

Emmanouil M Tentzeris

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

333
papers

6,765
citations

44
h-index

69
g-index

392
ext. papers

8,585
ext. citations

3.6
avg, IF

6.4
L-index

#	Paper	IF	Citations
333	Energy Autonomous Two-Way Repeater System for Non-Line-of-Sight Interrogation in Next Generation Wireless Sensor Networks. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2022 , 1-1	4.1	1
332	Filtering Push-Pull Power Amplifier Based on Multifunctional Impedance Matching Network. <i>IEEE Microwave and Wireless Components Letters</i> , 2022 , 1-4	2.6	
331	Advances in Wirelessly Powered Backscatter Communications: From Antenna/RF Circuitry Design to Printed Flexible Electronics. <i>Proceedings of the IEEE</i> , 2022 , 110, 171-192	14.3	7
330	Uncertainty Quantification of Printed Microwave Interconnects by Use of the Sparse Polynomial Chaos Expansion Method. <i>IEEE Microwave and Wireless Components Letters</i> , 2022 , 32, 1-4	2.6	0
329	Next-Generation Healthcare: Enabling Technologies for Emerging Bioelectromagnetics Applications. <i>IEEE Open Journal of Antennas and Propagation</i> , 2022 , 3, 363-390	1.9	5
328	Tile-based massively scalable MIMO and phased arrays for 5G/B5G-enabled smart skins and reconfigurable intelligent surfaces.. <i>Scientific Reports</i> , 2022 , 12, 2741	4.9	2
327	In-Package Additively Manufactured Sensors for Bend Prediction and Calibration of Flexible Phased Arrays and Flexible Hybrid Electronics 2021 ,		2
326	Inkjet-/3D-/4D-Printed Nanotechnology-Enabled Radar, Sensing, and RFID Modules for Internet of Things, Smart Skin, and Zero Power Medical Applications 2021 , 399-434		1
325	Flexible circularly polarized antenna with axial ratio bandwidth enhancement for off-body communications. <i>IET Microwaves, Antennas and Propagation</i> , 2021 , 15, 754-767	1.6	6
324	When a Single Chip becomes the RFID Reader: An Ultra-low-cost 60 GHz Reader and mmID System for Ultra-accurate 2D Microlocalization 2021 ,		1
323	Triple-Band Single-Layer Rectenna for Outdoor RF Energy Harvesting Applications. <i>Sensors</i> , 2021 , 21,	3.8	4
322	A novel 4-DOF wide-range tunable frequency selective surface using an origami "eggbox" structure. <i>International Journal of Microwave and Wireless Technologies</i> , 2021 , 13, 727-733	0.8	1
321	5.8-GHz Low-Power Tunnel-Diode-Based Two-Way Repeater for Non-Line-of-Sight Interrogation of RFIDs and Wireless Sensor Networks. <i>IEEE Microwave and Wireless Components Letters</i> , 2021 , 31, 794-797	2.6	2
320	A printed millimetre-wave modulator and antenna array for backscatter communications at gigabit data rates. <i>Nature Electronics</i> , 2021 , 4, 439-446	28.4	10
319	Fully Inkjet Printed 60GHz Backscatter 5G RFID Modules for Sensing and Localization in Internet of Things (IoT) and Digital Twins Applications 2021 ,		1
318	Additively Manufactured RF Devices for 5G, IoT, RFID, WSN, and Smart City Applications. <i>Selected Topics in Electronics and Systems</i> , 2021 , 163-174	0	
317	5G as a wireless power grid. <i>Scientific Reports</i> , 2021 , 11, 636	4.9	14

316	A Wideband, Quasi-Isotropic, Ambient RF Energy Harvester Combining UHF-TV and FM. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2021 , 1-1	3.8	1
315	Compact 3-D-Printed 4 × Butler Matrix Based on Low-Cost and Curing-Free Additive Manufacturing. <i>IEEE Microwave and Wireless Components Letters</i> , 2021 , 31, 125-128	2.6	6
314	Digital Reconfiguration of a Single Arm 3-D Bowtie Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 69, 4184-4188	4.9	2
313	Duco 2021 , 5, 1-25		0
312	Novel Design Framework for Dual-Band Frequency Selective Surfaces Using Multi-Variant Differential Evolution. <i>Mathematics</i> , 2021 , 9, 2381	2.3	0
311	. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 14719-14730	10.7	2
310	Advanced Development in Packaging of Antenna-integrated Systems for Millimeter-wave Applications 2021 ,		1
309	Ultralow-Loss Substrate-Integrated Waveguides in Glass-Based Substrates for Millimeter-Wave Applications. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2020 , 10, 531-533	1.7	7
308	A Winning Backscatter Modulator: A Quarter-Gram, Ultrahigh-Frequency RFID for On-Metal Operation. <i>IEEE Microwave Magazine</i> , 2020 , 21, 96-100	1.2	
307	Dual-Band Balanced Bandpass Filter Using Slotlines Loaded Patch Resonators With Independently Controllable Bandwidths. <i>IEEE Microwave and Wireless Components Letters</i> , 2020 , 30, 653-656	2.6	2
306	Transformation from 2D meta-pixel to 3D meta-pixel using auxetic kirigami for programmable multifunctional electromagnetic response. <i>Extreme Mechanics Letters</i> , 2020 , 36, 100670	3.9	16
305	Additive Manufacturing AiP Designs and Applications 2020 , 267-291		
304	RFID Based Non-Contact Human Activity Detection Exploiting Cross Polarization. <i>IEEE Access</i> , 2020 , 8, 46585-46595	3.5	8
303	Wearable Antennas for Cross-Body Communication and Human Activity Recognition. <i>IEEE Access</i> , 2020 , 8, 58575-58584	3.5	11
302	Gain-Enhanced Metamaterial Absorber-Loaded Monopole Antenna for Reduced Radar Cross-Section and Back Radiation. <i>Materials</i> , 2020 , 13,	3.5	4
301	Notice of Retraction: Comments on A Modified Gysel Power Divider of Arbitrary Power Ratio and Real Termination Impedances <i>IEEE Microwave and Wireless Components Letters</i> , 2020 , 30, 621-623	2.6	
300	Rotman Lens-Based Wide Angular Coverage and High-Gain Semipassive Architecture for Ultralong Range mm-Wave RFIDs. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2020 , 19, 1943-1947	3.8	14
299	Machine Learning Approach for Wirelessly Powered RFID-Based Backscattering Sensor System. <i>IEEE Journal of Radio Frequency Identification</i> , 2020 , 4, 186-194	2.4	4

298	A Bidirectional Absorptive Common-Mode Filter Based on Interdigitated Microstrip Coupled Lines for 5G Green Communications. <i>IEEE Access</i> , 2020 , 8, 20759-20769	3.5	11
297	A Novel Compact Isolation Circuit Suitable for Ultracompact and Wideband Marchand Baluns. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2020 , 67, 2299-2303	3.5	3
296	Additively Manufactured mm-Wave Multichip Modules With Fully Printed Smart Encapsulation Structures. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2020 , 68, 2716-2724	4.1	17
295	Novel coated differentially fed dual-band fractal antenna for implantable medical devices. <i>IET Microwaves, Antennas and Propagation</i> , 2020 , 14, 199-208	1.6	6
294	Ambient FM Backscattering Low-Cost and Low-Power Wireless RFID Applications 2020 , 117-143		
293	Foreign Object Detection for Wireless Power Transfer Based on Machine Learning 2020 ,		3
292	. <i>IEEE Microwave Magazine</i> , 2020 , 21, 87-103	1.2	13
291	Additively Manufactured RF Devices for 5G, IoT, RFID, WSN, and Smart City Applications. <i>International Journal of High Speed Electronics and Systems</i> , 2020 , 29, 2040016	0.5	
290	Compact dual-band filtering power divider with independently controllable bandwidths using shorted patch resonators. <i>IET Microwaves, Antennas and Propagation</i> , 2020 , 14, 759-767	1.6	4
289	Coupled Lines for Wearable Power Dividers: Coupled Transmission-Line Sections for Power Dividers in Wearable and Flexible RF Electronics. <i>IEEE Microwave Magazine</i> , 2020 , 21, 66-87	1.2	3
288	A Wideband, Quasi-Isotropic, Kilometer-Range FM Energy Harvester for Perpetual IoT. <i>IEEE Microwave and Wireless Components Letters</i> , 2020 , 30, 201-204	2.6	6
287	CSRR Based Sensors for Relative Permittivity Measurement With Improved and Uniform Sensitivity Throughout [0.9–0.9] GHz Band. <i>IEEE Sensors Journal</i> , 2020 , 20, 4667-4678	4	23
286	A Compact Source/Load Agnostic Flexible Rectenna Topology for IoT Devices. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 2621-2629	4.9	19
285	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2020 , 1-1	4.1	9
284	Filtering rat-race couplers with impedance transforming characteristics based on terminated coupled line structures. <i>IET Microwaves, Antennas and Propagation</i> , 2020 , 14, 734-742	1.6	4
283	. <i>IEEE Microwave Magazine</i> , 2020 , 21, 53-64	1.2	1
282	Package-Integrated, Wideband Power Dividing Networks and Antenna Arrays for 28-GHz 5G New Radio Bands. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2020 , 10, 1515-1523	1.7	11
281	RF Systems on Antenna (SoA): a Novel Integration Approach Enabled by Additive Manufacturing 2020 ,		2

280	3D Printed One-shot Deployable Flexible Kirigami Dielectric Reflectarray Antenna for mm-Wave Applications 2020 ,		4
279	Broadband and Miniaturized Antenna-in-Package (AiP) Design for 5G Applications. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2020 , 19, 1963-1967	3.8	8
278	3D-Printed Omnidirectional Luneburg Lens Retroreflectors for Low-Cost mm-Wave Positioning 2020 ,		4
277	Chipless RFID Sensor Tag for Angular Velocity and Displacement Measurement 2019 ,		1
276	Read/Interrogation Enhancement of Chipless RFIDs Using Machine Learning Techniques. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2019 , 18, 2272-2276	3.8	5
275	2019 ,		7
274	Notice of Retraction: Comments on A Theorem on Asymmetric Structure Based Rat-Race Coupler <i>IEEE Microwave and Wireless Components Letters</i> , 2019 , 29, 696-698	2.6	3
273	Range-adaptive Impedance Matching of Wireless Power Transfer System Using a Machine Learning Strategy Based on Neural Networks 2019 ,		3
272	Novel Additively Manufactured Packaging Approaches for 5G/mm-Wave Wireless Modules 2019 ,		2
271	Longitudinally Misalignment-Insensitive Dual-Band Wireless Power and Data Transfer Systems for a Position Detection of Fast-Moving Vehicles. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 5614-5622	4.9	14
270	Fully Inkjet-printed Multi-layer Tunable Origami FSS Structures with Integrated Thermal Actuation Mechanism 2019 ,		3
269	Novel 3D-Printed Reconfigurable Origami Frequency Selective Surfaces With Flexible Inkjet-Printed Conductor Traces 2019 ,		12
268	Achieving Fully Autonomous System-on-Package Designs: An Embedded-on-Package 5G Energy Harvester within 3D Printed Multilayer Flexible Packaging Structures 2019 ,		11
267	A Real-Time Range-Adaptive Impedance Matching Utilizing a Machine Learning Strategy Based on Neural Networks for Wireless Power Transfer Systems. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2019 , 67, 5340-5347	4.1	13
266	Bi-Directional Loop Antenna Array Using Magic Cube Origami. <i>Sensors</i> , 2019 , 19,	3.8	4
265	A Rectifier Circuit Insensitive to the Angle of Incidence of Incoming Waves Based on a Wilkinson Power Combiner. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2019 , 67, 3210-3218	4.1	12
264	Wide frequency switchable microwave resonator by injecting eutectic gallium indium into microfluidic defected ground structure. <i>Microwave and Optical Technology Letters</i> , 2019 , 61, 2405-2409	1.2	
263	Notice of Retraction: Comments on A Universal Approach for Designing an Unequal Branch-Line Coupler With Arbitrary Phase Differences and Input/Output Impedances <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2019 , 9, 1208-1209	1.7	5

262	. <i>IEEE Access</i> , 2019 , 7, 39288-39298	3.5	6
261	In-Phase T-Junction: Study and Application to Gysel Power Dividers for High Power-Division Ratios Requiring No High-Impedance Transmission-Line Section. <i>IEEE Access</i> , 2019 , 7, 18146-18154	3.5	15
260	A Quadruple-Polarization Reconfigurable Feeding Network for UAV RF Sensing Antenna. <i>IEEE Microwave and Wireless Components Letters</i> , 2019 , 29, 183-185	2.6	7
259	Compact and Wideband General Coupled-Line Ring Hybrids (GCRHs) for Arbitrary Circumferences and Arbitrary Power-Division Ratios. <i>IEEE Access</i> , 2019 , 7, 33414-33423	3.5	10
258	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2019 , 67, 978-987	4.1	12
257	. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2019 , 9, 80-87	1.7	4
256	3-D-Printing-Based Selective-Ink-Deposition Technique Enabling Complex Antenna and RF Structures for 5G Applications up to 6 GHz. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2019 , 9, 1434-1447	1.7	6
255	Notice of Retraction: Comments on "Novel Sub-Miniaturized Wilkinson Power Divider Based on Small Phase Delay" <i>IEEE Microwave and Wireless Components Letters</i> , 2019 , 29, 439-439	2.6	3
254	Ultra-Compact and Wideband V(U)HF 3-dB Power Dividers Consisting of Novel Asymmetric Impedance Transformers. <i>IEEE Access</i> , 2019 , 7, 76367-76375	3.5	3
253	A Scalable High-Gain and Large-Beamwidth mm-wave Harvesting Approach for 5G-powered IoT 2019 ,		15
252	Low Cost Ambient Backscatter for Agricultural Applications 2019 ,		4
251	3D Printed 2.45 GHz Yagi-Uda Loop Antenna Utilizing Microfluidic Channels and Liquid Metal 2019 ,		2
250	Optically Transparent Metamaterial Absorber Using Inkjet Printing Technology. <i>Materials</i> , 2019 , 12,	3.5	2
249	Balanced-to-unbalanced power dividers for arbitrary power division ratios and for arbitrary real termination impedances. <i>IET Microwaves, Antennas and Propagation</i> , 2019 , 13, 904-910	1.6	3
248	Guest Editorial Special Issue on Intrinsic Hardware Security for Internet of Things Infrastructure. <i>IEEE Internet of Things Journal</i> , 2019 , 6, 321-324	10.7	1
247	3D Glass-Based Panel-Level Package with Antenna and Low-Loss Interconnects for Millimeter-Wave 5G Applications 2019 ,		1
246	A Compact Conformal Dipole Antenna With Improved Gain for Wireless Capsule Endoscope Systems 2019 ,		1
245	A Thermally Actuated Fully Inkjet-Printed Origami-Inspired Multilayer Frequency Selective Surface With Continuous-Range Tunability Using Polyester-Based Substrates. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2019 , 67, 4944-4954	4.1	9

244	Fully Inkjet-printed Tunable Hybrid n-Ripple Miura (n-RiM) Frequency Selective Surfaces 2019,		1
243	2019,		4
242	Miniaturized Millimeter Wave RFID Tag for Spatial Identification and Localization in Internet of Things Applications 2019,		7
241	Nanotechnology-Empowered Flexible Printed Wireless Electronics: A Review of Various Applications of Printed Materials. <i>IEEE Nanotechnology Magazine</i> , 2019 , 13, 18-29	1.7	12
240	Notice of Retraction: Comments on "Coupling Coefficient Reconfigurable Wideband Branch-Line Coupler Topology With Harmonic Suppression" <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2019 , 67, 834-834	4.1	
239	A Deployable Quasi-Yagi Monopole Antenna Using Three Origami Magic Spiral Cubes. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2019 , 18, 147-151	3.8	15
238	77-GHz mmWave antenna array on liquid crystal polymer for automotive radar and RF front-end module. <i>ETRI Journal</i> , 2019 , 41, 262-269	1.4	3
237	Planar quasi-isotropic antenna for drone communication. <i>Microwave and Optical Technology Letters</i> , 2018 , 60, 1290-1295	1.2	4
236	Exploring 3-D Printing for New Applications: Novel Inkjet- and 3-D-Printed Millimeter-Wave Components, Interconnects, and Systems. <i>IEEE Microwave Magazine</i> , 2018 , 19, 57-66	1.2	23
235	Parylene coated waterproof washable inkjet-printed dual-band antenna on paper substrate. <i>International Journal of Microwave and Wireless Technologies</i> , 2018 , 10, 814-818	0.8	7
234	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2018 , 66, 366-379	4.1	111
233	A uW Backscatter-Morse-Leaf Sensor for Low-Power Agricultural Wireless Sensor Networks. <i>IEEE Sensors Journal</i> , 2018 , 18, 7889-7898	4	49
232	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,		5
231	Novel 3D-/Inkjet-Printed Flexible On-package Antennas, Packaging Structures, and Modules for Broadband 5G Applications 2018,		8
230	A Novel Integration of Stereolithography and Inkjet Printing for Multichip Modules with High Frequency Packaging Applications 2018,		3
229	Miniaturized High-Performance Filters for 5G Small-Cell Applications 2018,		14
228	Leading-Edge and Ultra-Thin 3D Glass-Polymer 5G Modules with Seamless Antenna-to-Transceiver Signal Transmissions 2018,		17
227	Stretchable, Printable and Electrically Conductive Composites for Wearable RF Antennas 2018,		5

226	Radar & additive manufacturing technologies: The future of Internet of Things (IoT) 2018 ,		5
225	A Depolarizing Chipless RFID Tag with Humidity Sensing Capability 2018 ,		10
224	Nanotechnology-Enabled Additively-Manufactured RF and Millimeter-wave Electronics 2018 ,		2
223	Four-PAM Modulation of Ambient FM Backscattering for Spectrally Efficient Low-Power Applications. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2018 , 66, 5909-5921	4.1	17
222	Fully Inkjet-Printed Ramp Interconnects for Wireless Ka-Band MMIC Devices and Multi-Chip Module Packaging 2018 ,		10
221	First Demonstration of Compact, Ultra-Thin Low-Pass and Bandpass Filters for 5G Small-Cell Applications. <i>IEEE Microwave and Wireless Components Letters</i> , 2018 , 28, 1110-1112	2.6	31
220	Continuous-range tunable multilayer frequency-selective surfaces using origami and inkjet printing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 13210-13215	11.5	50
219	Spectrally Efficient 4-PAM Ambient FM Backscattering for Wireless Sensing and RFID Applications 2018 ,		6
218	Smart Floating Balls: 3D Printed Spherical Antennas and Sensors for Water Quality Monitoring 2018 ,		3
217	n-RiM: A Paradigm Shift in the Realization of Fully Inkjet-printed Broadband Tunable FSS using Origami Structures 2018 ,		3
216	A Fully 3D Printed Multi-Chip Module with an On-Package Enhanced Dielectric Lens for mm-Wave Applications Using Multimaterial Stereo-lithography 2018 ,		4
215	Expand Horizons of Microfluidic Systems: An Inkjet Printed Flexible Energy Autonomous Micropump System for Wearable and IoT Microfluidic Applications 2018 ,		2
214	Frequency-Tunable Electromagnetic Absorber by Mechanically Controlling Substrate Thickness. <i>International Journal of Antennas and Propagation</i> , 2018 , 2018, 1-7	1.2	3
213	Low-cost metamaterial absorber using three-dimensional circular truncated cone. <i>Microwave and Optical Technology Letters</i> , 2018 , 60, 1622-1630	1.2	14
212	Novel Generic Asymmetric and Symmetric Equivalent Circuits of 90° Coupled Transmission-Line Sections Applicable to Marchand Baluns. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2017 , 65, 746-760	4.1	16
211	Printed Motes for IoT Wireless Networks: State of the Art, Challenges, and Outlooks. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2017 , 65, 1819-1830	4.1	12
210	A Novel Solar and Electromagnetic Energy Harvesting System With a 3-D Printed Package for Energy Efficient Internet-of-Things Wireless Sensors. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2017 , 65, 1831-1842	4.1	89
209	. <i>Proceedings of the IEEE</i> , 2017 , 105, 702-722	14.3	36

208	Low-Cost Circularly Polarized Origami Antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017 , 16, 2026-2029	3.8	22
207	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	4.1	49
206	Inkjet-printed 3D Hilbert-curve fractal antennas for VHF band. <i>Microwave and Optical Technology Letters</i> , 2017 , 59, 1698-1704	1.2	4
205	A fully autonomous ultra-low power hybrid RF/photovoltaic energy harvesting system with ≈ 5 dBm sensitivity 2017 ,		3
204	Design of a novel wireless power system using machine learning techniques for drone applications 2017 ,		10
203	A Novel Heuristic Passive and Active Matching Circuit Design Method for Wireless Power Transfer to Moving Objects. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2017 , 65, 1094-1102	4.1	12
202	E-band characterization of 3D-printed dielectrics for fully-printed millimeter-wave wireless system packaging 2017 ,		19
201	A Mm-wave ultra-long-range energy-autonomous printed RFID-enabled van-atta wireless sensor: At the crossroads of 5G and IoT 2017 ,		27
200	Novel uniquely 3D printed intricate Voronoi and fractal 3D antennas 2017 ,		9
199	Ambient FM backscattering for smart agricultural monitoring 2017 ,		17
198	Sensitivity enhancement of flexible gas sensors via conversion of inkjet-printed silver electrodes into porous gold counterparts. <i>Scientific Reports</i> , 2017 , 7, 8988	4.9	25
197	First Demonstration of 28 GHz and 39 GHz Transmission Lines and Antennas on Glass Substrates for 5G Modules 2017 ,		23
196	Ambient Backscatterers Using FM Broadcasting for Low Cost and Low Power Wireless Applications. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2017 , 65, 5251-5262	4.1	35
195	Millimeter-wave ink-jet printed RF energy harvester for next generation flexible electronics 2017 ,		18
194	High-Performance RF Devices and Components on Flexible Cellulose Substrate by Vertically Integrated Additive Manufacturing Technologies. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2017 , 65, 62-71	4.1	25
193	A Novel High-Gain Tetrahedron Origami. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017 , 16, 848-858	3.5	17
192	A Novel Wideband Compact Microstrip Coupled-Line Ring Hybrid for Arbitrarily High Power-Division Ratios. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2017 , 64, 630-634	3.5	15
191	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2017 , 65, 5345-5354	4.1	14

190	Long range wireless interrogation of passive humidity sensors using Van-Atta cross-polarization effect and 3D beam scanning analysis 2017 ,		7
189	Novel 3D-printed Chinese fan-bow-tie antennas for origami/shape-changing configurations 2017 ,		6
188	Nanostructured miniaturized artificial magnetic conductors (AMC) for high-performance antennas in 5G, IoT, and smart skin applications 2017 ,		12
187	A novel ultra-thin flexible metamaterial absorber for human body protection from EMF hazards 2017 ,		2
186	Novel 3D printed liquid-metal-alloy microfluidics-based zigzag and helical antennas for origami reconfigurable antenna arrays 2017 ,		20
185	Inkjet-printed tunable spatial filters using on-demand foldable surfaces 2017 ,		10
184	Millimeter-wave backscatter: A quantum leap for gigabit communication, RF sensing, and wearables 2017 ,		24
183	Inkjet printed 24 GHz rectenna on paper for millimeter wave identification and wireless power transfer applications 2017 ,		8
182	On-package mm-wave FSS integration with 3D-printed encapsulation 2017 ,		3
181	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2017 , 65, 5389-5400	4.1	21
180	A novel additive-manufactured multiple-infill ultra-lightweight cavity-backed slot antenna for UWB applications 2017 ,		4
179	A Planar Windmill-Like Broadband Antenna Equipped With Artificial Magnetic Conductor for Off-Body Communications. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2016 , 15, 64-67	3.8	38
178	Fabrication of microstrip patch antenna using novel hybrid printing technology. <i>Microwave and Optical Technology Letters</i> , 2016 , 58, 2602-2606	1.2	2
177	Software-defined reader for multi-modal RFID sensing 2016 ,		2
176	Pulse shaping for backscatter radio 2016 ,		7
175	Multi-domain modeling of 3D printed, nanotechnology and morphing/origami-based RF modules 2016 ,		1
174	Substrate-independent system-on-package antenna integration with inkjet printing 2016 ,		1
173	Heuristic passive and active matching circuit design method for wireless power transfer for moving objects 2016 ,		5

172	3D printed reconfigurable helical antenna based on microfluidics and liquid metal alloy 2016 ,		11
171	Inkjet-Printed Smart Skins and Wirelessly-Powered Sensors for Wearable Applications 2016 , 351-374		
170	A novel wideband and circularly polarized cross-dipole antenna. <i>Wireless Communications and Mobile Computing</i> , 2016 , 16, 3153-3162	1.9	1
169	Inkjet-Printed Electromagnet-Based Touchpad Using Spiral Resonators. <i>Journal of Microelectromechanical Systems</i> , 2016 , 25, 947-953	2.5	16
168	Fully inkjet-printed microfluidics: a solution to low-cost rapid three-dimensional microfluidics fabrication with numerous electrical and sensing applications. <i>Scientific Reports</i> , 2016 , 6, 35111	4.9	74
167	Additive manufacturing of substrate integrated waveguide components 2016 ,		4
166	Inkjet Printed High-Q RF Inductors on Paper Substrate With Ferromagnetic Nanomaterial. <i>IEEE Microwave and Wireless Components Letters</i> , 2016 , 26, 419-421	2.6	18
165	Guest Editorial Special Issue on Radio-Frequency Identification (RFID), Sensing, and Imaging. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2016 , 64, 2292-2293	4.1	
164	Notice of Retraction: Comments on On-Chip Miniaturized Diplexer Using Joint Dual-Mode Right-/Left-Handed Synthesized Coplanar Waveguides on GIPD Process <i>IEEE Microwave and Wireless Components Letters</i> , 2016 , 26, 380-382	2.6	2
163	Inkjet Printing of Multilayer Millimeter-Wave Yagi-Uda Antennas on Flexible Substrates. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2016 , 15, 143-146	3.8	61
162	A Real-Time Electrically Controlled Active Matching Circuit Utilizing Genetic Algorithms for Wireless Power Transfer to Biomedical Implants. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2016 , 64, 365-374	4.1	38
161	Fabrication of Fully Inkjet-Printed Vias and SIW Structures on Thick Polymer Substrates. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2016 , 6, 486-496	1.7	37
160	Infill-Dependent 3-D-Printed Material Based on NinjaFlex Filament for Antenna Applications. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2016 , 15, 1506-1509	3.8	78
159	Development, characterization, and processing of thin and thick inkjet-printed dielectric films. <i>Organic Electronics</i> , 2016 , 29, 135-141	3.5	27
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