

Aline Eid

List of Publications by Year in descending order

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32
papers

464
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840776

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all docs

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33
times ranked

363
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Advances in Wirelessly Powered Backscatter Communications: From Antenna/RF Circuitry Design to Printed Flexible Electronics. Proceedings of the IEEE, 2022, 110, 171-192. | 21.3 | 41 |
| 2 | 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 |
| 3 | Next-Generation Healthcare: Enabling Technologies for Emerging Bioelectromagnetics Applications. IEEE Open Journal of Antennas and Propagation, 2022, 3, 363-390. | 3.7 | 24 |
| 4 | Extending the Range of 5G Energy Transfer: Towards the Wireless Power Grid. , 2022, , . | | 1 |
| 5 | 5G as a wireless power grid. Scientific Reports, 2021, 11, 636. | 3.3 | 52 |
| 6 | Backscatter Communications. IEEE Journal of Microwaves, 2021, 1, 864-878. | 6.5 | 12 |
| 7 | The IMS2021 Microwave Week Virtual 3MT Competition. IEEE Microwave Magazine, 2021, 22, 63-65. | 0.8 | 1 |
| 8 | 5.8-GHz Low-Power Tunnel-Diode-Based Two-Way Repeater for Non-Line-of-Sight Interrogation of RFIDs and Wireless Sensor Networks. IEEE Microwave and Wireless Components Letters, 2021, 31, 794-797. | 3.2 | 6 |
| 9 | Inkjet-/3D-/4D-Printed "Zero-Power" Flexible Wearable Wireless Modules for Smart Biomonitoring and Pathogen Sensing. , 2021, , . | | 2 |
| 10 | Digital Reconfiguration of a Single Arm 3-D Bowtie Antenna. IEEE Transactions on Antennas and Propagation, 2021, 69, 4184-4188. | 5.1 | 5 |
| 11 | Holography-Based Target Localization and Health Monitoring Technique Using UHF Tags Array. IEEE Internet of Things Journal, 2021, 8, 14719-14730. | 8.7 | 10 |
| 12 | 5G/mm-Wave Next Generation RFID Systems for Future IoT Applications. , 2021, , . | | 3 |
| 13 | Solving the Gain/Coverage Problem to enable 5G-Powered IoT. , 2021, , . | | 0 |
| 14 | Optimizing Rotmen Lens Topologies for 5G Wireless Grids. , 2021, , . | | 1 |
| 15 | A Wideband, Quasi-Isotropic, Kilometer-Range FM Energy Harvester for Perpetual IoT. IEEE Microwave and Wireless Components Letters, 2020, 30, 201-204. | 3.2 | 12 |
| 16 | A Compact Source-Load Agnostic Flexible Rectenna Topology for IoT Devices. IEEE Transactions on Antennas and Propagation, 2020, 68, 2621-2629. | 5.1 | 38 |
| 17 | Recycling Ambient Wi-Fi Signals for Low Energy Wake-Up of Wireless Sensors. , 2020, 4, 1-4. | | 3 |
| 18 | A 5.8 GHz Fully-Tunnel-Diodes-Based 20 μ W, 88mV, and 48 dB-Gain Fully-Passive Backscattering RFID Tag. , 2020, , . | | 2 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Noninvasive, wearable, and tunable electromagnetic multisensing system for continuous glucose monitoring, mimicking vasculature anatomy. <i>Science Advances</i> , 2020, 6, eaba5320. | 10.3 | 77 |
| 20 | A Winning Backscatter Modulator: A Quarter-Gram, Ultrahigh-Frequency RFID for On-Metal Operation. <i>IEEE Microwave Magazine</i> , 2020, 21, 96-100. | 0.8 | 0 |
| 21 | Leveraging UAVs for Passive RF Charging and Ultralowpower Wake-Up of Ground Sensors. , 2020, 4, 1-4. | | 8 |
| 22 | 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 |
| 23 | 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 |
| 24 | A 3D-Printed mm-Wave Deployable Origami Dielectric Reflectarray Antenna. , 2020, , . | | 0 |
| 25 | A Scalable High-Gain and Large-Beamwidth mm-wave Harvesting Approach for 5G-powered IoT. , 2019, , . | | 43 |
| 26 | Novel Additively Manufactured Packaging Approaches for 5G/mm-Wave Wireless Modules. , 2019, , . | | 5 |
| 27 | 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 |
| 28 | 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 |
| 29 | Nanotechnology-Enabled Additively-Manufactured RF and Millimeter-wave Electronics. , 2018, , . | | 4 |
| 30 | n-RiM: A Paradigm Shift in the Realization of Fully Inkjet-printed Broadband Tunable FSS using Origami Structures. , 2018, , . | | 4 |
| 31 | Additively Manufactured Inkjet-/3D-/4D-Printed Wireless Sensors Modules. <i>Selected Topics in Electronics and Systems</i> , 2018, , 121-129. | 0.2 | 0 |
| 32 | A Load Independent Tapered RF Harvester. <i>IEEE Microwave and Wireless Components Letters</i> , 2017, 27, 933-935. | 3.2 | 23 |