

Aline Eid

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4044931/publications.pdf>

Version: 2024-02-01

32
papers

464
citations

840776

11
h-index

888059

17
g-index

33
all docs

33
docs citations

33
times ranked

363
citing authors

#	ARTICLE	IF	CITATIONS
1	Noninvasive, wearable, and tunable electromagnetic multisensing system for continuous glucose monitoring, mimicking vasculature anatomy. <i>Science Advances</i> , 2020, 6, eaba5320.	10.3	77
2	5G as a wireless power grid. <i>Scientific Reports</i> , 2021, 11, 636.	3.3	52
3	A Scalable High-Gain and Large-Beamwidth mm-wave Harvesting Approach for 5G-powered IoT. , 2019, , .		43
4	Advances in Wirelessly Powered Backscatter Communications: From Antenna/RF Circuitry Design to Printed Flexible Electronics. <i>Proceedings of the IEEE</i> , 2022, 110, 171-192.	21.3	41
5	A Compact Source-Load Agnostic Flexible Rectenna Topology for IoT Devices. <i>IEEE Transactions on Antennas and Propagation</i> , 2020, 68, 2621-2629.	5.1	38
6	Rotman Lens-Based Wide Angular Coverage and High-Gain Semipassive Architecture for Ultralong Range mm-Wave RFIDs. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2020, 19, 1943-1947.	4.0	31
7	Inkjet-/3D-/4D-Printed Perpetual Electronics and Modules: RF and mm-Wave Devices for 5G+, IoT, Smart Agriculture, and Smart Cities Applications. <i>IEEE Microwave Magazine</i> , 2020, 21, 87-103.	0.8	24
8	Next-Generation Healthcare: Enabling Technologies for Emerging Bioelectromagnetics Applications. <i>IEEE Open Journal of Antennas and Propagation</i> , 2022, 3, 363-390.	3.7	24
9	A Load Independent Tapered RF Harvester. <i>IEEE Microwave and Wireless Components Letters</i> , 2017, 27, 933-935.	3.2	23
10	Nanotechnology-Empowered Flexible Printed Wireless Electronics: A Review of Various Applications of Printed Materials. <i>IEEE Nanotechnology Magazine</i> , 2019, 13, 18-29.	1.3	19
11	A Wideband, Quasi-Isotropic, Kilometer-Range FM Energy Harvester for Perpetual IoT. <i>IEEE Microwave and Wireless Components Letters</i> , 2020, 30, 201-204.	3.2	12
12	Backscatter Communications. <i>IEEE Journal of Microwaves</i> , 2021, 1, 864-878.	6.5	12
13	Holography-Based Target Localization and Health Monitoring Technique Using UHF Tags Array. <i>IEEE Internet of Things Journal</i> , 2021, 8, 14719-14730.	8.7	10
14	Support Vector Machines for Scheduled Harvesting of Wi-Fi Signals. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2019, 18, 2277-2281.	4.0	9
15	Leveraging UAVs for Passive RF Charging and Ultralowpower Wake-Up of Ground Sensors. , 2020, 4, 1-4.		8
16	5.8-GHz Low-Power Tunnel-Diode-Based Two-Way Repeater for Non-Line-of-Sight Interrogation of RFIDs and Wireless Sensor Networks. <i>IEEE Microwave and Wireless Components Letters</i> , 2021, 31, 794-797.	3.2	6
17	Novel Additively Manufactured Packaging Approaches for 5G/mm-Wave Wireless Modules. , 2019, , .		5
18	Digital Reconfiguration of a Single Arm 3-D Bowtie Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , 2021, 69, 4184-4188.	5.1	5

#	ARTICLE	IF	CITATIONS
19	Nanotechnology-Enabled Additively-Manufactured RF and Millimeter-wave Electronics. , 2018, , .		4
20	n-RiM: A Paradigm Shift in the Realization of Fully Inkjet-printed Broadband Tunable FSS using Origami Structures. , 2018, , .		4
21	Recycling Ambient Wi-Fi Signals for Low Energy Wake-Up of Wireless Sensors. , 2020, 4, 1-4.		3
22	5G/mm-Wave Next Generation RFID Systems for Future IoT Applications. , 2021, , .		3
23	A 5.8 GHz Fully-Tunnel-Diodes-Based 20 μ W, 88mV, and 48 dB-Gain Fully-Passive Backscattering RFID Tag. , 2020, , .		2
24	Inkjet-/3D-/4D-Printed "Zero-Power" Flexible Wearable Wireless Modules for Smart Biomonitoring and Pathogen Sensing. , 2021, , .		2
25	Energy Autonomous Two-Way Repeater System for Non-Line-of-Sight Interrogation in Next Generation Wireless Sensor Networks. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 1779-1788.	4.6	2
26	The IMS2021 Microwave Week Virtual 3MT Competition. IEEE Microwave Magazine, 2021, 22, 63-65.	0.8	1
27	Optimizing Rotmen Lens Topologies for 5G Wireless Grids. , 2021, , .		1
28	Extending the Range of 5G Energy Transfer: Towards the Wireless Power Grid. , 2022, , .		1
29	A Winning Backscatter Modulator: A Quarter-Gram, Ultrahigh-Frequency RFID for On-Metal Operation. IEEE Microwave Magazine, 2020, 21, 96-100.	0.8	0
30	Additively Manufactured Inkjet-/3D-/4D-Printed Wireless Sensors Modules. Selected Topics in Electornics and Systems, 2018, , 121-129.	0.2	0
31	A 3D-Printed mm-Wave Deployable Origami Dielectric Reflectarray Antenna. , 2020, , .		0
32	Solving the Gain/Coverage Problem to enable 5G-Powered IoT. , 2021, , .		0