

Atif Shamim

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1335355/publications.pdf>

Version: 2024-02-01

245
papers

5,085
citations

76196

40
h-index

118652

62
g-index

248
all docs

248
docs citations

248
times ranked

5008
citing authors

#	ARTICLE	IF	CITATIONS
1	The last barrier: on-chip antennas. IEEE Microwave Magazine, 2013, 14, 79-91.	0.7	219
2	Inkjet Printing of Novel Wideband and High Gain Antennas on Low-Cost Paper Substrate. IEEE Transactions on Antennas and Propagation, 2012, 60, 4148-4156.	3.1	170
3	Design, Optimization and Fabrication of a 28.3â€¦THz Nano-Rectenna for Infrared Detection and Rectification. Scientific Reports, 2014, 4, 4270.	1.6	149
4	Metal/Polymer Based Stretchable Antenna for Constant Frequency Farâ€Field Communication in Wearable Electronics. Advanced Functional Materials, 2015, 25, 6565-6575.	7.8	134
5	A Compact Kapton-Based Inkjet-Printed Multiband Antenna for Flexible Wireless Devices. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 1802-1805.	2.4	128
6	Low Cost Inkjet Printed Smart Bandage for Wireless Monitoring of Chronic Wounds. Scientific Reports, 2016, 6, 28949.	1.6	117
7	A Two Concentric Slot Loop Based Connected Array MIMO Antenna System for 4G/5G Terminals. IEEE Transactions on Antennas and Propagation, 2017, 65, 6679-6686.	3.1	116
8	Fully Inkjet-Printed Photodetector Using a Graphene/Perovskite/Graphene Heterostructure. IEEE Transactions on Electron Devices, 2019, 66, 2657-2661.	1.6	116
9	Utilizing Wideband AMC Structures for High-Gain Inkjet-Printed Antennas on Lossy Paper Substrate. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 76-79.	2.4	112
10	3D Crumpled Ultrathin 1T MoS ₂ for Inkjet Printing of Mg-Ion Asymmetric Micro-supercapacitors. ACS Nano, 2020, 14, 7308-7318.	7.3	100
11	Paper Skin Multisensory Platform for Simultaneous Environmental Monitoring. Advanced Materials Technologies, 2016, 1, 1600004.	3.0	93
12	3.56-bits/cm Compact Inkjet Printed and Application Specific Chipless RFID Tag. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 1109-1112.	2.4	92
13	Robust Design of a Particle-Free Silver-Organo-Complex Ink with High Conductivity and Inkjet Stability for Flexible Electronics. ACS Applied Materials & Interfaces, 2016, 8, 177-186.	4.0	92
14	An Integrated Four-Element Slot-Based MIMO and a UWB Sensing Antenna System for CR Platforms. IEEE Transactions on Antennas and Propagation, 2018, 66, 978-983.	3.1	88
15	Paper-Based Inkjet-Printed Tri-Band U-Slot Monopole Antenna for Wireless Applications. IEEE Antennas and Wireless Propagation Letters, 2012, 11, 1234-1237.	2.4	87
16	Theory of Fractional Order Elements Based Impedance Matching Networks. IEEE Microwave and Wireless Components Letters, 2011, 21, 120-122.	2.0	85
17	5.2-GHz RF Power Harvester in 0.18-µm CMOS for Implantable Intraocular Pressure Monitoring. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 2177-2184.	2.9	77
18	Fully Inkjet Printed RF Inductors and Capacitors Using Polymer Dielectric and Silver Conductive Ink With Through Vias. IEEE Transactions on Electron Devices, 2015, 62, 1002-1009.	1.6	72

#	ARTICLE	IF	CITATIONS
19	Fractional Smith Chart Theory. IEEE Microwave and Wireless Components Letters, 2011, 21, 117-119.	2.0	68
20	Screen printing of silver nanowires: balancing conductivity with transparency while maintaining flexibility and stretchability. Npj Flexible Electronics, 2019, 3, .	5.1	67
21	4-Element Concentric Pentagonal Slot-Line-Based Ultra-Wide Tuning Frequency Reconfigurable MIMO Antenna System. IEEE Transactions on Antennas and Propagation, 2018, 66, 4282-4287.	3.1	64
22	A Reconfigurable Inkjet-Printed Antenna on Paper Substrate for Wireless Applications. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 1648-1651.	2.4	63
23	Passive low-cost inkjet-printed smart skin sensor for structural health monitoring. IET Microwaves, Antennas and Propagation, 2012, 6, 1536-1541.	0.7	57
24	3D-Printed Disposable Wireless Sensors with Integrated Microelectronics for Large Area Environmental Monitoring. Advanced Materials Technologies, 2017, 2, 1700051.	3.0	56
25	24 GHz On-Chip Antennas and Balun on Bulk Si for Air Transmission. IEEE Transactions on Antennas and Propagation, 2008, 56, 303-311.	3.1	55
26	Optical rectification through an Al ₂ O ₃ based MIM passive rectenna at 28.3ÅTHz. Materials Today Energy, 2018, 7, 1-9.	2.5	54
27	Disposable, Paper-Based, Inkjet-Printed Humidity and H ₂ S Gas Sensor for Passive Sensing Applications. Sensors, 2016, 16, 2073.	2.1	53
28	Screen-Printed, Flexible, Parasitic Beam-Switching Millimeter-Wave Antenna Array for Wearable Applications. IEEE Open Journal of Antennas and Propagation, 2020, 1, 2-10.	2.5	53
29	On-Chip Implantable Antennas for Wireless Power and Data Transfer in a Glaucoma-Monitoring SoC. IEEE Antennas and Wireless Propagation Letters, 2012, 11, 1671-1674.	2.4	51
30	A wearable tracking device inkjet-printed on textile. Microelectronics Journal, 2017, 65, 40-48.	1.1	50
31	A Dual Band Additively Manufactured 3-D Antenna on Package With Near-Isotropic Radiation Pattern. IEEE Transactions on Antennas and Propagation, 2018, 66, 3295-3305.	3.1	50
32	Paper-based inkjet-printed ultra-wideband fractal antennas. IET Microwaves, Antennas and Propagation, 2012, 6, 1366.	0.7	47
33	An Inkjet-Printed Buoyant 3-D Lagrangian Sensor for Real-Time Flood Monitoring. IEEE Transactions on Antennas and Propagation, 2014, 62, 3354-3359.	3.1	47
34	A Fully Inkjet-Printed 3-D Honeycomb-Inspired Patch Antenna. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 544-547.	2.4	46
35	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
36	Massive MIMO antenna system for 5G base stations with directive ports and switched beamsteering capabilities. IET Microwaves, Antennas and Propagation, 2018, 12, 1709-1718.	0.7	45

#	ARTICLE	IF	CITATIONS
37	Fully Inkjet-Printed VO ₂ -Based Radio-Frequency Switches for Flexible Reconfigurable Components. <i>Advanced Materials Technologies</i> , 2019, 4, 1800276.	3.0	45
38	Gain-Enhanced On-Chip Folded Dipole Antenna Utilizing Artificial Magnetic Conductor at 94 GHz. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017, 16, 2844-2847.	2.4	44
39	3-D Inkjet-Printed Helical Antenna with Integrated Lens. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017, 16, 800-803.	2.4	43
40	Fully printed 3D cube-shaped multiband fractal rectenna for ambient RF energy harvesting. <i>Nano Energy</i> , 2018, 53, 587-595.	8.2	42
41	Wireless Dosimeter: System-on-Chip Versus System-in-Package for Biomedical and Space Applications. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2008, 55, 643-647.	2.2	40
42	New Movable Plate for Efficient Millimeter Wave Vertical on-Chip Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , 2013, 61, 1608-1615.	3.1	40
43	Theory and Design of a Tunable Antenna on a Partially Magnetized Ferrite LTCC Substrate. <i>IEEE Transactions on Antennas and Propagation</i> , 2014, 62, 1238-1245.	3.1	40
44	Micromachined On-Chip Dielectric Resonator Antenna Operating at 60 GHz. <i>IEEE Transactions on Antennas and Propagation</i> , 2015, 63, 3410-3416.	3.1	40
45	A 5.2-GHz BFSK Transceiver Using Injection-Locking and an On-Chip Antenna. <i>IEEE Journal of Solid-State Circuits</i> , 2008, 43, 981-990.	3.5	38
46	An Integrable SIW Phase Shifter in a Partially Magnetized Ferrite LTCC Package. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2015, 63, 2264-2274.	2.9	38
47	A Dual-Polarization-Switched Beam Patch Antenna Array for Millimeter-Wave Applications. <i>IEEE Transactions on Antennas and Propagation</i> , 2019, 67, 3510-3515.	3.1	38
48	Coat-and-print patterning of silver nanowires for flexible and transparent electronics. <i>Npj Flexible Electronics</i> , 2019, 3, .	5.1	38
49	Low Cost and Pipe Conformable Microwave-Based Water-Cut Sensor. <i>IEEE Sensors Journal</i> , 2016, 16, 7636-7645.	2.4	37
50	Ferrite LTCC-Based Antennas for Tunable SoP Applications. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2011, 1, 999-1006.	1.4	35
51	Measurement of the surface susceptibility and the surface conductivity of atomically thin MoS ₂ by spectroscopic ellipsometry. <i>Optics Letters</i> , 2018, 43, 703.	1.7	35
52	A 3-D Miniaturized High Selectivity Bandpass Filter in LTCC Technology. <i>IEEE Microwave and Wireless Components Letters</i> , 2014, 24, 8-10.	2.0	34
53	Fully inkjet-printed microwave passive electronics. <i>Microsystems and Nanoengineering</i> , 2017, 3, 16075.	3.4	34
54	A Partially Magnetized Ferrite LTCC-Based SIW Phase Shifter for Phased Array Applications. <i>IEEE Transactions on Magnetics</i> , 2015, 51, 1-8.	1.2	32

#	ARTICLE	IF	CITATIONS
55	A Ferrite LTCC-Based Monolithic SIW Phased Antenna Array. IEEE Transactions on Antennas and Propagation, 2017, 65, 196-205.	3.1	32
56	Iron Oxide Nanoparticle-Based Magnetic Ink Development for Fully Printed Tunable Radio-Frequency Devices. Advanced Materials Technologies, 2018, 3, 1700242.	3.0	32
57	Highly transparent and conductive electrodes enabled by scalable printing-and-sintering of silver nanowires. Nanotechnology, 2020, 31, 395201.	1.3	32
58	Polarization Insensitive and Transparent Frequency Selective Surface for Dual Band GSM Shielding. IEEE Transactions on Antennas and Propagation, 2021, 69, 2779-2789.	3.1	30
59	Tunable Bandpass Filter Based on Partially Magnetized Ferrite LTCC With Embedded Windings for SoP Applications. IEEE Microwave and Wireless Components Letters, 2015, 25, 16-18.	2.0	28
60	Surface susceptibility and conductivity of MoS_2 and WSe_2 monolayers: A first-principles and ellipsometry characterization. Physical Review B, 2020, 101, .	1.1	28
61	Machine Learning in Electromagnetics: A Review and Some Perspectives for Future Research. , 2019, , .		26
62	24-GHz LTCC Fractal Antenna Array SoP With Integrated Fresnel Lens. IEEE Antennas and Wireless Propagation Letters, 2011, 10, 705-708.	2.4	25
63	A multiband dual-standard MIMO antenna system based on monopoles (4G) and connected slots (5G) for future smart phones. Microwave and Optical Technology Letters, 2018, 60, 1468-1476.	0.9	25
64	Flexible-Screen-Printed Antenna With Enhanced Bandwidth by Employing Defected Ground Structure. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 1803-1807.	2.4	25
65	A 6.3 GHz BFSK Transmitter with On-Chip Antenna for Self-Powered Medical Sensor Applications. , 2007, , .		24
66	Flexible and reconfigurable radio frequency electronics realized by high-throughput screen printing of vanadium dioxide switches. Microsystems and Nanoengineering, 2020, 6, 77.	3.4	23
67	Metal-insulator-metal diodes with sub-nanometre surface roughness for energy-harvesting applications. Microelectronic Engineering, 2017, 181, 34-42.	1.1	22
68	An Additively Manufactured 3-D Antenna-in-Package With Quasi-Isotropic Radiation for Marine Animals Monitoring System. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 2384-2388.	2.4	22
69	Physically Connected Stacked Patch Antenna Design With 100% Bandwidth. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 3208-3211.	2.4	20
70	Ultra Low Power CMOS-Based Sensor for On-Body Radiation Dose Measurements. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2012, 2, 34-41.	2.7	19
71	All inkjet printed 3D microwave capacitors and inductors with vias. , 2013, , .		19
72	A Ferrite LTCC Based Dual Purpose Helical Antenna Providing Bias for Tunability. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 831-834.	2.4	19

#	ARTICLE	IF	CITATIONS
73	Development of a 2.45 GHz Antenna for Flexible Compact Radiation Dosimeter Tags. IEEE Transactions on Antennas and Propagation, 2019, 67, 5063-5072.	3.1	19
74	Theory and Design of Tunable Full-Mode and Half-Mode Ferrite Waveguide Isolators. IEEE Transactions on Magnetics, 2019, 55, 1-8.	1.2	19
75	A W-Band EBG-Backed Double-Rhomboid Bowtie-Slot On-Chip Antenna. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 1046-1050.	2.4	19
76	A Fully Differential Monolithic LNA With On-Chip Antenna for a Short Range Wireless Receiver. IEEE Microwave and Wireless Components Letters, 2009, 19, 674-676.	2.0	18
77	Liquid Crystal Polymer (LCP) based antenna for flexible system on package (SoP) applications. , 2012, , .		18
78	A 5.2GHz, 0.5mW RF powered wireless sensor with dual on-chip antennas for implantable intraocular pressure monitoring. , 2013, , .		18
79	Inkjet-Printed Wideband Antenna on Resin-Coated Paper Substrate for Curved Wireless Devices. IEEE Antennas and Wireless Propagation Letters, 2015, , 1-1.	2.4	18
80	Development of VO ₂ Nanoparticle-Based Metal-Insulator Transition Electronic Ink. Advanced Electronic Materials, 2019, 5, 1800949.	2.6	18
81	Persistent energy harvesting in the harsh desert environment using a thermal resonance device: Design, testing, and analysis. Applied Energy, 2019, 235, 1514-1523.	5.1	18
82	Gain Enhancement of Millimeter-Wave On-Chip Antenna Through an Additively Manufactured Functional Package. IEEE Transactions on Antennas and Propagation, 2020, 68, 4344-4353.	3.1	18
83	A switched-beam millimeter-wave array with MIMO configuration for 5G applications. Microwave and Optical Technology Letters, 2018, 60, 915-920.	0.9	17
84	Tunable, Flexible Composite Magnets for Marine Monitoring Applications. Advanced Engineering Materials, 2018, 20, 1800229.	1.6	17
85	Additively Manufactured Dual-Mode Reconfigurable Filter Employing VO ₂ -Based Switches. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2020, 10, 1738-1744.	1.4	17
86	Antenna-on-Package Design: Achieving Near-Isotropic Radiation Pattern and Wide CP Coverage Simultaneously. IEEE Transactions on Antennas and Propagation, 2021, 69, 3740-3749.	3.1	17
87	On-chip antenna: Practical design and characterization considerations. , 2010, , .		16
88	A novel very wideband integrated antenna system for 4G and 5G mm-wave applications. Microwave and Optical Technology Letters, 2017, 59, 3082-3088.	0.9	16
89	Highly miniaturised semi-loop meandered dual-band MIMO antenna system. IET Microwaves, Antennas and Propagation, 2018, 12, 864-871.	0.7	16
90	All Screen-Printed, Polymer Nanowire Based Foldable Electronics for mm-Wave Applications. Advanced Materials Technologies, 2021, 6, 2100525.	3.0	16

#	ARTICLE	IF	CITATIONS
91	Design and Fabrication of a Frequency and Polarization Reconfigurable Microwave Antenna on a Printed Partially Magnetized Ferrite Substrate. IEEE Transactions on Antennas and Propagation, 2018, 66, 4866-4871.	3.1	15
92	Wide frequency independently controlled dual-band inkjet-printed antenna. IET Microwaves, Antennas and Propagation, 2014, 8, 52-56.	0.7	14
93	Low cost inkjet printed smart bandage for wireless monitoring of chronic wounds. , 2016, , .		14
94	Design and Dynamic Characterization of an Orientation Insensitive Microwave Water-Cut Sensor. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 530-539.	2.9	14
95	Inkjet printed ferrite-filled rectangular waveguide X-band isolator. , 2014, , .		13
96	5G antenna array with wide-angle beam steering and dual linear polarizations. , 2017, , .		13
97	CVD-Grown Monolayer Graphene-Based Geometric Diode for THz Rectennas. Nanomaterials, 2021, 11, 1986.	1.9	13
98	Dynamic characterization of a low cost microwave water-cut sensor in a flow loop. Sensors and Actuators A: Physical, 2017, 260, 146-152.	2.0	12
99	Multi-source ambient energy harvester based on RF and thermal energy: Design, testing, and IoT application. Energy Science and Engineering, 2020, 8, 3883-3897.	1.9	12
100	Inkjet-printed thin film radio-frequency capacitors based on sol-gel derived alumina dielectric ink. Ceramics International, 2017, 43, 9846-9853.	2.3	12
101	Silver Nanowire based Flexible, Transparent, Wideband Antenna for 5G Band Application. , 2019, , .		11
102	Ultra-Thin Artificial Magnetic Conductor for Gain Enhancement of Antenna-on-Chip. IEEE Transactions on Antennas and Propagation, 2022, 70, 4319-4330.	3.1	11
103	Rapid and up-scalable manufacturing of gigahertz nanogap diodes. Nature Communications, 2022, 13, .	5.8	11
104	Compact circular connected monopole antenna arrays for wideband MIMO applications. IET Microwaves, Antennas and Propagation, 2018, 12, 2122-2127.	0.7	10
105	Frequency agile multiple-input-multiple-output antenna design for <sc>5G</sc> dynamic spectrum sharing in cognitive radio networks. Microwave and Optical Technology Letters, 2021, 63, 889-894.	0.9	10
106	A Dual Mode, Thin and Wideband MIMO Antenna System for Seamless Integration on UAV. IEEE Open Journal of Antennas and Propagation, 2021, 2, 991-1000.	2.5	10
107	Dual-Function Triple-Band Heatsink Antenna for Ambient RF and Thermal Energy Harvesting. IEEE Open Journal of Antennas and Propagation, 2022, 3, 263-273.	2.5	10
108	SIW based multilayer transition and power divider in LTCC technology. , 2013, , .		9

#	ARTICLE	IF	CITATIONS
109	Comparison of capacitive and radio frequency resonator sensors for monitoring parallelized droplet microfluidic production. Lab on A Chip, 2016, 16, 3210-3219.	3.1	9
110	A Fully-Printed 3D Antenna With 92% Quasi-Isotropic and 85% CP Coverage. IEEE Transactions on Antennas and Propagation, 2022, 70, 7914-7922.	3.1	9
111	Crude oil water-cut sensing with disposable laser ablated and inkjet printed RF microfluidics. , 2014, , .		8
112	An Electronically Controlled 8-Element <newline/>Switched Beam Planar Array. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 1350-1353.	2.4	8
113	A WiFi tracking device printed directly on textile for wearable electronics applications. , 2016, , .		8
114	3D Printed Antenna-on-Package with Near-isotropic Radiation Pattern for IoT (WiFi Based) Applications. , 2018, , .		8
115	Extended Throat Venturi Based Flow Meter for Optimization of Oil Production Process. IEEE Sensors Journal, 2021, 21, 17808-17816.	2.4	8
116	Potential of carbon nanotube field effect transistors for analogue circuits. Journal of Engineering, 2013, 2013, 70-76.	0.6	7
117	28.3THz bowtie antenna integrated rectifier for infrared energy harvesting. , 2014, , .		7
118	The Effect of Self-Heating on the Performance of a Tunable Filter With Embedded Windings in a Ferrite LTCC Package. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2015, 5, 365-371.	1.4	7
119	Back Radiation Suppression Through a Semitransparent Ground Plane for a Millimeter-Wave Patch Antenna. IEEE Transactions on Antennas and Propagation, 2017, 65, 3935-3941.	3.1	7
120	3D inkjet printed disposable environmental monitoring wireless sensor node. , 2017, , .		7
121	3D inkjet printed flexible and wearable antenna systems. , 2017, , .		7
122	A Zero-Bias, Completely Passive 28 THz Rectenna for Energy Harvesting from Infrared (Waste Heat). , 2018, , .		7
123	Flexible tag design for semi-continuous wireless data acquisition from marine animals. Flexible and Printed Electronics, 2019, 4, 035006.	1.5	7
124	Fully inkjet printed wide band cantor fractal antenna for RF energy harvesting application. , 2017, , .		7
125	Optically Transparent and Flexible Radio Frequency Electronics through Printing Technologies. Advanced Materials Technologies, 2022, 7, .	3.0	7
126	5GHZ LTCC-BASED APERTURE COUPLED WIRELESS TRANSMITTER FOR SYSTEM-ON-PACKAGE APPLICATIONS. Progress in Electromagnetics Research C, 2012, 25, 159-178.	0.6	6

#	ARTICLE	IF	CITATIONS
127	A 3D printed helical antenna with integrated lens. , 2015, , .		6
128	Three-dimensional RF SoP technologies: LTCC versus LCP. Microwave and Optical Technology Letters, 2015, 57, 434-441.	0.9	6
129	A new method for the design of slot antenna arrays: Theory and experiment. , 2016, , .		6
130	3D Printed Near-isotropic Asymmetric Dipole Antenna-on-Package for IoT Applications. , 2018, , .		6
131	Design of a corrugated antipodal Vivaldi antenna with stable pattern. , 2019, , .		6
132	Multi-Channel, Microwave-Based, Compact Printed Sensor for Simultaneous and Independent Level Measurement of Eight Liquids. IEEE Sensors Journal, 2019, 19, 5611-5620.	2.4	6
133	Design of silicon-based fractal antennas. Microwave and Optical Technology Letters, 2013, 55, 180-186.	0.9	5
134	60 GHz system-on-chip (SoC) with built-in memory and an on-chip antenna. , 2014, , .		5
135	A fully printed ferrite nano-particle ink based tunable antenna. , 2016, , .		5
136	A flexible inkjet printed antenna for wearable electronics applications. , 2016, , .		5
137	A wearable RF sensor on fabric substrate for pulmonary edema monitoring. , 2017, , .		5
138	Flexible, Stretchable and Washable Filter Printed Directly on Textile. , 2018, , .		5
139	Fully Inkjet Printed 85GHz Band Pass Filter on Flexible Substrate. , 2018, , .		5
140	3D Printed Bifunctional Triple-Band Heatsink Antenna for RF and Thermal Energy Harvesting. , 2020, , .		5
141	3D Printed RFID Tag Antenna Miniaturized Through Volumetric Folding and Slow-Wave Structures. IEEE Journal of Radio Frequency Identification, 2022, 6, 164-175.	1.5	5
142	Co-design of on-chip antennas and circuits for a UNII band monolithic transceiver. , 2010, , .		4
143	Implantable Intraocular Pressure Monitoring systems: Design considerations. , 2013, , .		4
144	A low cost, printed microwave based level sensor with integrated oscillator readout circuitry. , 2017, , .		4

#	ARTICLE	IF	CITATIONS
145	Gain and Efficiency Enhancement of a 77 GHz On-Chip Antenna through AMC and Superstrate Package. , 2018, , .		4
146	Fully Printed Flexible and Reconfigurable Antenna With Novel Phase Change VO ₂ Ink Based Switch. , 2018, , .		4
147	A Machine Learning-Based Microwave Device Model for Fully Printed VO ₂ RF Switches. , 2021, , .		4
148	On-chip antenna: challenges and design considerations. , 2020, , 123-155.		4
149	Orientation Aware Intelligent 3-D Cubic Antenna System With Automated Radiation Pattern Reconfigurability. IEEE Open Journal of Antennas and Propagation, 2022, 3, 812-823.	2.5	4
150	3D inkjet printed radio frequency inductors and capacitors. , 2016, , .		3
151	A ferrite nano-particles based fully printed process for tunable microwave components. , 2016, , .		3
152	A 24 GHz CMOS oscillator transmitter with an inkjet printed on-chip antenna. , 2016, , .		3
153	Design methodology of single-feed compact near-isotropic antenna design. , 2017, , .		3
154	A millimeter-wave connected antenna array for 5G applications. , 2017, , .		3
155	A 3D printed dual GSM band near isotropic on-package antenna. , 2017, , .		3
156	Flexible Quasi-Isotropic Antenna for Marine Animals Tagging application. , 2018, , .		3
157	SIW Cavity Filters with Embedded Planar Resonators in LTCC Package for 5G Applications. , 2018, , .		3
158	Fully Printed VO ₂ Switch Based Reconfigurable PIFA / T-shaped Monopole Antenna. , 2018, , .		3
159	Low Temperature (80 Å°C) Sinterable Particle Free Silver Ink for Flexible Electronics. , 2018, , .		3
160	A low complexity RF based sensor array for lung disease detection using inkjet printing. International Journal of RF and Microwave Computer-Aided Engineering, 2019, 29, e21586.	0.8	3
161	A Large Frequency Ratio Dual-band Microstrip Antenna with Consistent Radiation Pattern for Internet of Sea Applications. , 2021, , .		3
162	Optimization of ANN-based models and its EM co-simulation for printed RF devices. International Journal of RF and Microwave Computer-Aided Engineering, 2022, 32, e23012.	0.8	3

#	ARTICLE	IF	CITATIONS
163	Gain-enhanced LTCC system-on-package for automotive UMRR applications. , 2010, , .		2
164	An inkjet-printed UWB antenna on paper substrate utilizing a novel fractal matching network. , 2012, , .		2
165	Impedance matching through a single passive fractional element. , 2012, , .		2
166	3D LUMPED COMPONENTS AND MINIATURIZED BANDPASS FILTER IN AN ULTRA-THIN M-LCP FOR SOP APPLICATIONS. Progress in Electromagnetics Research C, 2013, 44, 197-210.	0.6	2
167	Inkjet printed circularly polarized antennas for GPS applications. , 2014, , .		2
168	An inkjet printed near isotropic 3-D antenna with embedded electronics for wireless sensor applications. , 2014, , .		2
169	Comparison of filters: Inkjet printed on PEN substrate versus a laser-etched on LCP substrate. , 2014, , .		2
170	A planar and tunable bandpass filter on a ferrite substrate with integrated windings. , 2015, , .		2
171	Theory and design of a half-mode SIW Ferrite LTCC phase shifter. , 2015, , .		2
172	A flexible inkjet printed inverted-F antenna on textile. , 2016, , .		2
173	A low cost and pipe conformable microwave-based water-cut sensor. , 2016, , .		2
174	Ferrite LTCC based phased array antennas. , 2016, , .		2
175	Novel micromachined on-chip 10-elements wire-grid array operating at 60 GHz. , 2017, , .		2
176	Live demonstration: Screen printed, microwave based level sensor for automated drug delivery. , 2017, , .		2
177	3D printed System-on-Package (SoP) for environmental sensing and localization applications. , 2017, , .		2
178	A low-cost, orientation-insensitive microwave water-cut sensor printed on a pipe surface. , 2017, , .		2
179	A half mode inkjet printed tunable ferrite isolator. , 2017, , .		2
180	Fully Printed VO$\frac{1}{2}$ Switch Based Reconfigurable PIFA Antenna. , 2018, , .		2

#	ARTICLE	IF	CITATIONS
181	Additively Manufactured Flexible and Stretchable Antenna Systems for Wearable Applications. , 2018, , .		2
182	Gain Enhancement Techniques for mm-Wave On-Chip Antennas on Lossy CMOS Platforms. , 2018, , .		2
183	On Synthesis of Orientation Insensitive Antennas. , 2019, , .		2
184	Highly Miniaturized Microstrip Antenna with Slots and a Superstrate for RFID Applications. , 2019, , .		2
185	Guest Editorial Antenna-in-Package, Antenna-on-Chip, Antenna-IC Interface: Joint Design and Cointegration. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 2345-2350.	2.4	2
186	Synthesis of Reflectors Characterized by the Spatial Dispersion of the Reflection Coefficient. IEEE Open Journal of Antennas and Propagation, 2020, 1, 419-425.	2.5	2
187	On-Chip Micromachined Dielectric Resonator Antennas Loaded with Parasitic Circular/Crescent Patch for mm-Wave Applications. , 2020, , .		2
188	Dual-mode Circular Microstrip Patch Antenna for Airborne Applications. , 2021, , .		2
189	All Screen-Printed, Polymer-Nanowire Based Foldable Electronics for mm-Wave Applications (Adv.) Tj ETQq1 1_0.784314rgBT /O 3.0 2		2
190	An Electrically Small Antenna in Package Design with Embedded Electronics for RPW Detection. , 2020, , .		2
191	A Low-Profile and High-Aperture-Efficiency Hexagonal Circularly Polarized Microstrip Antenna Array. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 615-619.	2.4	2
192	Role of Machine Learning in Rapid Modeling of RF Devices: VO2 RF Switch Modeling as a Case Study. , 2021, , .		2
193	Size Optimized Antenna-in-Package with Quasi-Isotropic Radiation Pattern. , 2021, , .		2
194	Co-Design of Dual-Purpose Heatsink Antenna for Multi-Source Ambient Energy Harvesting. , 2022, , .		2
195	Si monolithic antenna calibration and de-embedding considerations. , 2004, , .		1
196	Study of LCP based flexible patch antenna array. , 2012, , .		1
197	A miniature LCP-based quadrature hybrid coupler for GPS system on package (SoP). , 2012, , .		1
198	A paper based inkjet printed real time location tracking TAG. , 2013, , .		1

#	ARTICLE	IF	CITATIONS
199	Wearable and RFID Antennas. International Journal of Antennas and Propagation, 2013, 2013, 1-2.	0.7	1
200	Design strategy for a tunable antenna on a partially magnetized ferrite LTCC substrate. , 2014, , .		1
201	A magnetic nano-particle ink for tunable microwave applications. , 2016, , .		1
202	Inkjet printed wireless smart bandage. , 2016, , .		1
203	An inkjet printed meandered dipole antenna for RF passive sensing applications. , 2016, , .		1
204	Artificial Skin: Paper Skin Multisensory Platform for Simultaneous Environmental Monitoring (Adv.) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	3.0	1
205	Study of field enhancement in overlapped bowtie antenna for Infrared harvesting application. , 2017, , .		1
206	A wearable 3D motion sensing system integrated with a Bluetooth smart phone application: A system level overview. , 2017, , .		1
207	Back radiation suppression through a semi-transparent round ground plane for a mm-Wave monopole antenna. , 2017, , .		1
208	Theroretical Study of Fully Printed Magnetically Tunable Reconfigurable Patch Antenna. , 2018, , .		1
209	24GHz paper based inkjet printed quasi Yagi-Uda antenna with new bowtie director. , 2018, , .		1
210	A Wideband Fully Planar Vivaldi Antenna for WPAN Applications. , 2018, , .		1
211	A Fully Printed Switch Based on VO²/Ink for Reconfigurable RF Components. , 2018, , .		1
212	Fully printed microwave sensor for simultaneous and independent level measurements of 8 liquids. , 2018, , .		1
213	Smart Clamp-Type Microwave Sensor for Accidental Leak Detection from Pipe Joints. , 2019, , .		1
214	77 GHz Screen Printed, Flexible, Beam-Switching Antenna Array for Wearable Radar Applications. , 2019, , .		1
215	Radioâ€Frequency Switches: Fully Inkjetâ€Printed VO₂-Based Radioâ€Frequency Switches for Flexible Reconfigurable Components (Adv. Mater. Technol. 1/2019). Advanced Materials Technologies, 2019, 4, 1970006.	3.0	1
216	Slot antenna array synthesis using the infinitesimal dipole model technique: Theory and experiment. International Journal of RF and Microwave Computer-Aided Engineering, 2020, 30, e22402.	0.8	1

#	ARTICLE	IF	CITATIONS
217	Fully Printed VO2 Switch Based Flexible and Reconfigurable Filter. , 2020, , .		1
218	Hertzian Magnetic Dipoles Model of a Quasi-isotropic radiation microstrip patch based Antenna-in-Package. , 2021, , .		1
219	Polarization Insensitive and Transparent FSS for Flexible Electronics Applications. , 2020, , .		1
220	3D Antenna in Package Design: Maximizing Radiation Pattern Isotropy and CP Coverage. , 2020, , .		1
221	Compact flexible and reconfigurable antenna using screenâ€printed vanadium dioxide switch for wireless local area network and 5G electronic devices. International Journal of RF and Microwave Computer-Aided Engineering, 0, , .	0.8	1
222	Tackling Non-linearity in Cavity Perturbation using Machine Learning Approach. , 2021, , .		1
223	Wideband and Wide Beam-Scanning Phased Array Antenna Design for 5G Applications. , 2021, , .		1
224	Effects of wafer-level packaging on millimetre-wave antennas. , 2011, , .		0
225	A 94 GHz CMOS based oscillator transmitter with an on-chip meandered dipole antenna. , 2015, , .		0
226	A self-biased 3D tunable helical antenna in ferrite LTCC substrate. , 2015, , .		0
227	A low-power 802.11 ad compatible 60-GHz phase-locked loop in 65-nm CMOS. Microwave and Optical Technology Letters, 2015, 57, 660-667.	0.9	0
228	High efficiency on-chip Dielectric Resonator Antennna using micromachining technology. , 2015, , .		0
229	3D printed helical antenna with lens. , 2016, , .		0
230	On-chip micromachined dipole antenna with parasitic radiator for mm-wave wireless systems. , 2016, , .		0
231	3D inkjet printed radio frequency inductors and capacitors. , 2016, , .		0
232	Inkjet Printed RF Sensor Array For Lung Disease Detection. , 2018, , .		0
233	Ultra High Figure-of-Merit Mushroom Nanoantenna Array for Refractive Index Sensing. , 2018, , .		0
234	Sensor for Real-Time Animal Condition and Movement Monitoring. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
235	Flexibility Assesment of Fully Inkjet-Printed Reconfigurable Antenna With VO ₂ Switch. , 2018, , .		0
236	Dispersion and Field Control in a Metasurface-Implanted Waveguide. , 2019, , .		0
237	Screen-printed Flexible and Transparent Antenna. , 2019, , .		0
238	On Scattering of a Vector Cylindrical Wave by an Axisymmetric Semitransparent Reflector. , 2019, , .		0
239	Compact microwave based water-cut sensor suitable for downhole installation. , 2021, , .		0
240	Screen-Printed Depolarizing Chipless RFID Tag Based on Asymmetric Configurations. , 2021, , .		0
241	NRSC 2020 Tutorial. , 2020, , .		0
242	Digital Twin of Expensive Multiphase Flow Loop Test to Develop Next Generation of Production Technologies. , 2022, , .		0
243	Ultra-miniature bluetooth tag with antenna on package for red palm weevil tracking. , 2021, , .		0
244	A Highly Miniaturized 3D Antenna in Package for UHF RFID Application. , 2021, , .		0
245	A fully-screen printed, multi-layer process for bendable mm-wave antennas. , 2022, , .		0