

Emmanouil M Tentzeris

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7408702/publications.pdf>

Version: 2024-02-01

383
papers

10,125
citations

38742

50
h-index

53230

85
g-index

392
all docs

392
docs citations

392
times ranked

7028
citing authors

#	ARTICLE	IF	CITATIONS
1	RFID Tag and RF Structures on a Paper Substrate Using Inkjet-Printing Technology. IEEE Transactions on Microwave Theory and Techniques, 2007, 55, 2894-2901.	4.6	558
2	Ambient RF Energy-Harvesting Technologies for Self-Sustainable Standalone Wireless Sensor Platforms. Proceedings of the IEEE, 2014, 102, 1649-1666.	21.3	547
3	A Compact Dual-Band Rectenna Using Slot-Loaded Dual Band Folded Dipole Antenna. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 1634-1637.	4.0	197
4	A Novel Ultra-Lightweight Multiband Rectenna on Paper for RF Energy Harvesting in the Next Generation LTE Bands. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 366-379.	4.6	181
5	A Novel Single-Feed Circular Microstrip Antenna With Reconfigurable Polarization Capability. IEEE Transactions on Antennas and Propagation, 2008, 56, 630-638.	5.1	177
6	Equivalent-Circuit Analysis of a Broadband Printed Dipole With Adjusted Integrated Balun and an Array for Base Station Applications. IEEE Transactions on Antennas and Propagation, 2009, 57, 2180-2184.	5.1	174
7	E-WEHP: A Batteryless Embedded Sensor-Platform Wirelessly Powered From Ambient Digital-TV Signals. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 2491-2505.	4.6	171
8	A Novel Dual-Band, Dual-Polarized, Miniaturized and Low-Profile Base Station Antenna. IEEE Transactions on Antennas and Propagation, 2015, 63, 5399-5408.	5.1	170
9	UWB Elliptical Monopoles With a Reconfigurable Band Notch Using MEMS Switches Actuated Without Bias Lines. IEEE Transactions on Antennas and Propagation, 2009, 57, 2242-2251.	5.1	157
10	A Printed Log-Periodic Koch-Dipole Array (LPKDA). IEEE Antennas and Wireless Propagation Letters, 2008, 7, 456-460.	4.0	145
11	A Novel Solar and Electromagnetic Energy Harvesting System With a 3-D Printed Package for Energy Efficient Internet-of-Things Wireless Sensors. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 1831-1842.	4.6	140
12	3D-Printed Origami Packaging With Inkjet-Printed Antennas for RF Harvesting Sensors. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 4521-4532.	4.6	131
13	A New High-Gain Microstrip Yagi Array Antenna With a High Front-to-Back (F/B) Ratio for WLAN and Millimeter-Wave Applications. IEEE Transactions on Antennas and Propagation, 2007, 55, 298-304.	5.1	122
14	Fully inkjet-printed microfluidics: a solution to low-cost rapid three-dimensional microfluidics fabrication with numerous electrical and sensing applications. Scientific Reports, 2016, 6, 35111.	3.3	119
15	Infill-Dependent 3-D-Printed Material Based on NinjaFlex Filament for Antenna Applications. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 1506-1509.	4.0	115
16	Paper-Based RFID-Enabled Wireless Platforms for Sensing Applications. IEEE Transactions on Microwave Theory and Techniques, 2009, 57, 1370-1382.	4.6	112
17	Carbon-Nanotube Loaded Antenna-Based Ammonia Gas Sensor. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 2665-2673.	4.6	110
18	An Origami Reconfigurable Axial-Mode Bifilar Helical Antenna. IEEE Transactions on Antennas and Propagation, 2015, 63, 5897-5903.	5.1	109

#	ARTICLE	IF	CITATIONS
19	Rational Design of a Printable, Highly Conductive Silicone-based Electrically Conductive Adhesive for Stretchable Radio-Frequency Antennas. <i>Advanced Functional Materials</i> , 2015, 25, 464-470.	14.9	109
20	Multi-Layer RF Capacitors on Flexible Substrates Utilizing Inkjet Printed Dielectric Polymers. <i>IEEE Microwave and Wireless Components Letters</i> , 2013, 23, 353-355.	3.2	108
21	Design and Development of a Novel 3-D Cubic Antenna for Wireless Sensor Networks (WSNs) and RFID Applications. <i>IEEE Transactions on Antennas and Propagation</i> , 2009, 57, 3293-3299.	5.1	106
22	Modified Wilkinson Power Dividers for Millimeter-Wave Integrated Circuits. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2007, 55, 2439-2446.	4.6	105
23	Inkjet-printed antennas, sensors and circuits on paper substrate. <i>IET Microwaves, Antennas and Propagation</i> , 2013, 7, 858-868.	1.4	100
24	Ambient RF Energy Harvesting Sensor Device With Capacitor-Leakage-Aware Duty Cycle Control. <i>IEEE Sensors Journal</i> , 2013, 13, 2973-2983.	4.7	97
25	A uW Backscatter-Morse-Leaf Sensor for Low-Power Agricultural Wireless Sensor Networks. <i>IEEE Sensors Journal</i> , 2018, 18, 7889-7898.	4.7	96
26	RF MEMS Sequentially Reconfigurable Sierpinski Antenna on a Flexible Organic Substrate With Novel DC-Biasing Technique. <i>Journal of Microelectromechanical Systems</i> , 2007, 16, 1185-1192.	2.5	93
27	Passive wireless smart-skin sensor using RFID-based folded patch antennas. <i>International Journal of Smart and Nano Materials</i> , 2011, 2, 22-38.	4.2	87
28	Switchable Quad-Band Antennas for Cognitive Radio Base Station Applications. <i>IEEE Transactions on Antennas and Propagation</i> , 2010, 58, 1468-1476.	5.1	85
29	Inkjet-Printed Flexible mm-Wave Van-Atta Reflectarrays: A Solution for Ultralong-Range Dense Multitag and Multisensing Chipless RFID Implementations for IoT Smart Skins. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2016, 64, 4763-4773.	4.6	84
30	An Inkjet-Printed Microfluidic RFID-Enabled Platform for Wireless Lab-on-Chip Applications. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2013, 61, 4714-4723.	4.6	82
31	RFID-Based Sensors for Zero-Power Autonomous Wireless Sensor Networks. <i>IEEE Sensors Journal</i> , 2014, 14, 2419-2431.	4.7	80
32	Inkjet Printing of Multilayer Millimeter-Wave Yagi-Uda Antennas on Flexible Substrates. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2016, 15, 143-146.	4.0	80
33	A Shared-Aperture Dual-Band Planar Array With Self-Similar Printed Folded Dipoles. <i>IEEE Transactions on Antennas and Propagation</i> , 2013, 61, 606-613.	5.1	77
34	Fully Integrated Passive Front-End Solutions for a V-band LTCC Wireless System. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2007, 6, 285-288.	4.0	76
35	A Novel Multiband Planar Antenna for GSM/UMTS/LTE/Zigbee/RFID Mobile Devices. <i>IEEE Transactions on Antennas and Propagation</i> , 2011, 59, 4209-4214.	5.1	76
36	Octave and Decade Printed UWB Rectifiers Based on Nonuniform Transmission Lines for Energy Harvesting. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2017, 65, 4326-4334.	4.6	76

#	ARTICLE	IF	CITATIONS
37	Multilayer Inkjet Printing of Millimeter-Wave Proximity-Fed Patch Arrays on Flexible Substrates. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 1351-1354.	4.0	75
38	Passive Wireless Frequency Doubling Antenna Sensor for Strain and Crack Sensing. IEEE Sensors Journal, 2016, 16, 5725-5733.	4.7	75
39	No Battery Required: Perpetual RFID-Enabled Wireless Sensors for Cognitive Intelligence Applications. IEEE Microwave Magazine, 2013, 14, 66-77.	0.8	74
40	Solar/Electromagnetic Energy Harvesting and Wireless Power Transmission. Proceedings of the IEEE, 2014, 102, 1712-1722.	21.3	74
41	Continuous-range tunable multilayer frequency-selective surfaces using origami and inkjet printing. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 13210-13215.	7.1	73
42	Ambient RF Energy Harvesting From a Two-Way Talk Radio for Flexible Wearable Wireless Sensor Devices Utilizing Inkjet Printing Technologies. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 4533-4543.	4.6	69
43	Ambient Backscatterers Using FM Broadcasting for Low Cost and Low Power Wireless Applications. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 5251-5262.	4.6	61
44	A Planar Windmill-Like Broadband Antenna Equipped With Artificial Magnetic Conductor for Off-Body Communications. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 64-67.	4.0	60
45	Conformal Magnetic Composite RFID for Wearable RF and Bio-Monitoring Applications. IEEE Transactions on Microwave Theory and Techniques, 2008, 56, 3223-3230.	4.6	59
46	Development of a Cavity-Backed Broadband Circularly Polarized Slot/Strip Loop Antenna With a Simple Feeding Structure. IEEE Transactions on Antennas and Propagation, 2008, 56, 312-318.	5.1	57
47	A Novel Low-Profile Broadband Dual-Frequency Planar Antenna for Wireless Handsets. IEEE Transactions on Antennas and Propagation, 2008, 56, 1155-1162.	5.1	57
48	Multilayer Effects on Microstrip Antennas for Their Integration With Mechanical Structures. IEEE Transactions on Antennas and Propagation, 2007, 55, 1051-1058.	5.1	56
49	5G as a wireless power grid. Scientific Reports, 2021, 11, 636.	3.3	52
50	Inkjet catalyst printing and electroless copper deposition for low-cost patterned microwave passive devices on paper. Electronic Materials Letters, 2013, 9, 669-676.	2.2	51
51	Additively Manufactured RF Components and Modules: Toward Empowering the Birth of Cost-Efficient Dense and Ubiquitous IoT Implementations. Proceedings of the IEEE, 2017, 105, 702-722.	21.3	51
52	A Real-Time Electrically Controlled Active Matching Circuit Utilizing Genetic Algorithms for Wireless Power Transfer to Biomedical Implants. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 365-374.	4.6	50
53	A New Contactless Assembly Method for Paper Substrate Antennas and UHF RFID Chips. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 627-637.	4.6	49
54	Low-Cost Inkjet-Printed Fully Passive RFID Tags for Calibration-Free Capacitive/Haptic Sensor Applications. IEEE Sensors Journal, 2015, 15, 3135-3145.	4.7	49

#	ARTICLE	IF	CITATIONS
55	First Demonstration of Compact, Ultra-Thin Low-Pass and Bandpass Filters for 5G Small-Cell Applications. IEEE Microwave and Wireless Components Letters, 2018, 28, 1110-1112.	3.2	49
56	RF Fingerprinting Physical Objects for Anticounterfeiting Applications. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 504-514.	4.6	48
57	A battery-less, energy harvesting device for long range scavenging of wireless power from terrestrial TV broadcasts. , 2012, , .		48
58	Sensitivity Modeling of an RFID-Based Strain-Sensing Antenna With Dielectric Constant Change. IEEE Sensors Journal, 2015, 15, 6147-6155.	4.7	48
59	Inkjet-printed 3D interconnects for millimeter-wave system-on-package solutions. , 2016, , .		48
60	Fabrication of Fully Inkjet-Printed Vias and SIW Structures on Thick Polymer Substrates. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2016, 6, 486-496.	2.5	46
61	A Scalable High-Gain and Large-Beamwidth mm-wave Harvesting Approach for 5G-powered IoT. , 2019, , .		43
62	Optimal Design Parameters for Wireless Power Transfer by Resonance Magnetic. IEEE Antennas and Wireless Propagation Letters, 2012, 11, 1390-1393.	4.0	42
63	Design and Development of Advanced Cavity-Based Dual-Mode Filters Using Low-Temperature Co-Fired Ceramic Technology for \$V\$-Band Gigabit Wireless Systems. IEEE Transactions on Microwave Theory and Techniques, 2007, 55, 1869-1879.	4.6	41
64	An Inkjet-Printed Solar-Powered Wireless Beacon on Paper for Identification and Wireless Power Transmission Applications. IEEE Transactions on Microwave Theory and Techniques, 2012, 60, 4178-4186.	4.6	41
65	A Mm-wave ultra-long-range energy-autonomous printed RFID-enabled van-atta wireless sensor: At the crossroads of 5G and IoT. , 2017, , .		41
66	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
67	Enhancement of RF Tag Backscatter Efficiency With Low-Power Reflection Amplifiers. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 3562-3571.	4.6	38
68	CSRR Based Sensors for Relative Permittivity Measurement With Improved and Uniform Sensitivity Throughout [0.9â€“10.9] GHz Band. IEEE Sensors Journal, 2020, 20, 4667-4678.	4.7	38
69	A Compact Sourceâ€“Load Agnostic Flexible Rectenna Topology for IoT Devices. IEEE Transactions on Antennas and Propagation, 2020, 68, 2621-2629.	5.1	38
70	Pulse Shaping: The Missing Piece of Backscatter Radio and RFID. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 4774-4788.	4.6	37
71	Millimeter-wave backscatter: A quantum leap for gigabit communication, RF sensing, and wearables. , 2017, , .		37
72	Exploring 3-D Printing for New Applications: Novel Inkjet- and 3-D-Printed Millimeter-Wave Components, Interconnects, and Systems. IEEE Microwave Magazine, 2018, 19, 57-66.	0.8	37

#	ARTICLE	IF	CITATIONS
73	First Demonstration of 28 GHz and 39 GHz Transmission Lines and Antennas on Glass Substrates for 5G Modules. , 2017, , .		36
74	A printed millimetre-wave modulator and antenna array for backscatter communications at gigabit data rates. Nature Electronics, 2021, 4, 439-446.	26.0	36
75	Optically controlled reconfigurable bandâ€notched UWB antenna for cognitive radio systems. Electronics Letters, 2014, 50, 1502-1504.	1.0	35
76	Novel 3D printed liquid-metal-alloy microfluidics-based zigzag and helical antennas for origami reconfigurable antenna â€œtreesâ€*, 2017, , .		35
77	Bandwidth and gain improvement of a circularly polarized dual-rhombic loop antenna. IEEE Antennas and Wireless Propagation Letters, 2006, 5, 84-87.	4.0	34
78	Low-Cost Circularly Polarized Origami Antenna. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 2026-2029.	4.0	34
79	A Real-Time Range-Adaptive Impedance Matching Utilizing a Machine Learning Strategy Based on Neural Networks for Wireless Power Transfer Systems. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 5340-5347.	4.6	34
80	Additively Manufactured Microfluidics-Based â€œPeel-and-Replaceâ€•RF Sensors for Wearable Applications. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 1928-1936.	4.6	33
81	High-Performance RF Devices and Components on Flexible Cellulose Substrate by Vertically Integrated Additive Manufacturing Technologies. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 62-71.	4.6	33
82	A Scalable Solar Antenna for Autonomous Integrated Wireless Sensor Nodes. IEEE Antennas and Wireless Propagation Letters, 2011, 10, 510-513.	4.0	32
83	Development of Low Cost, Wireless, Inkjet Printed Microfluidic RF Systems and Devices for Sensing or Tunable Electronics. IEEE Sensors Journal, 2015, 15, 3156-3163.	4.7	32
84	E-band characterization of 3D-printed dielectrics for fully-printed millimeter-wave wireless system packaging. , 2017, , .		32
85	On-Body Long-Range Wireless Backscattering Sensing System Using Inkjet-/3-D-Printed Flexible Ambient RF Energy Harvesters Capable of Simultaneous DC and Harmonics Generation. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 5389-5400.	4.6	32
86	Four-PAM Modulation of Ambient FM Backscattering for Spectrally Efficient Low-Power Applications. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 5909-5921.	4.6	32
87	Broadband and Miniaturized Antenna-in-Package (AiP) Design for 5G Applications. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 1963-1967.	4.0	32
88	A novel reconfigurable origami spring antenna. , 2014, , .		31
89	Rotman Lens-Based Wide Angular Coverage and High-Gain Semipassive Architecture for Ultralong Range mm-Wave RFIDs. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 1943-1947.	4.0	31
90	Design, Development and Integration of Novel Antennas for Miniaturized UHF RFID Tags. IEEE Transactions on Antennas and Propagation, 2009, 57, 3450-3457.	5.1	30

#	ARTICLE	IF	CITATIONS
91	RF characterization of 3D printed flexible materials - NinjaFlex Filaments. , 2015, , .		30
92	Additively Manufactured mm-Wave Multichip Modules With Fully Printed “Smart” Encapsulation Structures. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 2716-2724.	4.6	30
93	Development, characterization, and processing of thin and thick inkjet-printed dielectric films. Organic Electronics, 2016, 29, 135-141.	2.6	29
94	Sensitivity enhancement of flexible gas sensors via conversion of inkjet-printed silver electrodes into porous gold counterparts. Scientific Reports, 2017, 7, 8988.	3.3	29
95	Millimeter-wave ink-jet printed RF energy harvester for next generation flexible electronics. , 2017, , .		29
96	A bio-enabled maximally mild layer-by-layer Kapton surface modification approach for the fabrication of all-inkjet-printed flexible electronic devices. Scientific Reports, 2016, 6, 39909.	3.3	28
97	Long-Range Wireless Interrogation of Passive Humidity Sensors Using Van-Atta Cross-Polarization Effect and Different Beam Scanning Techniques. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 5345-5354.	4.6	28
98	Ambient FM backscattering for smart agricultural monitoring. , 2017, , .		28
99	A Deployable Quasi-Yagi Monopole Antenna Using Three Origami Magic Spiral Cubes. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 147-151.	4.0	28
100	Effect of Permittivity and Permeability of a Flexible Magnetic Composite Material on the Performance and Miniaturization Capability of Planar Antennas for RFID and Wearable Wireless Applications. IEEE Transactions on Components and Packaging Technologies, 2009, 32, 849-858.	1.3	27
101	Longitudinally Misalignment-Insensitive Dual-Band Wireless Power and Data Transfer Systems for a Position Detection of Fast-Moving Vehicles. IEEE Transactions on Antennas and Propagation, 2019, 67, 5614-5622.	5.1	27
102	Flexible circularly polarized antenna with axial ratio bandwidth enhancement for off-body communications. IET Microwaves, Antennas and Propagation, 2021, 15, 754-767.	1.4	27
103	Miniaturized High-Performance Filters for 5G Small-Cell Applications. , 2018, , .		26
104	RFID-Based Wireless Passive Sensors Utilizing Cork Materials. IEEE Sensors Journal, 2015, 15, 7242-7251.	4.7	25
105	3D/inkjet-printed origami antennas for multi-direction RF harvesting. , 2015, , .		24
106	Novel Generic Asymmetric and Symmetric Equivalent Circuits of 90° Coupled Transmission-Line Sections Applicable to Marchand Baluns. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 746-760.	4.6	24
107	Ultrathin Antenna-Integrated Glass-Based Millimeter-Wave Package With Through-Glass Vias. IEEE Transactions on Microwave Theory and Techniques, 2020, , 1-1.	4.6	24
108	Transformation from 2D meta-pixel to 3D meta-pixel using auxetic kirigami for programmable multifunctional electromagnetic response. Extreme Mechanics Letters, 2020, 36, 100670.	4.1	24

#	ARTICLE	IF	CITATIONS
109	Wearable Antennas for Cross-Body Communication and Human Activity Recognition. IEEE Access, 2020, 8, 58575-58584.	4.2	24
110	Inkjet-/3D-/4D-Printed Perpetual Electronics and Modules: RF and mm-Wave Devices for 5G+, IoT, Smart Agriculture, and Smart Cities Applications. IEEE Microwave Magazine, 2020, 21, 87-103.	0.8	24
111	Next-Generation Healthcare: Enabling Technologies for Emerging Bioelectromagnetics Applications. IEEE Open Journal of Antennas and Propagation, 2022, 3, 363-390.	3.7	24
112	A novel tunable origami accordion antenna. , 2014, , .		23
113	A novel, facile, layer-by-layer substrate surface modification for the fabrication of all-inkjet-printed flexible electronic devices on Kapton. Journal of Materials Chemistry C, 2016, 4, 7052-7060.	5.5	23
114	Leading-Edge and Ultra-Thin 3D Glass-Polymer 5G Modules with Seamless Antenna-to-Transceiver Signal Transmissions. , 2018, , .		23
115	Achieving Fully Autonomous System-on-Package Designs: An Embedded-on-Package 5G Energy Harvester within 3D Printed Multilayer Flexible Packaging Structures. , 2019, , .		23
116	Novel coated differentially fed dual-band fractal antenna for implantable medical devices. IET Microwaves, Antennas and Propagation, 2020, 14, 199-208.	1.4	23
117	An RFID-enabled inkjet-printed soil moisture sensor on paper for “smart” agricultural applications. , 2014, , .		22
118	Inkjet Printed High-Q RF Inductors on Paper Substrate With Ferromagnetic Nanomaterial. IEEE Microwave and Wireless Components Letters, 2016, 26, 419-421.	3.2	22
119	A Novel High-Gain Tetrahedron Origami. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 848-851.	4.0	22
120	Design and Characterization of a \$W\$-Band Micromachined Cavity Filter Including a Novel Integrated Transition From CPW Feeding Lines. IEEE Transactions on Microwave Theory and Techniques, 2007, 55, 2902-2910.	4.6	21
121	Design and integration of inkjet-printed paper-based UHF components for RFID and ubiquitous sensing applications. , 2007, , .		20
122	Compact Ultra Wideband (UWB) Elliptical Monopole with Potentially Reconfigurable Band Rejection Characteristic. , 2007, , .		20
123	Preparation of Water-Based Carbon Nanotube Inks and Application in the Inkjet Printing of Carbon Nanotube Gas Sensors. Journal of Electronic Packaging, Transactions of the ASME, 2013, 135, .	1.8	20
124	A Novel Fluid-Reconfigurable Advanced and Delayed Phase Line Using Inkjet-Printed Microfluidic Composite Right/Left-Handed Transmission Line. IEEE Microwave and Wireless Components Letters, 2015, 25, 142-144.	3.2	20
125	State-of-the-Art Inkjet-Printed Metal-Insulator-Metal (MIM) Capacitors on Silicon Substrate. IEEE Microwave and Wireless Components Letters, 2015, 25, 13-15.	3.2	20
126	Inkjet-Printed Electromagnet-Based Touchpad Using Spiral Resonators. Journal of Microelectromechanical Systems, 2016, 25, 947-953.	2.5	20

#	ARTICLE	IF	CITATIONS
127	A Novel Heuristic Passive and Active Matching Circuit Design Method for Wireless Power Transfer to Moving Objects. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 1094-1102.	4.6	20
128	Novel 3D-Printed Reconfigurable Origami Frequency Selective Surfaces With Flexible Inkjet-Printed Conductor Traces. , 2019, , .		20
129	A Rectifier Circuit Insensitive to the Angle of Incidence of Incoming Waves Based on a Wilkinson Power Combiner. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 3210-3218.	4.6	20
130	Button-shaped radio-frequency identification tag combining three-dimensional and inkjet printing technologies. IET Microwaves, Antennas and Propagation, 2016, 10, 737-741.	1.4	19
131	A Depolarizing Chipless RFID Tag with Humidity Sensing Capability. , 2018, , .		19
132	Nanotechnology-Empowered Flexible Printed Wireless Electronics: A Review of Various Applications of Printed Materials. IEEE Nanotechnology Magazine, 2019, 13, 18-29.	1.3	19
133	Machine Learning Approach for Wirelessly Powered RFID-Based Backscattering Sensor System. IEEE Journal of Radio Frequency Identification, 2020, 4, 186-194.	2.3	19
134	Design and Characterization of Novel Paper-based Inkjet-Printed RFID and Microwave Structures for Telecommunication and Sensing Applications. , 2007, , .		18
135	A Low-Loss Substrate-Independent Approach for 60-GHz Transceiver Front-End Integration Using Micromachining Technologies. IEEE Transactions on Microwave Theory and Techniques, 2008, 56, 2779-2788.	4.6	18
136	Automated Identification of Plywood Using Embedded Inkjet-Printed Passive UHF RFID Tags. IEEE Transactions on Automation Science and Engineering, 2013, 10, 796-806.	5.2	18
137	A novel inkjet-printed microfluidic tunable coplanar patch antenna. , 2014, , .		18
138	Novel 3D-/Inkjet-Printed Flexible On-package Antennas, Packaging Structures, and Modules for Broadband 5G Applications. , 2018, , .		18
139	In-Phase T-Junction: Study and Application to Gysel Power Dividers for High Power-Division Ratios Requiring No High-Impedance Transmission-Line Section. IEEE Access, 2019, 7, 18146-18154.	4.2	18
140	A Bidirectional Absorptive Common-Mode Filter Based on Interdigitated Microstrip Coupled Lines for 5G "Green" Communications. IEEE Access, 2020, 8, 20759-20769.	4.2	18
141	Dual-Band Antennas for Frequency-Doubler-Based Wireless Strain Sensing. IEEE Antennas and Wireless Propagation Letters, 2012, 11, 216-219.	4.0	17
142	Wireless strain and crack sensing using a folded patch antenna. , 2012, , .		17
143	Printed Motes for IoT Wireless Networks: State of the Art, Challenges, and Outlooks. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 1819-1830.	4.6	17
144	Design of a novel wireless power system using machine learning techniques for drone applications. , 2017, , .		17

#	ARTICLE	IF	CITATIONS
145	A Novel Wideband Compact Microstrip Coupled-Line Ring Hybrid for Arbitrarily High Power-Division Ratios. IEEE Transactions on Circuits and Systems II: Express Briefs, 2017, 64, 630-634.	3.0	17
146	Low-cost metamaterial absorber using three-dimensional circular truncated cone. Microwave and Optical Technology Letters, 2018, 60, 1622-1630.	1.4	17
147	A Quadruple-Polarization Reconfigurable Feeding Network for UAV RF Sensing Antenna. IEEE Microwave and Wireless Components Letters, 2019, 29, 183-185.	3.2	17
148	Arbitrary Power-Division Branch-Line Hybrids for High-Performance, Wideband, and Selective HarmonicSuppressions From $\frac{2f_0}{\sqrt{2}}$ to $2f_0$. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 978-987.	4.6	17
149	Experimental Analysis of the Water Absorption Effects on RF/mm-Wave Active/Passive Circuits Packaged in Multilayer Organic Substrates. IEEE Transactions on Advanced Packaging, 2007, 30, 551-557.	1.6	16
150	An enhanced-range RFID tag using an ambient energy powered reflection amplifier. , 2014, , .		16
151	Exploiting 3D printed substrate for microfluidic SIW sensor. , 2015, , .		16
152	Nanostructured miniaturized artificial magnetic conductors (AMC) for high-performance antennas in 5G, IoT, and smart skin applications. , 2017, , .		16
153	Inkjet-printed ϵ -tunable spatial filters using on-demand foldable surfaces. , 2017, , .		16
154	Fully Inkjet-Printed Ramp Interconnects for Wireless Ka-Band MMIC Devices and Multi-Chip Module Packaging. , 2018, , .		16
155	Package-Integrated, Wideband Power Dividing Networks and Antenna Arrays for 28-GHz 5G New Radio Bands. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2020, 10, 1515-1523.	2.5	16
156	Ultralow-Loss Substrate-Integrated Waveguides in Glass-Based Substrates for Millimeter-Wave Applications. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2020, 10, 531-533.	2.5	16
157	Comparative Study of Feeding Techniques for Three-Dimensional Cavity Resonators at 60 GHz. IEEE Transactions on Advanced Packaging, 2007, 30, 115-123.	1.6	15
158	The Application of Lumped Element Equivalent Circuits Approach to the Design of Single-Port Microstrip Antennas. IEEE Transactions on Antennas and Propagation, 2007, 55, 2468-2472.	5.1	15
159	Wearable RFID-enabled sensor nodes for biomedical applications. , 2008, , .		15
160	A novel optically controlled reconfigurable antenna for cognitive radio systems. , 2014, , .		15
161	Novel uniquely 3D printed intricate Voronoi and fractal 3D antennas. , 2017, , .		15
162	RFID Based Non-Contact Human Activity Detection Exploiting Cross Polarization. IEEE Access, 2020, 8, 46585-46595.	4.2	15

#	ARTICLE	IF	CITATIONS
163	Inkjet-printed, flexible, high performance, carbon nanomaterial based sensors for ammonia and DMMP gas detection. , 2015, , .		14
164	A novel mode and frequency reconfigurable origami quadrifilar helical antenna. , 2015, , .		14
165	Inkjet printed 24 GHz rectenna on paper for millimeter wave identification and wireless power transfer applications. , 2017, , .		14
166	3-D-Printing-Based Selective-Ink-Deposition Technique Enabling Complex Antenna and RF Structures for 5G Applications up to 6 GHz. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2019, 9, 1434-1447.	2.5	14
167	A Thermally Actuated Fully Inkjet-Printed Origami-Inspired Multilayer Frequency Selective Surface With Continuous-Range Tunability Using Polyester-Based Substrates. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 4944-4954.	4.6	14
168	Miniaturized Millimeter Wave RFID Tag for Spatial Identification and Localization in Internet of Things Applications. , 2019, , .		14
169	Concealable, low-cost paper-printed antennas for WISP-based RFIDs. , 2011, , .		13
170	A battery-less, wireless mote for scavenging wireless power at UHF (470–570 MHz) frequencies. , 2011, , .		13
171	Wireless power transfer to mobile wearable device via resonance magnetic. , 2013, , .		13
172	Parylene coated waterproof washable inkjet-printed dual-band antenna on paper substrate. International Journal of Microwave and Wireless Technologies, 2018, 10, 814-818.	1.9	13
173	Read/Interrogation Enhancement of Chipless RFIDs Using Machine Learning Techniques. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 2272-2276.	4.0	13
174	Compact and Wideband General Coupled-Line Ring Hybrids (GCRHs) for Arbitrary Circumferences and Arbitrary Power-Division Ratios. IEEE Access, 2019, 7, 33414-33423.	4.2	13
175	Triple-Band Single-Layer Rectenna for Outdoor RF Energy Harvesting Applications. Sensors, 2021, 21, 3460.	3.8	13
176	Design, integration and characterization of a novel paper-based wireless sensor module. , 2008, , .		12
177	A novel graphene-based inkjet-printed WISP-enabled wireless gas sensor. , 2012, , .		12
178	A novel reconfigurable origami accordion antenna. , 2014, , .		12
179	3D printed substrate integrated waveguide filters with locally controlled dielectric permittivity. , 2016, , .		12
180	3D printed reconfigurable helical antenna based on microfluidics and liquid metal alloy. , 2016, , .		12

#	ARTICLE	IF	CITATIONS
181	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
182	Backscatter Communications. IEEE Journal of Microwaves, 2021, 1, 864-878.	6.5	12
183	V-band Integrated Filter and Antenna for LTCC Front-End modules. , 2006, , .		11
184	Novel Manufacturing Processes for Ultra-Low-Cost Paper-Based RFID Tags with Enhanced "Wireless Intelligence". , 2007, , .		11
185	Flexible Substrate Antennas. International Journal of Antennas and Propagation, 2012, 2012, 1-2.	1.2	11
186	Novel 3D-printed "Chinese fan" bow-tie antennas for origami/shape-changing configurations. , 2017, , .		11
187	Foreign Object Detection for Wireless Power Transfer Based on Machine Learning. , 2020, , .		11
188	Integrated Wideband 2-D and 3-D Transitions for Millimeter-Wave RF Front-Ends. IEEE Antennas and Wireless Propagation Letters, 2010, 9, 1080-1083.	4.0	10
189	Flexible spiral antenna with microstrip tapered infinite balun for wearable applications. , 2012, , .		10
190	Inkjet-printed RFID-enabled sensors on paper for IoT and "Smart Skin" applications. , 2013, , .		10
191	Reconfigurable helical antenna based on an origami structure for wireless communication system. , 2014, , .		10
192	RF tag front-end design for uncompromised communication and harvesting. , 2014, , .		10
193	3D Printed One-shot Deployable Flexible "Kirigami" Dielectric Reflectarray Antenna for mm-Wave Applications. , 2020, , .		10
194	A Novel Compact Isolation Circuit Suitable for Ultracompact and Wideband Marchand Baluns. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 2299-2303.	3.0	10
195	Compact 3-D-Printed 4 × 4 Butler Matrix Based on Low-Cost and Curing-Free Additive Manufacturing. IEEE Microwave and Wireless Components Letters, 2021, 31, 125-128.	3.2	10
196	Holography-Based Target Localization and Health Monitoring Technique Using UHF Tags Array. IEEE Internet of Things Journal, 2021, 8, 14719-14730.	8.7	10
197	Inkjet printed ultra wideband spiral antenna using integrated balun on liquid crystal polymer (LCP). , 2012, , .		9
198	Towards a Smart Wireless Integrated Module (SWIM) on flexible organic substrates using inkjet printing technology for wireless sensor networks. , 2012, , .		9

#	ARTICLE	IF	CITATIONS
199	Development of a directional dual-band planar antenna for wireless applications. IET Microwaves, Antennas and Propagation, 2013, 7, 245-250.	1.4	9
200	A novel dual-band retro-directive reflector array on paper utilizing Substrate Integrated Waveguide (SIW) and inkjet printing technologies for chipless RFID tag and sensor applications. , 2013, , .		9
201	Fully inkjet-printed multilayer microstrip patch antenna for Ku-band applications. , 2014, , .		9
202	A novel chipless RFID-based stretchable and wearable hand gesture sensor. , 2015, , .		9
203	Inkjet-printed substrate integrated waveguides (SIW) with "drill-less" vias on paper substrates. , 2016, , .		9
204	The Principles of "Smart" Encapsulation: Using Additive Printing Technology for the Realization of Intelligent Application-Specific Packages for IoT, 5G, and Automotive Radar Applications. , 2018, , .		9
205	Range-adaptive Impedance Matching of Wireless Power Transfer System Using a Machine Learning Strategy Based on Neural Networks. , 2019, , .		9
206	Complex Impedance Transformers Based on Allowed and Forbidden Regions. IEEE Access, 2019, 7, 39288-39298.	4.2	9
207	Gain-Enhanced Metamaterial Absorber-Loaded Monopole Antenna for Reduced Radar Cross-Section and Back Radiation. Materials, 2020, 13, 1247.	2.9	9
208	Measured Propagation Characteristics of Finite Ground Coplanar Waveguide on Silicon with a Thick Polyimide Interface Layer. , 2002, , .		8
209	Design and development of novel miniaturized UHF RFID tags on ultra-low-cost paper-based substrates. , 2006, , .		8
210	Monolithic Low Cost Ka-Band Wilkinson Power Dividers on Flexible Organic Substrates. , 2007, , .		8
211	A novel inkjet-printed passive microfluidic RFID-based sensing platform. , 2013, , .		8
212	Long range wireless interrogation of passive humidity sensors using Van-Atta cross-polarization effect and 3D beam scanning analysis. , 2017, , .		8
213	Planar quasi-isotropic antenna for drone communication. Microwave and Optical Technology Letters, 2018, 60, 1290-1295.	1.4	8
214	Spectrally Efficient 4-PAM Ambient FM Backscattering for Wireless Sensing and RFID Applications. , 2018, , .		8
215	3D Glass Package-Integrated, High-Performance Power Dividing Networks for 5G Broadband Antennas. , 2019, , .		8
216	Filtering rat-race couplers with impedance transforming characteristics based on terminated coupled line structures. IET Microwaves, Antennas and Propagation, 2020, 14, 734-742.	1.4	8

#	ARTICLE	IF	CITATIONS
217	Dual-Band Balanced Bandpass Filter Using Slotlines Loaded Patch Resonators With Independently Controllable Bandwidths. IEEE Microwave and Wireless Components Letters, 2020, 30, 653-656.	3.2	8
218	Duco. , 2021, 5, 1-25.		8
219	Energy-Efficient Harmonic Transponder Based on On-Off Keying Modulation for Both Identification and Sensing. Sensors, 2022, 22, 620.	3.8	8
220	Design and development of the first entirely paper-based wireless sensor module. , 2008, , .		7
221	Wireless remote localization system utilizing ambient RF/solar power scavenging RFID tags. , 2010, , .		7
222	Review of technologies for low-cost integrated sensors. , 2011, , .		7
223	Wearable biomonitoring monopole antennas using inkjet printed electromagnetic band gap structures. , 2012, , .		7
224	Graphene enhanced wireless sensors. , 2012, , .		7
225	A conformable dual-band antenna equipped with AMC for WBAN applications. , 2014, , .		7
226	Origami Quadrifilar Helix Antenna in UHF band. , 2014, , .		7
227	Inkjet printing of a wideband, high gain mm-Wave Vivaldi antenna on a flexible organic substrate. , 2014, , .		7
228	Design optimization of an energy harvesting RF-DC conversion circuit operating at 2.45GHz. , 2015, , .		7
229	Pulse shaping for backscatter radio. , 2016, , .		7
230	Frequency-Tunable Electromagnetic Absorber by Mechanically Controlling Substrate Thickness. International Journal of Antennas and Propagation, 2018, 2018, 1-7.	1.2	7
231	Low Cost Ambient Backscatter for Agricultural Applications. , 2019, , .		7
232	Bi-Directional Loop Antenna Array Using Magic Cube Origami. Sensors, 2019, 19, 3911.	3.8	7
233	The Future of Backscatter in Precision Agriculture. , 2019, , .		7
234	In-Package Additively Manufactured Sensors for Bend Prediction and Calibration of Flexible Phased Arrays and Flexible Hybrid Electronics. , 2021, , .		7

#	ARTICLE	IF	CITATIONS
235	Tile-based massively scalable MIMO and phased arrays for 5G/B5G-enabled smart skins and reconfigurable intelligent surfaces. Scientific Reports, 2022, 12, 2741.	3.3	7
236	Flexible LCP and Paper-based Substrates with Embedded Actives, Passives, and RFIDs. , 2007, , .		6
237	Inkjet Printing of Radio Frequency Electronics: Design Methodologies and Application of Novel Nanotechnologies. Journal of Electronic Packaging, Transactions of the ASME, 2013, 135, .	1.8	6
238	Novel inkjet printed modules for sensing, radar and energy harvesting applications. , 2014, , .		6
239	Ambient energy harvesting from a two-way talk radio for flexible wearable devices utilizing inkjet printing masking. , 2015, , .		6
240	A real-time electrically controlled active matching circuit utilizing genetic algorithms for biomedical WPT applications. , 2015, , .		6
241	Heuristic passive and active matching circuit design method for wireless power transfer for moving objects. , 2016, , .		6
242	A Fully 3D Printed Multi-Chip Module with an On-Package Enhanced Dielectric Lens for mm-Wave Applications Using Multimaterial Stereo-lithography. , 2018, , .		6
243	Radar & additive manufacturing technologies: The future of Internet of Things (IoT). , 2018, , .		6
244	Wideband and Compact Impedance-Transforming 90° DC Blocks With Symmetric Coupled Transmission-Line Sections. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2019, 9, 80-87.	2.5	6
245	3D-Printed Omnidirectional Luneburg Lens Retroreflectors for Low-Cost mm-Wave Positioning. , 2020, , .		6
246	When a Single Chip becomes the RFID Reader: An Ultra-low-cost 60 GHz Reader and mmID System for Ultra-accurate 2D Microlocalization. , 2021, , .		6
247	A novel 4-DOF wide-range tunable frequency selective surface using an origami “eggbox” structure. International Journal of Microwave and Wireless Technologies, 2021, 13, 727-733.	1.9	6
248	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
249	Fully Inkjet Printed 60GHz Backscatter 5G RFID Modules for Sensing and Localization in Internet of Things (IoT) and Digital Twins Applications. , 2021, , .		6
250	Digital Spectrum Twinning and the Role of RFID and Backscatter Communications in Spectral Sensing. , 2021, , .		6
251	Antenna Advancement Techniques and Integration of RFID Electronics on Organic Substrates for UHF RFID Applications in Automotive Sensing and Vehicle Security. Vehicular Technology Conference-Fall (VTC-FALL), Proceedings, IEEE, 2007, , .	0.0	5
252	Integration of a 4×8 antenna array with a reconfigurable 2-bit phase shifter using RF MEMS switches on multilayer organic substrates. , 2007, , .		5

#	ARTICLE	IF	CITATIONS
253	2.4 GHz inkjet-printed RF energy harvester on bulk cardboard substrate. , 2015, , .		5
254	Additive manufacturing of substrate integrated waveguide components. , 2016, , .		5
255	Inkjet-printed 3D Hilbert-curve fractal antennas for VHF band. Microwave and Optical Technology Letters, 2017, 59, 1698-1704.	1.4	5
256	A fully autonomous ultra-low power hybrid RF/photovoltaic energy harvesting system with ~ 25 dBm sensitivity. , 2017, , .		5
257	On-package mm-wave FSS integration with 3D-printed encapsulation. , 2017, , .		5
258	Wearable inkjet printed energy harvester. , 2017, , .		5
259	A novel additive-manufactured multiple-infill ultra-lightweight cavity-backed slot antenna for UWB applications. , 2017, , .		5
260	A Novel Integration of Stereolithography and Inkjet Printing for Multichip Modules with High Frequency Packaging Applications. , 2018, , .		5
261	Stretchable, Printable and Electrically Conductive Composites for Wearable RF Antennas. , 2018, , .		5
262	Ultra-Compact and Wideband V(U)HF 3-dB Power Dividers Consisting of Novel Asymmetric Impedance Transformers. IEEE Access, 2019, 7, 76367-76375.	4.2	5
263	Novel Additively Manufactured Packaging Approaches for 5G/mm-Wave Wireless Modules. , 2019, , .		5
264	Notice of Retraction: Comments on "A Universal Approach for Designing an Unequal Branch-Line Coupler With Arbitrary Phase Differences and Input/Output Impedances". IEEE Transactions on Components, Packaging and Manufacturing Technology, 2019, 9, 1208-1209.	2.5	5
265	77 GHz mmWave antenna array on liquid crystal polymer for automotive radar and RF front-end module. ETRI Journal, 2019, 41, 262-269.	2.0	5
266	RF Systems on Antenna (SoA): a Novel Integration Approach Enabled by Additive Manufacturing. , 2020, , .		5
267	A Wideband, Quasi-Isotropic, Ambient RF Energy Harvester Combining UHF-TV and FM. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 1854-1858.	4.0	5
268	Digital Reconfiguration of a Single Arm 3-D Bowtie Antenna. IEEE Transactions on Antennas and Propagation, 2021, 69, 4184-4188.	5.1	5
269	Uncertainty Quantification of Printed Microwave Interconnects by Use of the Sparse Polynomial Chaos Expansion Method. IEEE Microwave and Wireless Components Letters, 2022, 32, 1-4.	3.2	5
270	Mechanical and Ka-Band Electrical Reliability Testing of Interconnects in 5G Wearable System-on-Package Designs Under Bending. , 2022, , .		5

#	ARTICLE	IF	CITATIONS
271	Design of experiments (DOE) technique for microwave/millimeter wave flip-chip optimization. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2003, 16, 97-103.	1.9	4
272	Finite Ground Coplanar Lines on CMOS Grade Silicon with a Thick Embedded Silicon Oxide Layer Using Micromachining Techniques. , 2003, , .		4
273	Low Cost Inkjet-printing Paper-Based Modules for RFID Sensing and Wireless Applications. , 2008, , .		4
274	A micromachined airflow sensor based on RF evanescent-mode cavity resonator. , 2008, , .		4
275	RFDNA: A wireless authentication system on flexible substrates. , 2011, , .		4
276	Increasing performance of SDR-based collision-free RFID systems. , 2012, , .		4
277	A miniaturized wearable high gain and wideband inkjet-printed AMC antenna. , 2013, , .		4
278	Flexible inkjet-printed metamaterial paper absorber. , 2014, , .		4
279	An inkjet-printed flexible broadband multilayer SIW coupler for antenna array systems. , 2014, , .		4
280	Inkjet-printed reflection amplifier for increased-range Backscatter radio. , 2014, , .		4
281	An integrated "sense-and-communicate" broad-/narrow-band optically controlled reconfigurable antenna for cognitive radio systems. Microwave and Optical Technology Letters, 2015, 57, 1016-1023.	1.4	4
282	A dual-polarized triple-band MIMO antenna for WLAN/WiMAX applications. , 2015, , .		4
283	UHF lumped element model of a fully-inkjet-printed single-wall-carbon-nanotube-based inter-digitated electrodes breath sensor. , 2016, , .		4
284	Nanotechnology-Enabled Additively-Manufactured RF and Millimeter-wave Electronics. , 2018, , .		4
285	Smart Floating Balls: 3D Printed Spherical Antennas and Sensors for Water Quality Monitoring. , 2018, , .		4
286	n-RiM: A Paradigm Shift in the Realization of Fully Inkjet-printed Broadband Tunable FSS using Origami Structures. , 2018, , .		4
287	Expand Horizons of Microfluidic Systems: An Inkjet Printed Flexible Energy Autonomous Micropump System for Wearable and IoT Microfluidic Applications. , 2018, , .		4
288	3D Printed 2.45 GHz Yagi-Uda Loop Antenna Utilizing Microfluidic Channels and Liquid Metal. , 2019, , .		4

#	ARTICLE	IF	CITATIONS
289	Novel Design Framework for Dual-Band Frequency Selective Surfaces Using Multi-Variant Differential Evolution. Mathematics, 2021, 9, 2381.	2.2	4
290	Compact dual-band filtering power divider with independently controllable bandwidths using shorted patch resonators. IET Microwaves, Antennas and Propagation, 2020, 14, 759-767.	1.4	4
291	Flexible and Scalable Additively Manufactured Antenna Array Tiles for Satellite and 5G Applications Using A Novel Rugged Microstrip-to-Microstrip Transition. , 2021, , .		4
292	Additively Manufactured "Smart" RF/mm-Wave Packaging Structures: A Quantum Leap for On-Demand Customizable Integrated 5G and Internet of Things Modules. IEEE Microwave Magazine, 2022, 23, 94-106.	0.8	4
293	A Perfectly Matched Layer Absorber Formulation for Haar Wavelet Based MRTD. , 1999, , .		3
294	Development of Multi-Broadband Planar Wire Antennas for Wireless Applications. Wireless Personal Communications, 2007, 42, 1-11.	2.7	3
295	A novel broadband omni-directional circularly polarized antenna for mobile communications. , 2011, , .		3
296	Ambient-RF-energy-harvesting sensor node with capacitor-leakage-aware duty cycle control. , 2012, , .		3
297	Inkjet-printed planar antenna for a wireless sensor on paper operating at Wi-Fi frequency. , 2012, , .		3
298	A dual-band retrodirective reflector array on paper utilizing Substrate Integrated Waveguide (SIW) and inkjet printing Technologies for Chipless RFID Tag and Sensor Applications. , 2013, , .		3
299	A cavity-backed slot antenna with high upper hemisphere efficiency for sewer sensor network. , 2013, , .		3
300	A self-sustaining, autonomous, wireless-sensor beacon powered from long-range, ambient, RF energy. , 2013, , .		3
301	Ambient energy harvesting from 2-way talk-radio signals for "smart" meter and display applications. , 2014, , .		3
302	Fabrication of microstrip patch antenna using novel hybrid printing technology. Microwave and Optical Technology Letters, 2016, 58, 2602-2606.	1.4	3
303	Software-defined reader for multi-modal RFID sensing. , 2016, , .		3
304	A hybrid heuristic design technique for real-time matching optimization for wearable near-field ambient RF energy harvesters. , 2016, , .		3
305	A novel wideband and circularly polarized cross-dipole antenna. Wireless Communications and Mobile Computing, 2016, 16, 3153-3162.	1.2	3
306	Notice of Retraction: Comments on "On-Chip Miniaturized Diplexer Using Joint Dual-Mode Right-/Left-Handed Synthesized Coplanar Waveguides on GIPD Process" IEEE Microwave and Wireless Components Letters, 2016, 26, 380-382.	3.2	3

#	ARTICLE	IF	CITATIONS
307	Notice of Retraction: Comments on "Novel Sub-Miniaturized Wilkinson Power Divider Based on Small Phase Delay". IEEE Microwave and Wireless Components Letters, 2019, 29, 439-439.	3.2	3
308	Optically Transparent Metamaterial Absorber Using Inkjet Printing Technology. Materials, 2019, 12, 3406.	2.9	3
309	Notice of Retraction: Comments on "A Theorem on Asymmetric Structure Based Rat-Race Coupler". IEEE Microwave and Wireless Components Letters, 2019, 29, 696-698.	3.2	3
310	Fully Inkjet-printed Multi-layer Tunable Origami FSS Structures with Integrated Thermal Actuation Mechanism. , 2019, , .		3
311	3D Glass-Based Panel-Level Package with Antenna and Low-Loss Interconnects for Millimeter-Wave 5G Applications. , 2019, , .		3
312	Coupled Lines for Wearable Power Dividers: Coupled Transmission-Line Sections for Power Dividers in Wearable and Flexible RF Electronics. IEEE Microwave Magazine, 2020, 21, 66-87.	0.8	3
313	Complex Impedance Transformers: Their Use in Designing Various Ultracompact and Wideband Power Dividers. IEEE Microwave Magazine, 2020, 21, 53-64.	0.8	3
314	Balanced-to-unbalanced power dividers for arbitrary power division ratios and for arbitrary real termination impedances. IET Microwaves, Antennas and Propagation, 2019, 13, 904-910.	1.4	3
315	A Machine Learning Approach-based Chipless RFID System for Robust Detection in Real-world Implementations. , 2021, , .		3
316	A 3D Printed Dish Antenna With Integrated Feeding Structure. , 2020, , .		3
317	5G/mm-Wave Next Generation RFID Systems for Future IoT Applications. , 2021, , .		3
318	Wideband mm-wave compensated 90° bends for Grounded Coplanar Waveguide and microstrip Transmission Lines on flexible LCP substrates. , 2009, , .		2
319	Multipacket reception MAC schemes for the RFID EPC Gen2 protocol. , 2012, , .		2
320	Harvesting wireless signals from two-way talk-radios to power smart meters and displays. , 2014, , .		2
321	A novel printed stub-loaded square helical antenna. , 2015, , .		2
322	Bias circuit design for a real-time electrically controlled active matching circuit utilizing p-i-n diode switches for wireless power transfer. , 2016, , .		2
323	Flexible & planar implantable resonant coils for wireless power transfer using Inkjet masking technique. , 2016, , .		2
324	Multi-domain modeling of 3D printed, nanotechnology and morphing/origami-based RF modules. , 2016, , .		2

#	ARTICLE	IF	CITATIONS
325	Substrate-independent system-on-package antenna integration with inkjet printing. , 2016, , .		2
326	A novel ultra-thin flexible metamaterial absorber for human body protection from EMF hazards. , 2017, , .		2
327	A Compact, Low-Profile Dual-Band Patch Filtering Antenna for Off-Body Communications. , 2018, , .		2
328	Chipless RFID Sensor Tag for Angular Velocity and Displacement Measurement. , 2019, , .		2
329	Single-Fed Dual-Band Circularly Polarized Patch Antenna With Wide 3-dB Axial Ratio Beamwidth for CNSS Applications. , 2019, , .		2
330	A Compact Conformal Dipole Antenna With Improved Gain for Wireless Capsule Endoscope Systems. , 2019, , .		2
331	A 5.8 GHz Fully-Tunnel-Diodes-Based 20 μ W, 88mV, and 48 dB-Gain Fully-Passive Backscattering RFID Tag. , 2020, , .		2
332	Inkjet-/3D-/4D-Printed "Zero-Power" Flexible Wearable Wireless Modules for Smart Biomonitoring and Pathogen Sensing. , 2021, , .		2
333	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
334	A Millimeter Wave Tri-Polarized Patch Antenna with a Bandwidth-Enhancing Parasitic Element. , 2021, , .		2
335	Advanced Development in Packaging of Antenna-integrated Systems for Millimeter-wave Applications. , 2021, , .		2
336	The New Era of Long-Range "Zero-Interception" Ambient Backscattering Systems: 130 m with 130 nA Front-End Consumption. Sensors, 2022, 22, 4151.	3.8	2
337	3D packaging architecture using paper as a dielectric medium. , 2008, , .		1
338	Combination of adaptive modulation and power management for the performance enhancement of MIMO-OFDM systems. , 2008, , .		1
339	"Inkjet-printed paper/polymer-based green" RFID and wireless sensor nodes: The final step to bridge cognitive intelligence, nanotechnology and RF? , 2010, , .		1
340	A novel inkjet-printed chipless RFID-based passive fluid sensor platform. , 2013, , .		1
341	Towards an implantable wireless module with a bandwidth-enhanced antenna manufactured using inkjet-printing technology. , 2013, , .		1
342	Conformal device for wireless powering in biomedical application. , 2014, , .		1

#	ARTICLE	IF	CITATIONS
343	Status and challenges of inkjet printed RF and THz structures. , 2015, , .		1
344	Modeling, design and experimentation of a UHF RFID tag antenna embedded in railway tickets. , 2015, , .		1
345	An UHF rectifier with 100% bandwidth based on a ladder LC impedance matching network. , 2017, , .		1
346	Low-Temperature Assembly of Surface-Mount Device on Flexible Substrate Using Additive Printing Process. , 2018, , .		1
347	Guest Editorial Special Issue on Intrinsic Hardware Security for Internet of Things Infrastructure. IEEE Internet of Things Journal, 2019, 6, 321-324.	8.7	1
348	A Novel Passive Chipless RFID Tag for Angle Sensor. , 2019, , .		1
349	Fully Inkjet-printed Tunable Hybrid n-Ripple Miura (n-RiM) Frequency Selective Surfaces. , 2019, , .		1
350	A Novel 3D and Inkjet Printed Pressure-sensing Button-shaped Resonator. , 2019, , .		1
351	High Efficiency RF Energy Harvester for IoT Embedded Sensor Nodes. , 2019, , .		1
352	Additively Manufactured RF Devices for 5G, IoT, RFID, WSN, and Smart City Applications. International Journal of High Speed Electronics and Systems, 2020, 29, 2040016.	0.7	1
353	24GHz RFID for Orientation Detection and Tracking Applications in Human Activity Recognition and Motion Capture. , 2021, , .		1
354	Optimizing Rotman Lens Topologies for 5G Wireless Grids. , 2021, , .		1
355	Extending the Range of 5G Energy Transfer: Towards the Wireless Power Grid. , 2022, , .		1
356	Characterization of a 60GHz Reader and mmID System for High Fidelity Real-time Tracking With On-chip Processing. , 2022, , .		1
357	"Smart" Packaging of Self-Identifying and Localizable mmID for Digital Twinning and Metaverse Temperature Sensing Applications. , 2022, , .		1
358	Analysis and Design of RF Circuits Including Non-linear Elements using the Multiresolution Time Domain Technique (MRTD). , 2000, , .		0
359	Advanced 3D LTCC passive components using cavity structures for 60 GHz gigabit wireless systems. , 2006, , .		0
360	Novel enhanced-thickness magnetic nanoparticle thin-films for system-on-chip (SOC) wireless applications. , 2008, , .		0

#	ARTICLE	IF	CITATIONS
361	Near-perpetual operated solar and RF powered autonomous sensing systems. , 2009, , .		0
362	A multi-band WCDMA SAW-less receivers with frequency selective feedback loop. , 2011, , .		0
363	MIMO Antenna Design and Channel Modeling 2013. International Journal of Antennas and Propagation, 2013, 2013, 1-2.	1.2	0
364	Optimized RF/microwave antennas and circuits on low-cost fibrous substrates using inkjet-printing technology. , 2014, , .		0
365	Effect of feeder cable's phase tolerance on the first sidelobe level of base station antenna. , 2014, , .		0
366	Low-cost flexible RFID tag for on-metal applications. , 2014, , .		0
367	Guest Editorial Special Issue on Radio-Frequency Identification (RFID), Sensing, and Imaging. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 2292-2293.	4.6	0
368	An Inkjet-printed Origami-based Frequency Selective Surface with Wide Frequency and Bandwidth Tunability. , 2018, , .		0
369	Wide frequency switchable microwave resonator by injecting eutectic gallium indium into microfluidic defected ground structure. Microwave and Optical Technology Letters, 2019, 61, 2405-2409.	1.4	0
370	Printed 5G Reconfigurable Wireless Modules Using Additive Manufacturing Techniques. , 2019, , .		0
371	A Frequency Tunable Wideband Circularly Polarized Antenna. , 2019, , .		0
372	Ultrasensitive Planar Metamaterials for Material Characterization Using Tapered CSRR with Application to NDT of 3D Printed Structures. , 2019, , .		0
373	Notice of Retraction: Comments on "Coupling Coefficient Reconfigurable Wideband Branch-Line Coupler Topology With Harmonic Suppression" IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 834-834.	4.6	0
374	A Winning Backscatter Modulator: A Quarter-Gram, Ultrahigh-Frequency RFID for On-Metal Operation. IEEE Microwave Magazine, 2020, 21, 96-100.	0.8	0
375	Notice of Retraction: Comments on "A Modified Gysel Power Divider of Arbitrary Power Ratio and Real Termination Impedances" IEEE Microwave and Wireless Components Letters, 2020, 30, 621-623.	3.2	0
376	Additively Manufactured RF Devices for 5G, IoT, RFID, WSN, and Smart City Applications. Selected Topics in Electornics and Systems, 2021, , 163-174.	0.2	0
377	Application of Wavelets to Electromagnetic Problems. , 0, , .		0
378	Ultra-Low-Cost Passive 3D-Printed Vibration Transducers for Condition Monitoring by means of Wireless Chipless Transponders. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
379	A 3D-Printed mm-Wave Deployable Origami Dielectric Reflectarray Antenna. , 2020, , .		0
380	Solving the Gain/Coverage Problem to enable 5G-Powered IoT. , 2021, , .		0
381	Filtering Pushâ€Pull Power Amplifier Based on Multifunctional Impedance Matching Network. IEEE Microwave and Wireless Components Letters, 2022, 32, 422-425.	3.2	0
382	UHF Tags Array for Holographic Target Localization and Wireless Health Monitoring. , 2021, , .		0
383	Efficient Circular Polarized Metamaterial RF Energy Harvester for Wi-Fi Applications. , 2022, , .		0