

Emmanouil M Tentzeris

List of Publications by Year in descending order

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383
papers

10,125
citations

38660

50
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53109

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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.	2.9	558
2	Ambient RF Energy-Harvesting Technologies for Self-Sustainable Standalone Wireless Sensor Platforms. Proceedings of the IEEE, 2014, 102, 1649-1666.	16.4	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.	2.4	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.	2.9	181
5	A Novel Single-Feed Circular Microstrip Antenna With Reconfigurable Polarization Capability. IEEE Transactions on Antennas and Propagation, 2008, 56, 630-638.	3.1	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.	3.1	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.	2.9	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.	3.1	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.	3.1	157
10	A Printed Log-Periodic Koch-Dipole Array (LPKDA). IEEE Antennas and Wireless Propagation Letters, 2008, 7, 456-460.	2.4	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.	2.9	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.	2.9	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.	3.1	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.	1.6	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.	2.4	115
16	Paper-Based RFID-Enabled Wireless Platforms for Sensing Applications. IEEE Transactions on Microwave Theory and Techniques, 2009, 57, 1370-1382.	2.9	112
17	Carbon-Nanotube Loaded Antenna-Based Ammonia Gas Sensor. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 2665-2673.	2.9	110
18	An Origami Reconfigurable Axial-Mode Bifilar Helical Antenna. IEEE Transactions on Antennas and Propagation, 2015, 63, 5897-5903.	3.1	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.	7.8	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.	2.0	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.	3.1	106
22	Modified Wilkinson Power Dividers for Millimeter-Wave Integrated Circuits. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2007, 55, 2439-2446.	2.9	105
23	Inkjet-printed antennas, sensors and circuits on paper substrate. <i>IET Microwaves, Antennas and Propagation</i> , 2013, 7, 858-868.	0.7	100
24	Ambient RF Energy Harvesting Sensor Device With Capacitor-Leakage-Aware Duty Cycle Control. <i>IEEE Sensors Journal</i> , 2013, 13, 2973-2983.	2.4	97
25	A μ W Backscatter-Morse-Leaf Sensor for Low-Power Agricultural Wireless Sensor Networks. <i>IEEE Sensors Journal</i> , 2018, 18, 7889-7898.	2.4	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.	1.7	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.	2.0	87
28	Switchable Quad-Band Antennas for Cognitive Radio Base Station Applications. <i>IEEE Transactions on Antennas and Propagation</i> , 2010, 58, 1468-1476.	3.1	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.	2.9	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.	2.9	82
31	RFID-Based Sensors for Zero-Power Autonomous Wireless Sensor Networks. <i>IEEE Sensors Journal</i> , 2014, 14, 2419-2431.	2.4	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.	2.4	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.	3.1	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.	2.4	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.	3.1	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.	2.9	76

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37	Multilayer Inkjet Printing of Millimeter-Wave Proximity-Fed Patch Arrays on Flexible Substrates. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 1351-1354.	2.4	75
38	Passive Wireless Frequency Doubling Antenna Sensor for Strain and Crack Sensing. IEEE Sensors Journal, 2016, 16, 5725-5733.	2.4	75
39	No Battery Required: Perpetual RFID-Enabled Wireless Sensors for Cognitive Intelligence Applications. IEEE Microwave Magazine, 2013, 14, 66-77.	0.7	74
40	Solar/Electromagnetic Energy Harvesting and Wireless Power Transmission. Proceedings of the IEEE, 2014, 102, 1712-1722.	16.4	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.	3.3	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.	2.9	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.	2.9	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.	2.4	60
45	Conformal Magnetic Composite RFID for Wearable RF and Bio-Monitoring Applications. IEEE Transactions on Microwave Theory and Techniques, 2008, 56, 3223-3230.	2.9	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.	3.1	57
47	A Novel Low-Profile Broadband Dual-Frequency Planar Antenna for Wireless Handsets. IEEE Transactions on Antennas and Propagation, 2008, 56, 1155-1162.	3.1	57
48	Multilayer Effects on Microstrip Antennas for Their Integration With Mechanical Structures. IEEE Transactions on Antennas and Propagation, 2007, 55, 1051-1058.	3.1	56
49	5G as a wireless power grid. Scientific Reports, 2021, 11, 636.	1.6	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.	1.0	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.	16.4	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.	2.9	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.	2.9	49
54	Low-Cost Inkjet-Printed Fully Passive RFID Tags for Calibration-Free Capacitive/Haptic Sensor Applications. IEEE Sensors Journal, 2015, 15, 3135-3145.	2.4	49

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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.	2.0	49
56	RF Fingerprinting Physical Objects for Anticounterfeiting Applications. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 504-514.	2.9	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.	2.4	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.	1.4	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.	2.4	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.	2.9	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.	2.9	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.	16.4	41
67	Enhancement of RF Tag Backscatter Efficiency With Low-Power Reflection Amplifiers. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 3562-3571.	2.9	38
68	CSRR Based Sensors for Relative Permittivity Measurement With Improved and Uniform Sensitivity Throughout [0.9–10.9] GHz Band. IEEE Sensors Journal, 2020, 20, 4667-4678.	2.4	38
69	A Compact Source-Load Agnostic Flexible Rectenna Topology for IoT Devices. IEEE Transactions on Antennas and Propagation, 2020, 68, 2621-2629.	3.1	38
70	Pulse Shaping: The Missing Piece of Backscatter Radio and RFID. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 4774-4788.	2.9	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.	0.7	37

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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.	13.1	36
75	Optically controlled reconfigurable bandâ€notched UWB antenna for cognitive radio systems. Electronics Letters, 2014, 50, 1502-1504.	0.5	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.	2.4	34
78	Low-Cost Circularly Polarized Origami Antenna. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 2026-2029.	2.4	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.	2.9	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.	2.9	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.	2.9	33
82	A Scalable Solar Antenna for Autonomous Integrated Wireless Sensor Nodes. IEEE Antennas and Wireless Propagation Letters, 2011, 10, 510-513.	2.4	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.	2.4	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.	2.9	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.	2.9	32
87	Broadband and Miniaturized Antenna-in-Package (AiP) Design for 5G Applications. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 1963-1967.	2.4	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.	2.4	31
90	Design, Development and Integration of Novel Antennas for Miniaturized UHF RFID Tags. IEEE Transactions on Antennas and Propagation, 2009, 57, 3450-3457.	3.1	30

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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.	2.9	30
93	Development, characterization, and processing of thin and thick inkjet-printed dielectric films. Organic Electronics, 2016, 29, 135-141.	1.4	29
94	Sensitivity enhancement of flexible gas sensors via conversion of inkjet-printed silver electrodes into porous gold counterparts. Scientific Reports, 2017, 7, 8988.	1.6	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.	1.6	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.	2.9	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.	2.4	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.	1.4	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.	3.1	27
102	Flexible circularly polarized antenna with axial ratio bandwidth enhancement for off-body communications. IET Microwaves, Antennas and Propagation, 2021, 15, 754-767.	0.7	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.	2.4	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.	2.9	24
107	Ultrathin Antenna-Integrated Glass-Based Millimeter-Wave Package With Through-Glass Vias. IEEE Transactions on Microwave Theory and Techniques, 2020, , 1-1.	2.9	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.	2.0	24

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109	Wearable Antennas for Cross-Body Communication and Human Activity Recognition. IEEE Access, 2020, 8, 58575-58584.	2.6	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.	0.7	24
111	Next-Generation Healthcare: Enabling Technologies for Emerging Bioelectromagnetics Applications. IEEE Open Journal of Antennas and Propagation, 2022, 3, 363-390.	2.5	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.	2.7	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.	0.7	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.	2.0	22
119	A Novel High-Gain Tetrahedron Origami. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 848-851.	2.4	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.	2.9	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, .	1.2	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.	2.0	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.	2.0	20
126	Inkjet-Printed Electromagnet-Based Touchpad Using Spiral Resonators. Journal of Microelectromechanical Systems, 2016, 25, 947-953.	1.7	20

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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.	2.9	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.	2.9	20
130	Button-shaped radio-frequency identification tag combining three-dimensional and inkjet printing technologies. IET Microwaves, Antennas and Propagation, 2016, 10, 737-741.	0.7	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.	0.9	19
133	Machine Learning Approach for Wirelessly Powered RFID-Based Backscattering Sensor System. IEEE Journal of Radio Frequency Identification, 2020, 4, 186-194.	1.5	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.	2.9	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.	3.4	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.	2.6	18
140	A Bidirectional Absorptive Common-Mode Filter Based on Interdigitated Microstrip Coupled Lines for 5G "Green" Communications. IEEE Access, 2020, 8, 20759-20769.	2.6	18
141	Dual-Band Antennas for Frequency-Doubler-Based Wireless Strain Sensing. IEEE Antennas and Wireless Propagation Letters, 2012, 11, 216-219.	2.4	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.	2.9	17
144	Design of a novel wireless power system using machine learning techniques for drone applications. , 2017, , .		17

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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.	2.2	17
146	Low-cost metamaterial absorber using three-dimensional circular truncated cone. Microwave and Optical Technology Letters, 2018, 60, 1622-1630.	0.9	17
147	A Quadruple-Polarization Reconfigurable Feeding Network for UAV RF Sensing Antenna. IEEE Microwave and Wireless Components Letters, 2019, 29, 183-185.	2.0	17
148	Arbitrary Power-Division Branch-Line Hybrids for High-Performance, Wideband, and Selective HarmonicSuppressions From $\frac{2f_0}{f_1}$ to $\frac{2f_0}{f_n}$. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 978-987.	2.9	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.	1.7	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.	1.4	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.	1.4	16
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