink Exposure. <i>Applied Sciences (Switzerland)</i> , <b>2019</b> , 9, 4974	2.6	14
117	Design of load-ended spiral antennas for RFID UHF passive tags using improved artificial bee colony algorithm. <i>AEU - International Journal of Electronics and Communications</i> , <b>2015</b> , 69, 206-214	2.8	13
116	Cognitive Radio Engine Design for IoT Using Real-Coded Biogeography-Based Optimization and Fuzzy Decision Making. <i>Wireless Personal Communications</i> , <b>2017</b> , 97, 1813-1833	1.9	13
115	A conceptual analysis of semantic conflicts in pan-European e-government services. <i>Journal of Information Science</i> , <b>2008</b> , 34, 877-891	2	13
114	Fusing Diverse Input Modalities for Path Loss Prediction: A Deep Learning Approach. <i>IEEE Access</i> , <b>2021</b> , 9, 30441-30451	3.5	12
113	Fast design of multiband fractal antennas through a system-by-design approach for NB-IoT applications. <i>Eurasip Journal on Wireless Communications and Networking</i> , <b>2019</b> , 2019,	3.2	11
112	Deep learning for radio propagation: Using image-driven regression to estimate path loss in urban areas. <i>ICT Express</i> , <b>2020</b> , 6, 160-165	4.9	11
111	Reducing the number of elements in linear arrays using biogeography-based optimization <b>2012</b> ,		11
110	APPLICATION OF BOOLEAN PSO WITH ADAPTIVE VELOCITY MUTATION TO THE DESIGN OF OPTIMAL LINEAR ANTENNA ARRAYS EXCITED BY UNIFORMAMPLITUDE CURRENT DISTRIBUTION. <i>Journal of Electromagnetic Waves and Applications</i> , <b>2011</b> , 25, 1422-1436	1.3	11
109	Dielectric filter optimal design suitable for microwave communications by using multiobjective evolutionary algorithms. <i>Microwave and Optical Technology Letters</i> , <b>2007</b> , 49, 2324-2329	1.2	11
108	Modelling, Detecting and Mitigating Threats against Industrial Healthcare Systems: A combined SDN and Reinforcement Learning Approach. <i>IEEE Transactions on Industrial Informatics</i> , <b>2021</b> , 1-1	11.9	11
107	Designing Smart Electromagnetic Environments for Next-Generation Wireless Communications. <i>Telecom</i> , <b>2021</b> , 2, 213-221	1.8	10
106	Optimization of Power Consumption in 4G LTE Networks Using a Novel Barebones Self-adaptive Differential Evolution Algorithm. <i>Telecommunication Systems</i> , <b>2017</b> , 66, 109-120	2.3	9

105	Modeling by optimal Artificial Neural Networks the prediction of propagation path loss in urban environments <b>2013</b> ,		9
104	Monte Carlo simulation for the prediction of the emission level from multiple sources inside shielded enclosures. <i>IEEE Transactions on Electromagnetic Compatibility</i> , <b>2002</b> , 44, 291-308	2	9
103	. <i>IEEE Open Journal of Antennas and Propagation</i> , <b>2021</b> , 2, 151-162	1.9	9
102	Analysis of a Chaotic System with Line Equilibrium and Its Application to Secure Communications Using a Descriptor Observer. <i>Technologies</i> , <b>2019</b> , 7, 76	2.4	8
101	EMI Reduction and ICs Optimal Arrangement Inside High-Speed Networking Equipment Using Particle Swarm Optimization. <i>IEEE Transactions on Electromagnetic Compatibility</i> , <b>2008</b> , 50, 586-596	2	8
100	A test lab for the performance analysis of TCP over ethernet LAN on windows operating system. <i>IEEE Transactions on Education</i> , <b>2005</b> , 48, 318-328	2.1	8
99	Machine Learning in Beyond 5G/6G NetworksState-of-the-Art and Future Trends. <i>Electronics (Switzerland)</i> , <b>2021</b> , 10, 2786	2.6	8
98	Design of Large Thinned Arrays Using Different Biogeography-Based Optimization Migration Models. <i>International Journal of Antennas and Propagation</i> , <b>2016</b> , 2016, 1-11	1.2	8
97	Particle Swarm Optimization as Applied to Electromagnetic Design Problems. <i>International Journal of Swarm Intelligence Research</i> , <b>2018</b> , 9, 47-82	1.1	8
96	Joint power allocation and user association in non-orthogonal multiple access networks: An evolutionary approach. <i>Physical Communication</i> , <b>2019</b> , 37, 100841	2.2	7
95	Spectrum allocation in cognitive radio networks using chaotic biogeography-based optimisation. <i>IET Networks</i> , <b>2018</b> , 7, 328-335	2.8	7
94	Cell-to-switch assignment in cellular networks using barebones particle swarm optimization. <i>IEICE Electronics Express</i> , <b>2010</b> , 7, 254-260	0.5	7
93	On the Orthogonal Nonuniform Synthesis From a Set of Uniform Linear Arrays. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2007</b> , 6, 313-315	3.8	7
92	Hybrid teaching-learning optimization of wireless sensor networks. <i>Transactions on Emerging Telecommunications Technologies</i> , <b>2017</b> , 28, e3194	1.9	6
91	A comparative study of Particle Swarm Optimization and Differential Evolution on Radar Absorbing Materials design for EMC applications <b>2009</b> ,		6
90	Drone-Base-Station for Next-Generation Internet-of-Things: A Comparison of Swarm Intelligence Approaches. <i>IEEE Open Journal of Antennas and Propagation</i> , <b>2022</b> , 3, 32-47	1.9	6
89	Joint optimization towards power consumption and electromagnetic exposure for Massive MIMO 5G networks <b>2018</b> ,		6
88	Optimization of power consumption in wireless access networks using Differential Evolution with eigenvector based crossover operator <b>2016</b> ,		5

87	Shaped Beam Pattern Synthesis of Antenna Arrays Using Composite Differential Evolution with Eigenvector-Based Crossover Operator. <i>International Journal of Antennas and Propagation</i> , <b>2015</b> , 2015, 1-10	1.2	5
86	Facilitating the Semantic Discovery of eGovernment Services: The SemanticGov Portal <b>2007</b> ,		5
85	On the quantized excitation and the geometry synthesis of a linear array by the orthogonal method. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2001</b> , 49, 298-303	4.9	5
84	Feature Importances: A Tool to Explain Radio Propagation and Reduce Model Complexity. <i>Telecom</i> , <b>2020</b> , 1, 114-125	1.8	5
83	Application of Gbest-guided artificial bee colony algorithm to passive UHF RFID tag design. <i>International Journal of Microwave and Wireless Technologies</i> , <b>2016</b> , 8, 537-545	0.8	5
82	Communication Protocols for the IoT-Based Smart Grid. <i>Power Systems</i> , <b>2019</b> , 55-83	0.4	5
81	An Enhanced and Secure Cloud Infrastructure for e-Health Data Transmission. <i>Wireless Personal Communications</i> , <b>2021</b> , 117, 109-127	1.9	5
80	Emerging Swarm Intelligence Algorithms and Their Applications in Antenna Design: The GWO, WOA, and SSA Optimizers. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 8330	2.6	5
79	A public administration domain ontology for semantic discovery of eGovernment services <b>2007</b> ,		4
78	On mobile communications smart base-station system design. <i>IEEE Antennas and Propagation Magazine</i> , <b>2005</b> , 47, 139-144	1.7	4
77	3D Placement of Drone-Mounted Remote Radio Head for Minimum Transmission Power Under Connectivity Constraints. <i>IEEE Access</i> , <b>2020</b> , 8, 200338-200350	3.5	4
76	Triple-Band Single-Layer Rectenna for Outdoor RF Energy Harvesting Applications. <i>Sensors</i> , <b>2021</b> , 21,	3.8	4
75	Federated Intrusion Detection In NG-IoT Healthcare Systems: An Adversarial Approach <b>2021</b> ,		4
74	A novel generalized oppositional biogeography-based optimization algorithm: application to peak to average power ratio reduction in OFDM systems. <i>Open Mathematics</i> , <b>2016</b> , 14, 705-722	0.8	4
73	Antenna selection for MIMO systems using biogeography based optimization <b>2017</b> ,		3
72	An Energy Efficient Modulation Scheme for Body-Centric Terahertz (THz) Nanonetworks. <i>Technologies</i> , <b>2019</b> , 7, 14	2.4	3
71	Machine Learning Model Comparison for Leak Detection in Noisy Industrial Pipelines <b>2020</b> ,		3
70	MIMO Antenna Design for 5G Communication Systems Using Salp Swarm Algorithm <b>2020</b> ,		3

69	. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2019</b> , 18, 2220-2224	3.8	3
68	Optimizing meandered spiral antennas for RFID tags using gbest-guided Artificial Bee Colony algorithm <b>2014</b> ,		3
67	An analytical model for the CMOS inverter <b>2014</b> ,		3
66	Distance learning technology and service support in Greece: The case study of the Aristotle University over the last decade. <i>Education and Information Technologies</i> , <b>2011</b> , 16, 25-39	3.6	3
65	Solving Semantic Interoperability Conflicts in Cross-Border E-Government Services <b>2011</b> , 1-47		3
64	State-of-the-Art Techniques in RF Energy Harvesting Circuits. <i>Telecom</i> , <b>2021</b> , 2, 369-389	1.8	3
63	Wearable 5-Gigahertz Wi-Fi Antenna Design Using Whale Optimization Algorithm <b>2020</b> ,		3
62	Dual-Band RF-to-DC Rectifier with High Efficiency for RF Energy Harvesting Applications <b>2020</b> ,		3
61	Chaotic Jaya Approaches to Solving Electromagnetic Optimization Benchmark Problems. <i>Telecom</i> , <b>2021</b> , 2, 222-231	1.8	3
60	Metaheuristic Optimization of LED Locations for Visible Light Positioning Network Planning. <i>IEEE Transactions on Broadcasting</i> , <b>2021</b> , 1-15	4.7	3
59	Enhancing Machine Learning Models for Path Loss Prediction Using Image Texture Techniques. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2021</b> , 20, 1443-1447	3.8	3
58	Multi-object tracking by mutual supervision of CNN and particle filter. <i>Personal and Ubiquitous Computing</i> , <b>2019</b> , 1	2.1	2
57	Modified Patch Antenna Design Using Moth Search Algorithm for RF Energy Harvesting Applications <b>2020</b> ,		2
56	Optimal power allocation in wireless sensor networks using emerging nature-inspired algorithms <b>2016</b> ,		2
55	LTE measurements for flying relays <b>2018</b> ,		2
54	Radio Environment Maps for 5G Cognitive Radio Network <b>2019</b> ,		2
53	Synchronization of a Chaotic System with Line Equilibrium using a Descriptor Observer for Secure Communication <b>2019</b> ,		2
52	Experimental Optimization of Exposure Index and Quality of Service in Wlan Networks. <i>Radiation Protection Dosimetry</i> , <b>2017</b> , 175, 394-405	0.9	2



51	Passive UHF RFID Tags with Specific Printed Antennas for Dielectric and Metallic Objects Applications. <i>Radioengineering</i> , <b>2017</b> , 26, 735-745	0.8	2
50	Level change detection in time series using higher order statistics <b>2009</b> ,		2
49	Web based laboratory in electromagnetic compatibility using a Java applet. <i>Computer Applications in Engineering Education</i> , <b>2006</b> , 14, 269-280	1.6	2
48	Dualband Patch Antenna Design Using Binary Grey Wolf Optimizer <b>2020</b> ,		2
47	Towards Fairness-Aware Time-Sensitive Asynchronous Federated Learning for Critical Energy Infrastructure. <i>IEEE Transactions on Industrial Informatics</i> , <b>2021</b> , 1-1	11.9	2
46	Cognitive Radio Engine Design for IoT Using Monarch Butterfly Optimization and Fuzzy Decision Making. <i>Internet of Things</i> , <b>2020</b> , 81-100	1.3	2
45	Application of Artificial Bee Colony Algorithms to Antenna Design Problems for RFID Applications. <i>Advances in Computational Intelligence and Robotics Book Series</i> , <b>2016</b> , 236-265	0.4	2
44	Differential Evolution in Waveform Design for Wireless Power Transfer. <i>Telecom</i> , <b>2020</b> , 1, 96-113	1.8	2
43	Dual-Band Single-Layered Modified E-shaped Patch Antenna for RF Energy Harvesting Systems <b>2020</b> ,		2
42	Modelling Ray Tracing Propagation Data Using Different Machine Learning Algorithms <b>2020</b> ,		2
41	Combined Ray-Tracing/FDTD and Network Planner Methods for the Design of Massive MIMO Networks. <i>IEEE Access</i> , <b>2020</b> , 8, 206371-206387	3.5	2
40	Application of opposition-based learning concepts in reducing the power consumption in wireless access networks <b>2016</b> ,		2
39	Analysis, Synchronization and Microcontroller Implementation of a Generalized Hyperjerk System, with Application to Secure Communications Using a Descriptor Observer <b>2019</b> ,		2
38	Spiral inductor design based on fireworks optimization combined with free search <b>2018</b> ,		2
37	A preliminary coverage study in millimeter wave bands for 5G communication networks <b>2017</b> ,		1
36	A Novel Chaotic System with a Line Equilibrium: Analysis and Its Applications to Secure Communication and Random Bit Generation. <i>Telecom</i> , <b>2020</b> , 1, 283-296	1.8	1
35	Dual-Band Rectifier Design for Ambient RF Energy Harvesting <b>2020</b> ,		1
34	An Evaluation of the Equivalent Inverter Modeling Approach. <i>Circuits, Systems, and Signal Processing</i> , <b>2018</b> , 37, 2665-2693	2.2	1



33	A comparative study of different biogeography based optimization migration models performance on antenna array thinning problems <b>2016</b> ,		1
32	Multiobjective lightning search applied to Jiles-Atherton hysteresis model parameter estimation <b>2018</b> ,		1
31	Patch Antenna Design for C2C Communication Systems Using Monarch Butterfly Optimization <b>2019</b> ,		1
30	Design of optimum gain pyramidal horn using self-adaptive differential evolution algorithms. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , <b>2011</b> , 21, 59-66	1.5	1
29	Optimization of integrated circuits placement for electric field reduction inside telecommunications equipment using Monte Carlo simulation and parallel recombinative simulated annealing. <i>Microwave and Optical Technology Letters</i> , <b>2007</b> , 49, 3049-3055	1.2	1
28	Direct solution and Monte Carlo simulation of the inverse problem in two-layered half-space. <i>Electrical Engineering</i> , <b>2002</b> , 84, 51-60	1.5	1
27	. <i>IEEE Antennas and Propagation Magazine</i> , <b>2002</b> , 44, 62-74	1.7	1
26	Big Data against Security Threats: The SPEAR Intrusion Detection System <b>2020</b> ,		1
25	From Spatial Urban Site Data to Path Loss Prediction: An Ensemble Learning Approach. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 1-1	4.9	1
24	Optimization of Antenna Design Problems Using Binary Differential Evolution. <i>Advances in Business Information Systems and Analytics Book Series</i> , <b>2018</b> , 614-636	0.4	1
23	Multiobjective Ant Lion Approaches Applied to Electromagnetic Device Optimization. <i>Technologies</i> , <b>2021</b> , 9, 35	2.4	1
22	Evolutionary Algorithms Applied to Antennas and Propagation: Emerging Trends and Applications. <i>International Journal of Antennas and Propagation</i> , <b>2016</b> , 2016, 1-2	1.2	1
21	Phased Antenna Array Design using Shuffled Frog-Leaping Algorithm <b>2018</b> ,		1
20	MIMO antenna selection using biogeography-based optimization with nonlinear migration models. <i>International Journal of Communication Systems</i> , <b>2018</b> , 31, e3813	1.7	1
19	High-Efficiency Triple-Band RF-to-DC Rectifier Primary Design for RF Energy-Harvesting Systems. <i>Telecom</i> , <b>2021</b> , 2, 271-284	1.8	1
18	Teaching Electromagnetics to Next-Generation Engineers—The ELEDIA Recipe: The ELEDIA teaching style. <i>IEEE Antennas and Propagation Magazine</i> , <b>2020</b> , 62, 50-61	1.7	0
17	Evolutionary Algorithms Applied to Antennas and Propagation: Emerging Trends and Applications 2017. <i>International Journal of Antennas and Propagation</i> , <b>2018</b> , 2018, 1-2	1.2	0
16	Optimization of Antenna Arrays and Microwave Filters Using Differential Evolution Algorithms <b>2018</b> , 6595-6608		0

15	Novel Design Framework for Dual-Band Frequency Selective Surfaces Using Multi-Variant Differential Evolution. <i>Mathematics</i> , <b>2021</b> , 9, 2381	2.3	0
14	Encoding Spectral-Spatial Features for Hyperspectral Image Classification in the Satellite Internet of Things System. <i>Remote Sensing</i> , <b>2021</b> , 13, 3561	5	0
13	Artwork Style Recognition Using Vision Transformers and MLP Mixer. <i>Technologies</i> , <b>2022</b> , 10, 2	2.4	0
12	On the base stations antenna system design for mobile communications. <i>Electrical Engineering</i> , <b>2006</b> , 88, 157-163	1.5	
11	Particle Swarm Optimization Algorithms Applied to Antenna and Microwave Design Problems100-126		
10	Biogeography-Based Optimization Applied to Wireless Communications Problems <b>2018</b> , 5967-5980		
9	Biogeography-Based Optimization Applied to Wireless Communications Problems. <i>Advances in Computer and Electrical Engineering Book Series</i> , <b>2019</b> , 746-762	0.3	
8	Optimization of Antenna Arrays and Microwave Filters Using Differential Evolution Algorithms. <i>Advances in Computer and Electrical Engineering Book Series</i> , <b>2019</b> , 1281-1296	0.3	
7	Self-Adaptive Differential Evolution Algorithms for Wireless Communications and the Antenna and Microwave Design Problems <b>2015</b> , 5754-5766		
6	E-Government Implementation of Ontology-Based Public Domain Data Knowledge Representation <b>2016</b> , 778-790		
5	Telecommunications Network Planning and Operations Management in an Academic Environment. <i>Advances in E-Business Research Series</i> , <b>2009</b> , 615-633	0.4	
4	Application of Multi-Objective Evolutionary Algorithms to Antenna and Microwave Design Problems <b>2012</b> , 75-101		
3	Application of Biogeography-Based Optimization to Antennas and Wireless Communications. <i>Advances in Information Quality and Management</i> , <b>2021</b> , 950-966	0.1	
2	Application of the Whale Optimization Algorithm to Antenna Design for mm-Wave 5G Communications Systems. <i>Signals and Communication Technology</i> , <b>2021</b> , 251-267	0.5	
1	Application of Semantic Web Technology in E-Business983-994		