

# Yong-Xin Guo

## 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.

315 papers	7,201 citations	46 h-index	71 g-index
393 ext. papers	9,583 ext. citations	3.5 avg, IF	6.64 L-index

#	Paper	IF	Citations
3 <sup>15</sup>	Higher-Order Characteristic Modes-Based Broad-beam Dielectric Resonator Antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2022</b> , 1-1	3.8	1
3 <sup>14</sup>	A Compact Full 90° Cone-Metric-Space Beam-Scanning Antenna Array Using Resonant-Type Phase-Shifters. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2022</b> , 1-1	4.9	1
3 <sup>13</sup>	A Differentially Fed Antenna With Complex Impedance for Ingestible Wireless Capsules. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2022</b> , 21, 139-143	3.8	2
3 <sup>12</sup>	Wearable Permanent Magnet Tracking System for Wireless Capsule Endoscope. <i>IEEE Sensors Journal</i> , <b>2022</b> , 1-1	4	0
3 <sup>11</sup>	Millimetre-Wave Frequency Modulated Continuous Wave Radar-based Soft Fall Detection using Pattern Contour-Confined Doppler-Time Maps. <i>IEEE Sensors Journal</i> , <b>2022</b> , 1-1	4	3
3 <sup>10</sup>	Design of Miniaturized 5G SISL BPFs With Wide Stopband Using Differential Drive Inductor Resonators. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2022</b> , 1-1	4.1	
3 <sup>09</sup>	AlN/GaN MISHEMTs on Si with in-situ SiN as a gate dielectric for power amplifiers in mobile SoCs. <i>Applied Physics Express</i> , <b>2022</b> , 15, 016503	2.4	4
3 <sup>08</sup>	A Wideband Dual-Polarized Ring-Loaded Cross Bowtie Antenna for Wireless Capsule Endoscopes: Design and Link Analysis. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2022</b> , 1-1	4.9	0
3 <sup>07</sup>	3D SAR Data-driven Imaging via Learned Low-Rank and Sparse Priors. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2022</b> , 1-1	8.1	2
3 <sup>06</sup>	Multiband Dual-Polarized Hybrid Antenna with Complementary Beam for Simultaneous RF Energy Harvesting and WPT. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2022</b> , 1-1	4.9	2
3 <sup>05</sup>	The Gray Wolf Optimizer for Antenna Optimization Designs: Continuous, Binary, Single-Objective, and Multiobjective Implementations.. <i>IEEE Antennas and Propagation Magazine</i> , <b>2021</b> , 2-14	1.7	
3 <sup>04</sup>	An Evolutionary Multilayer Perceptron-Based Large-Signal Model of GaN HEMTs Including Self-Heating and Trapping Effects. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2021</b> , 1-1	4.1	0
3 <sup>03</sup>	The Charge-Based Flicker Noise Model for HEMTs. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2021</b> , 1-4	2.6	1
3 <sup>02</sup>	Wideband Endfire Dielectric Resonator Antenna Employing Fundamental and Higher Order Magnetoelectric Resonances. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2021</b> , 1-1	3.8	1
3 <sup>01</sup>	Wireless Localization for a Capsule Endoscopy: Techniques and Solutions <b>2021</b> , 191-234		
3 <sup>00</sup>	A Conformal UWB Dual-Polarized Antenna for Wireless Capsule Endoscope Systems. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2021</b> , 20, 483-487	3.8	10
2 <sup>99</sup>	Analysis and Modeling of the Temperature-Dependent Nonlinearity of Intrinsic Capacitances in AlGaIn/GaN HEMTs. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2021</b> , 31, 373-376	2.6	4

298	Electrically connected spin-torque oscillators array for 2.4 GHz WiFi band transmission and energy harvesting. <i>Nature Communications</i> , <b>2021</b> , 12, 2924	17.4	13
297	Silicon-Based Quantum Mechanical Tunnel Junction for Plasmon Excitation from Low-Energy Electron Tunneling. <i>ACS Photonics</i> , <b>2021</b> , 8, 1951-1960	6.3	5
296	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 69, 3106-3114	4.9	6
295	Compact Dual-Polarized Antenna With Enlarged Effective-to-Physical Aperture Ratio for Wireless Power Transfer and RFID. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 69, 4166-4171	4.9	2
294	Metal Ion-Induced Assembly of MXene Aerogels via Biomimetic Microtextures for Electromagnetic Interference Shielding, Capacitive Deionization, and Microsupercapacitors. <i>Advanced Energy Materials</i> , <b>2021</b> , 11, 2101494	21.8	12
293	Miniaturized, Ultra-Wideband and High Isolation Single Pole Double Throw Switch by Using $\Gamma$ -Type Topology in GaAs pHEMT Technology. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , <b>2021</b> , 68, 191-195	3.5	3
292	GaN-on-Si HEMTs Fabricated With Si CMOS-Compatible Metallization for Power Amplifiers in Low-Power Mobile SoCs. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2021</b> , 31, 141-144	2.6	4
291	Unidirectional Dielectric Resonator Antennas Employing Electric and Magnetic Dipole Moments. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 1-1	4.9	3
290	Fully Flexible Polymer-based Microwave Devices: Materials, Fabrication Technique, and Application to Transmission Lines. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 1-1	4.9	3
289	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 1-1	4.9	
288	An Accurate Neural Network-Based Consistent Gate Charge Model for GaN HEMTs by Refining Intrinsic Capacitances. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2021</b> , 69, 3208-3218	4.1	8
287	A Compact Rectenna With Flat-Top Angular Coverage for RF Energy Harvesting. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2021</b> , 20, 1307-1311	3.8	9
286	Highly Integrated Beam Scanning Groove Gap Waveguide Leaky Wave Antenna Array. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 69, 5112-5117	4.9	8
285	Electroluminescence in plasmonic actuator based on Au/SiO <sub>2</sub> /n-Si tunnel junction. <i>Nanophotonics</i> , <b>2021</b> ,	6.3	2
284	Multiobjective Optimization Design of Aperture Illuminations for Microwave Power Transmission via Multiobjective Grey Wolf Optimizer. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 6265-6276	4.9	5
283	A 3-D-Printed Multibeam Dual Circularly Polarized Luneburg Lens Antenna Based on Quasi-Icosahedron Models for Ka-Band Wireless Applications. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 5807-5815	4.9	22
282	Target Localization Based on Intermodulation Feedback for Multisine Wireless Power Transmission Using a Time-Modulated Array. <i>IEEE Access</i> , <b>2020</b> , 8, 59169-59181	3.5	1
281	Plasmonic-enhanced light emission from a waveguide-integrated tunnel junction. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2020</b> , 37, 2171	1.7	1

280	Lookup-Table-Based Automated Rectifier Synthesis. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2020</b> , 1-1	4.1	5
279	A 1-D Electronic Beam-Scanning Monopulse Antenna Array Based on a Compact Stripline Phase-Shifter. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2020</b> , 19, 2477-2481	3.8	1
278	A Wideband Circularly Polarized Array Antenna With Compact and High-Efficiency Feeding Network. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 62-69	4.9	7
277	An Optimal Design for Passive Magnetic Localization System Based on SNR Evaluation. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2020</b> , 69, 4324-4333	5.2	11
276	3-D Printed Wideband Millimeter-Wave Horn Antenna With Conical Radiation Pattern. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2020</b> , 19, 453-456	3.8	3
275	Hybrid Wireless Positioning and Charging With Switched Field Helmholtz Coils for Wireless Capsule Endoscopy. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2020</b> , 68, 904-913	4.1	6
274	A Ka-Band Wideband Dual-Polarized Magnetoelectric Dipole Antenna Array on LTCC. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 4985-4990	4.9	35
273	A 3-D-Printed Wideband Circularly Polarized Parallel-Plate Luneburg Lens Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 4944-4949	4.9	27
272	Reversible Crumpling of 2D Titanium Carbide (MXene) Nanocoatings for Stretchable Electromagnetic Shielding and Wearable Wireless Communication. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 1907451	15.6	91
271	Dual-Band Co-Aperture Planar Array Antenna Constituted of Segmented Patches. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2020</b> , 19, 257-261	3.8	10
270	Improvement of Radiation Efficiency for Frequency Beam-Scanning Antennas Using a Subarray Topology. <i>IEEE Access</i> , <b>2020</b> , 8, 109429-109439	3.5	0
269	Ridged Waveguide Magic Tees Based on 3-D Printing Technology. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2020</b> , 68, 4267-4275	4.1	7
268	A Millimetre-Wave Radar-Based Fall Detection Method Using Line Kernel Convolutional Neural Network. <i>IEEE Sensors Journal</i> , <b>2020</b> , 20, 13364-13370	4	10
267	A Compact Reflector Antenna Fed by a Composite S/Ka-Band Feed for 5G Wireless Communications. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 7813-7821	4.9	8
266	3-D Printed Antenna Subsystem With Dual-Polarization and its Test in System Level for Radiometer Applications. <i>IEEE Access</i> , <b>2020</b> , 8, 127856-127865	3.5	2
265	Harmonic-Recycling Rectifier for High-Efficiency Far-Field Wireless Power Transfer. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , <b>2020</b> , 67, 770-774	3.5	7
264	A Time-Modulated Array With Digitally Preprocessed Rectangular Pulses for Wireless Power Transmission. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 3283-3288	4.9	3
263	Transmission Line Representation of the Capacitive Via-Plate Interaction Toward a Capacitor-Free Via Model. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , <b>2019</b> , 9, 2248-2256	17	0

262	Wearable Magnetic Localization System with Noise Cancellation for Wireless Capsule Endoscopy <b>2019</b> ,		2
261	A novel large-signal FET model considering trapping-induced dispersions. <i>International Journal of Numerical Modelling: Electronic Networks, Devices and Fields</i> , <b>2019</b> , 32, e2552	1	1
260	A Novel Passive Magnetic Localization Wearable System for Wireless Capsule Endoscopy. <i>IEEE Sensors Journal</i> , <b>2019</b> , 19, 3462-3472	4	32
259	A Silicon-Based Hybrid Plasmonic Waveguide for Nano-Scale Optical Confinement and Long Range Propagation. <i>IEEE Nanotechnology Magazine</i> , <b>2019</b> , 18, 437-444	2.6	11
258	Nano-antenna enhanced waveguide integrated light source based on an MIS tunnel junction. <i>Optics Letters</i> , <b>2019</b> , 44, 2330-2333	3	6
257	A Beam-Shaping Feeding Network in Series Configuration for Antenna Array With Cosecant-Square Pattern and Low Sidelobes. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2019</b> , 18, 742-746	3.8	10
256	Bandwidth Improvement of Center-Fed Series Antenna Array Targeting for Base Stations in Offshore 5G Communications. <i>IEEE Access</i> , <b>2019</b> , 7, 33537-33543	3.5	7
255	Cooperative Integration of RF Energy Harvesting and Dedicated WPT for Wireless Sensor Networks. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2019</b> , 29, 291-293	2.6	32
254	Wireless Power Transfer Antenna Alignment Using Intermodulation for Two-Tone Powered Implantable Medical Devices. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2019</b> , 67, 1708-1716	4.1	26
253	Dual-mode charge pump with second-harmonic readout for antenna alignment in wireless power transfer system. <i>Electronics Letters</i> , <b>2019</b> , 55, 146-148	1.1	1
252	Frequency Beam-Steering Antenna With Large Scanning Angle and Low Sidelobe in Brick Configuration Aiming for 2-D Expansion. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2019</b> , 67, 5734-5739	4.9	8
251	The Method of Diode Modeling and Novel Equivalent Circuit for Microwave Rectifiers <b>2019</b> ,		1
250	Closed-form Expressions Based Automated Rectifier Synthesis <b>2019</b> ,		2
249	A Compensation Method for Switches Imperfection in Direction Finding System using Time-Modulated Arrays <b>2019</b> ,		3
248	A Threshold Voltage Model for Charge Trapping Effect of AlGaIn/GaN HEMTs. <i>IEEE Access</i> , <b>2019</b> , 7, 120638-120647	3.5	6
247	Fast and Accurate Temperature-Dependent Current Modeling of HBTs Using the Dimension Reduction Method. <i>IEEE Access</i> , <b>2019</b> , 7, 160858-160869	3.5	6
246	Dielectric and metallic jointly 3D-printed mmWave hyperbolic lens antenna. <i>IET Microwaves, Antennas and Propagation</i> , <b>2019</b> , 13, 1934-1939	1.6	14
245	Investigation of material properties for polymer-based microwave devices. <i>Journal of Physics: Conference Series</i> , <b>2019</b> , 1399, 044075	0.3	1

244	Metamaterial-Inspired Self-Polarizing Dual-Band Dual-Orthogonal Circularly Polarized Fabry-Pérot Resonator Antennas. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2019</b> , 67, 1329-1334	4.9	18
243	Analysis and Design of a Reconfigurable Rectifier Circuit for Wireless Power Transfer. <i>IEEE Transactions on Industrial Electronics</i> , <b>2019</b> , 66, 7089-7098	8.9	30
242	Cascaded Fiber Up-Taper Modal Interferometer and Its Application as Fiber Sensor. <i>Journal of Lightwave Technology</i> , <b>2019</b> , 37, 2675-2680	4	1
241	Exploiting Third Harmonic of Differential Charge Pump for Wireless Power Transfer Antenna Alignment. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2019</b> , 29, 71-73	2.6	11
240	Analytical Gate Capacitance Models for Large-Signal Compact Model of AlGaIn/GaN HEMTs. <i>IEEE Transactions on Electron Devices</i> , <b>2019</b> , 66, 357-363	2.9	10
239	. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2018</b> , 17, 714-718	3.8	20
238	A Conformal Circularly Polarized Antenna for Wireless Capsule Endoscope Systems. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2018</b> , 66, 2119-2124	4.9	25
237	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2018</b> , 66, 3354-3365	4.9	16
236	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2018</b> , 66, 3690-3695	4.9	19
235	High Sensitivity Optical Fiber Curvature Sensor Based on Cascaded Fiber Interferometer. <i>Journal of Lightwave Technology</i> , <b>2018</b> , 36, 1125-1130	4	43
234	Compact dual-band circularly polarised antenna with omnidirectional and unidirectional properties. <i>IET Microwaves, Antennas and Propagation</i> , <b>2018</b> , 12, 259-264	1.6	10
233	A flexible liquid-metal alloy bandpass filter. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , <b>2018</b> , 28, e21265	1.5	5
232	Design of a Reconfigurable Patch Antenna Using the Movement of Liquid Metal. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2018</b> , 17, 974-977	3.8	34
231	Body Effects on the Tuning RF Performance of PD SOI Technology Using Four-Port Network. <i>IEEE Electron Device Letters</i> , <b>2018</b> , 39, 795-798	4.4	4
230	Bendable and Stretchable Microfluidic Liquid Metal-Based Filter. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2018</b> , 28, 203-205	2.6	8
229	Placement selection of millimeter wave FMCW radar for indoor fall detection <b>2018</b> ,		11
228	A dimension-reduced artificial neural network for the compact modeling of semiconductor devices <b>2018</b> ,		2
227	Design of a Dual-Polarized Wideband Conformal Loop Antenna for Capsule Endoscopy Systems. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2018</b> , 66, 5706-5715	4.9	20

226	Characterization of Buffer-Related Current Collapse by Buffer Potential Simulation in AlGaIn/GaN HEMTs. <i>IEEE Transactions on Electron Devices</i> , <b>2018</b> , 65, 3169-3175	2.9	20
225	A General Dimension Reduction Method for the Dispersion Modeling of Semiconductor Devices. <i>IEEE Access</i> , <b>2018</b> , 6, 39422-39434	3.5	3
224	A Universal Scalable Thermal Resistance Model for Compact Large-Signal Model of AlGaIn/GaN HEMTs. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2018</b> , 66, 4419-4429	4.1	13
223	Metallic, 3D-Printed, K-Band-Stepped, Double-Ridged Square Horn Antennas. <i>Applied Sciences (Switzerland)</i> , <b>2018</b> , 8, 33	2.6	14
222	. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2018</b> , 28, 690-692	2.6	8
221	A Highly Integrated 3-D Printed Metallic K-Band Passive Front End as the Unit Cell in a Large Array for Satellite Communication. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2018</b> , 17, 2046-2050	3.8	21
220	Modeling Buffer-Related Charge Trapping Effect by Using Threshold Voltage Shifts in AlGaIn/GaN HEMTs <b>2018</b> ,		3
219	Wireless Power Transfer Antenna Alignment Using Third Harmonic. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2018</b> , 28, 536-538	2.6	15
218	High sensitivity curvature sensor with a dual core photonic crystal fiber interferometer <b>2018</b> ,		1
217	A Ka-Band LTCC Magneto-Electric Dipole Array for 5G Communications <b>2018</b> ,		1
216	A Metallic 3D Printed 20 GHz Unit Cell for Satellite Communications <b>2018</b> ,		1
215	Uneven-to-Even Power Distribution for Maintaining High Efficiency of Dual-Linearly Polarized Rectenna. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2018</b> , 28, 1119-1121	2.6	19
214	Miniaturized Dual-Band Circularly Polarized Quadruple Inverted-F Antenna for GPS Applications. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2018</b> , 17, 1109-1113	3.8	10
213	Wireless Power Delivery to Flexible Subcutaneous Implants Using Capacitive Coupling. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2017</b> , 65, 280-292	4.1	80
212	Miniaturized implantable antenna integrated with split resonate rings for wireless power transfer and data telemetry. <i>Microwave and Optical Technology Letters</i> , <b>2017</b> , 59, 710-714	1.2	14
211	A Filtering Dual-Polarized Antenna Subarray Targeting for Base Stations in Millimeter-Wave 5G Wireless Communications. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , <b>2017</b> , 7, 964-973	1.7	55
210	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2017</b> , 65, 3738-3743	4.9	30
209	. <i>Proceedings of the IEEE</i> , <b>2017</b> , 105, 723-736	14.3	104



208	In Vivo High-Efficiency Wireless Power Transfer With Multisine Excitation. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2017</b> , 65, 3530-3540	4.1	30
207	Wireless Power Transfer Strategies for Implantable Bioelectronics. <i>IEEE Reviews in Biomedical Engineering</i> , <b>2017</b> , 10, 136-161	6.4	212
206	Investigation and Modeling of Capacitive Human Body Communication. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , <b>2017</b> , 11, 474-482	5.1	19
205	An Ultrawideband Conformal Capsule Antenna With Stable Impedance Matching. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2017</b> , 65, 5086-5094	4.9	46
204	Planar Shared Antenna Structure for NFC and UHF-RFID Reader Applications. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2017</b> , 65, 5583-5588	4.9	9
203	A Miniaturized Circularly Polarized Implantable Annular-Ring Antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2017</b> , 16, 2566-2569	3.8	33
202	Investigation of field uniformity and uncertainties in reverberation chamber using nonequidistant tuner position. <i>Microwave and Optical Technology Letters</i> , <b>2017</b> , 59, 1190-1194	1.2	
201	A Novel Approach for Millimeter-Wave Dielectric Resonator Antenna Array Designs by Using the Substrate Integrated Technology. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2017</b> , 65, 909-914	4.9	29
200	CPW-Fed Wideband Circularly Polarized Printed Monopole Antenna With Open Loop and Asymmetric Ground Plane. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2017</b> , 16, 833-836	3.8	44
199	Differentially-fed charge pumping rectifier design with an enhanced efficiency for ambient RF energy harvesting <b>2017</b> ,		8
198	Single-Layer Dual-/Tri-Band Inverted-F Antennas for Conformal Capsule Type of Applications. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2017</b> , 65, 7257-7265	4.9	35
197	A temperature dependent empirical model for AlGaIn/GaN HEMTs including charge trapping and self-heating effects <b>2017</b> ,		11
196	Near-field and far-field shared structure for NFC and CNSS applications. <i>IET Microwaves, Antennas and Propagation</i> , <b>2017</b> , 11, 2116-2123	1.6	2
195	Intermodulation harvesting rectifier design for high efficiency multi-sine wireless power transfer <b>2016</b> ,		5
194	An Efficient Gain Enhancement Approach for 60-GHz Antenna Using Fully Integrated Vertical Metallic Walls in LTCC. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2016</b> , 64, 4513-4518	4.9	8
193	Broadband LNA MMIC design for W-band passive millimetre-wave imaging (PMWI) application <b>2016</b> ,		2
192	AMC-Backed Flexible Near-Endfire Wearable Antennas for On-Body Communications <b>2016</b> , 61-86		
191	Stretchable and conductive polymer films for high-performance electromagnetic interference shielding. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 6525-6532	7.1	132



190	Modeling of wireless power transfer link for retinal implant <b>2016</b> ,		3
189	A Compact Dual-Band Antenna for Wireless Body-Area Network Applications. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2016</b> , 15, 98-101	3.8	42
188	An Integrated On-Chip Implantable Antenna in $0.18\text{-}\mu\text{m}$ CMOS Technology for Biomedical Applications. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2016</b> , 64, 1167-1172	4.9	15
187	Wearable AMC Backed Near-Endfire Antenna for On-Body Communications on Latex Substrate. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , <b>2016</b> , 6, 346-358	1.7	72
186	A Millimeter-Wave Filtering Monopulse Antenna Array Based on Substrate Integrated Waveguide Technology. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2016</b> , 64, 316-321	4.9	62
185	A Novel Dual-Band Antenna for Wireless Communication Applications. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2016</b> , 15, 516-519	3.8	30
184	Independent Mobility Achieved through a Wireless Brain-Machine Interface. <i>PLoS ONE</i> , <b>2016</b> , 11, e0165733	3.3	22
183	An SIW filtering antenna array with quasi-elliptic gain response based on intercavity bypass coupling. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , <b>2016</b> , 26, 191-198	1.5	
182	Broadband circularly polarised implantable antenna for biomedical applications. <i>Electronics Letters</i> , <b>2016</b> , 52, 504-506	1.1	27
181	Rapid design approach of optimal efficiency magnetic resonant wireless power transfer system. <i>Electronics Letters</i> , <b>2016</b> , 52, 314-315	1.1	9
180	A Novel 4-D Artificial-Neural-Network-Based Hybrid Large-Signal Model of GaAs pHEMTs. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2016</b> , 64, 1752-1762	4.1	17
179	Design of a Circularly Polarized Ground Radiation Antenna for Biomedical Applications. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2016</b> , 64, 2535-2540	4.9	31
178	Miniaturized Dual-Band and Dual-Polarized Antenna for MBAN Applications. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2016</b> , 64, 2805-2814	4.9	43
177	An Artificial Neural Network-Based Electrothermal Model for GaN HEMTs With Dynamic Trapping Effects Consideration. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2016</b> , 64, 2519-2528	4.1	67
176	A $2.89\text{-}\mu\text{W}$ Dry-Electrode Enabled Clockless Wireless ECG SoC for Wearable Applications. <i>IEEE Journal of Solid-State Circuits</i> , <b>2016</b> , 1-12	5.5	25
175	A Reconfigurable Diode Topology for Wireless Power Transfer With a Wide Power Range. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2016</b> , 26, 846-848	2.6	7
174	Enabling wireless powering and telemetry for peripheral nerve implants. <i>IEEE Journal of Biomedical and Health Informatics</i> , <b>2015</b> , 19, 958-70	7.2	59
173	A novel 3D cavity diplexer with compact size using LTCC technologies for V-band wireless communication systems. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , <b>2015</b> , 25, 141-145	1.5	1

172	Characterisation of measurement uncertainties due to preamplifier gain variation. <i>Electronics Letters</i> , <b>2015</b> , 51, 64-65	1.1	1
171	A 3-D Millimeter-Wave Filtering Antenna With High Selectivity and Low Cross-Polarization. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2015</b> , 63, 2375-2380	4.9	68
170	Substrate-Integrated Millimeter-Wave Short Backfire Antenna Excited by a Novel Quad-Slot Cavity-Back Feed. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , <b>2015</b> , 5, 1694-1699	1.7	3
169	Efficient wireless power delivery and reliable telemetry for implants and safety <b>2015</b> ,		1
168	Wideband Symmetrical Cross-Shaped Probe Dual-Beam Microstrip Patch Antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2015</b> , 14, 622-625	3.8	23
167	Enhanced Dual-Band Ambient RF Energy Harvesting With Ultra-Wide Power Range. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2015</b> , 25, 630-632	2.6	81
166	Interaction of electromagnetic waves with humans in wearable and biomedical implant antennas <b>2015</b> ,		16
165	Dual-band circularly polarized microstrip patch antenna for RFID applications <b>2015</b> ,		1
164	Miniaturized rat-race coupler with harmonic suppression. <i>Microwave and Optical Technology Letters</i> , <b>2015</b> , 57, 190-193	1.2	3
163	Bandwidth Enhancement of an Implantable Antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2015</b> , 14, 1510-1513	3.8	39
162	Miniaturized differentially fed dual-band implantable antenna: Design, realization, and in vitro test. <i>Radio Science</i> , <b>2015</b> , 50, 959-967	1.4	6
161	A novel extrinsic parameter extraction method for the technology independent modeling of transistors <b>2015</b> ,		1
160	Substrate integrated waveguide differential filtering power divider with good common-mode suppression and high selectivity. <i>Electronics Letters</i> , <b>2015</b> , 51, 2115-2117	1.1	25
159	A novel hybrid parameter extraction method for GaAs/GaN HEMT modeling with electromagnetic analysis <b>2015</b> ,		3
158	Reverberation chamber modeling based on proportional dimension. <i>Microwave and Optical Technology Letters</i> , <b>2015</b> , 57, 838-841	1.2	2
157	A switched-beam microstrip antenna array with miniaturized butler matrix network. <i>Microwave and Optical Technology Letters</i> , <b>2015</b> , 57, 841-845	1.2	10
156	Design of a compact rectenna for wireless power transmission miniaturization applications. <i>International Journal of Applied Electromagnetics and Mechanics</i> , <b>2015</b> , 49, 475-482	0.4	2
155	Compact Planar Sparse Array Antenna with Optimum Element Dimensions for SATCOM Ground Terminals. <i>International Journal of Antennas and Propagation</i> , <b>2015</b> , 2015, 1-11	1.2	4

154	A Miniature-Implantable Antenna for MedRadio-Band Biomedical Telemetry. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2015</b> , 14, 1176-1179	3.8	34
153	In Vivo Testing of Circularly Polarized Implantable Antennas in Rats. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2015</b> , 14, 783-786	3.8	14
152	Wideband 60 GHz circularly polarised stacked patch antenna array in low-temperature co-fired ceramic technology. <i>IET Microwaves, Antennas and Propagation</i> , <b>2015</b> , 9, 436-445	1.6	7
151	A 2.89-W clockless wireless dry-electrode ECG SoC for wearable sensors <b>2015</b> ,		6
150	Iterative non-breakdown rectifier topology for via-tissue multi-sine wireless power transmission <b>2015</b> ,		1
149	Sparse phased array antenna for space-borne SAR <b>2015</b> ,		2
148	A new optimization based parasitic parameters extraction method for GaN HEMT with asymmetrical channel structure <b>2015</b> ,		3
147	A novel extraction approach of extrinsic and intrinsic parameters of InGaAs/GaN pHEMTs <b>2015</b> ,		2
146	Wireless sensor microsystems for emerging biomedical applications (Invited) <b>2015</b> ,		1
145	Compact Low-Profile Dual Band Metamaterial Antenna for Body Centric Communications. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2015</b> , 14, 863-866	3.8	31
144	Miniaturized Circularly Polarized Loop Antenna for Biomedical Applications. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2015</b> , 63, 922-930	4.9	55
143	Millimeter-Wave Low Temperature Co-Fired Ceramic Leaky-Wave Antenna and Array Based on the Substrate Integrated Image Guide Technology. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2014</b> , 62, 669-676	4.9	31
142	W-Band Large-Scale High-Gain Planar Integrated Antenna Array. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2014</b> , 62, 3370-3373	4.9	112
141	Enhanced absorption in elliptical silicon nanowire arrays for solar energy harvesting. <i>Optical Engineering</i> , <b>2014</b> , 53, 027102	1.1	12
140	Miniaturized Dual-Band Antenna for Implantable Wireless Communications. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2014</b> , 13, 1160-1163	3.8	48
139	Design and in Vitro Test of a Differentially Fed Dual-Band Implantable Antenna Operating at MICS and ISM Bands. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2014</b> , 62, 2430-2439	4.9	91
138	A Planar Microstrip Crossover With Lumped Inductors for Three Intersecting Channels. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2014</b> , 62, 851-860	4.1	13
137	A new balanced-to-single-ended (BTSE) power divider <b>2014</b> ,		26

136	Repeater insertion for carbon nanotube interconnects. <i>Micro and Nano Letters</i> , <b>2014</b> , 9, 337-339	0.9	17
135	Compact bandpass filter with improved upper stopband. <i>Electronics Letters</i> , <b>2014</b> , 50, 1065-1067	1.1	11
134	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2014</b> , 62, 2407-2417	4.9	146
133	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2014</b> , 62, 5798-5806	4.9	113
132	Circularly Polarized Helical Antenna for ISM-Band Ingestible Capsule Endoscope Systems. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2014</b> , 62, 6027-6039	4.9	98
131	High-efficiency triple-band ambient RF energy harvesting for wireless body sensor network <b>2014</b> ,		15
130	Equivalent circuit analysis of inductively coupled NFC antennas <b>2014</b> ,		2
129	Miniaturized rat race coupler with harmonic suppression <b>2014</b> ,		2
128	Electrothermal modelling and characterisation of submicron through-silicon carbon nanotube bundle vias for three-dimensional ICs. <i>Micro and Nano Letters</i> , <b>2014</b> , 9, 123-126	0.9	13
127	Miniaturized Rat-Race Coupler With Harmonic Suppression. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2014</b> , 24, 754-756	2.6	22
126	A new extraction method of extrinsic elements of GaAs/GaN HEMTs <b>2014</b> ,		3
125	Low-profile circularly polarized fabry-perot resonator antenna fed by linearly polarized patch <b>2014</b> ,		3
124	Miniaturized implantable circularly polarized patch antenna <b>2014</b> ,		2
123	Wireless data telemetry and power transfer for biomedical applications <b>2014</b> ,		1
122	60-GHz LTCC Antenna Arrays <b>2014</b> , 211-239		
121	A Dual-Band Rectenna Using Broadband Yagi Antenna Array for Ambient RF Power Harvesting. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2013</b> , 12, 918-921	3.8	229
120	Analysis and Design of Gain Enhanced Cascode Stage Utilizing a New Passive Compensation Network. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2013</b> , 61, 2892-2900	4.1	2
119	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2013</b> , 61, 4052-4062	4.1	71

118	60-GHz LTCC Miniaturized Substrate Integrated Multibeam Array Antenna With Multiple Polarizations. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2013</b> , 61, 5958-5967	4.9	66
117	Dual-band circularly polarized stacked microstrip antenna over RIS for GPS applications <b>2013</b> ,		6
116	A miniaturized implantable loop antenna at MICS and ISM bands for biomedical applications <b>2013</b> ,		4
115	Miniaturised slot antenna for biomedical applications. <i>Electronics Letters</i> , <b>2013</b> , 49, 1060-1061	1.1	20
114	Electric near-field coupling for wireless power transfer in biomedical applications <b>2013</b> ,		16
113	Balun <sup>B</sup> effect on the measurement of transmission characteristics for intrabody communication channel <b>2013</b> ,		18
112	Latex based near-endfire wearable antenna backed by AMC surface <b>2013</b> ,		6
111	Matching network to improve the transmission level of capacitive intra-body communication (IBC) channels <b>2013</b> ,		2
110	An Adaptive Reconfigurable Rectifier for Wireless Power Transmission. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2013</b> , 23, 492-494	2.6	45
109	60-GHz LTCC Wideband Vertical Off-Center Dipole Antenna and Arrays. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2013</b> , 61, 153-161	4.9	36
108	. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2013</b> , 23, 261-263	2.6	10
107	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2013</b> , 61, 1802-1809	4.9	107
106	Dual Band Low Profile Antenna for Body Centric Communications. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2013</b> , 61, 2282-2285	4.9	45
105	Wideband modified L-probe fed circularly polarized patch antenna with conical beam radiation pattern. <i>Journal of Electromagnetic Waves and Applications</i> , <b>2013</b> , 27, 969-977	1.3	2
104	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2013</b> , 61, 1475-1479	4.9	39
103	Highly efficient wireless energy harvesting system using metamaterial based compact CP antenna <b>2013</b> ,		14
102	Dual band low profile antenna for body centric communications with a split ring resonator <b>2013</b> ,		4
101	LTCC-Based Substrate Integrated Image Guide and Its Transition to Conductor-Backed Coplanar Waveguide. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2013</b> , 23, 450-452	2.6	8

100	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2013</b> , 61, 430-435	4.9	92
99	60-GHz LTCC dielectric resonator antenna array <b>2013</b> ,		4
98	Electromagnetic Compatibility-Oriented Study on Through Silicon Single-Walled Carbon Nanotube Bundle Via (TS-SWCNTBV) Arrays. <i>IEEE Transactions on Electromagnetic Compatibility</i> , <b>2012</b> , 54, 149-157 <sup>2</sup>		37
97	Modified constrained explicit knowledge-embedded space mapping using circuit tuning based on physical augmentation as parameter extraction. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , <b>2012</b> , 22, 49-58	1.5	
96	Overcoming coil misalignment using magnetic fields of induced currents in wireless power transmission <b>2012</b> ,		8
95	<b>2012</b> ,		2
94	Electrical characterization of through-silicon vias (TSV) with different physical configurations <b>2012</b> ,		1
93	Compact Dual-Band Antenna for Implantable Devices. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2012</b> , 11, 1508-1511	3.8	65
92	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2012</b> , 60, 2234-2241	4.9	76
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90	Rectangular coils optimization for wireless power transmission. <i>Radio Science</i> , <b>2012</b> , 47, n/a-n/a	1.4	17
89	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2012</b> , 60, 4582-4588	4.9	32
88	A 60-GHz Differential on-chip Yagi antenna using 0.18- $\mu\text{m}$ CMOS technology <b>2012</b> ,		6
87	A high-sensitivity 2.45 GHz rectenna for low input power energy harvesting <b>2012</b> ,		2
86	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2012</b> , 60, 1329-1335	4.9	117
85	Differentially Fed Dual-Band Implantable Antenna for Biomedical Applications. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2012</b> , 60, 5587-5595	4.9	54
84	A 3-D Table-Based Method for Non-Quasi-Static Microwave FET Devices Modeling. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2012</b> , 60, 3088-3095	4.1	18
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82	Topology Selection and Efficiency Improvement of Inductive Power Links. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2012</b> , 60, 4846-4854	4.9	61
81	Broadband reflectarray with single layer sub-wavelength patch elements fed by SIW tapered slot antenna <b>2012</b> ,		1
80	Concurrent dual band class F power amplifier with novel harmonic control network. <i>Microwave and Optical Technology Letters</i> , <b>2012</b> , 54, 707-711	1.2	1
79	3-to-5GHz 4-channel UWB beamforming transmitter with 1° phase resolution through calibrated vernier delay line in 0.13 $\mu$ m CMOS <b>2012</b> ,		5
78	Design of a plasmonic back reflector for silicon nanowire decorated solar cells. <i>Optics Letters</i> , <b>2012</b> , 37, 4245-7	3	14
77	Dual-Band Implantable Antenna With Open-End Slots on Ground. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2012</b> , 11, 1564-1567	3.8	53
76	A flexible modified dipole antenna printed on PET film <b>2012</b> ,		5
75	A Hybrid Patch/Slot Implantable Antenna for Biotelemetry Devices. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2012</b> , 11, 1646-1649	3.8	37
74	Millimeter-wave on-chip antennas and antennas in package <b>2012</b> ,		1
73	100-Channel wireless neural recording system with 54-Mb/s data link and 40%-efficiency power link <b>2012</b> ,		12
72	Technology-independent table-based diode model for rectenna design in RF energy harvesting <b>2012</b> ,		3
71	Broadband 60-GHz beam-steering vertical off-center dipole antennas in LTCC <b>2012</b> ,		3
70	An efficient wireless power link for neural implant <b>2012</b> ,		3
69	Design of a Substrate Integrated Waveguide Balun Filter Based on Three-Port Coupled-Resonator Circuit Model. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2011</b> , 21, 252-254	2.6	39
68	Circularly Polarized Beam-Steering Antenna Array With Butler Matrix Network. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2011</b> , 10, 1278-1281	3.8	39
67	Inductive wireless power transmission for implantable devices <b>2011</b> ,		11
66	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2011</b> , 59, 1869-1878	4.1	16
65	A Consistent Charge Model of GaAs MESFETs for $\mu$ -Band Power Amplifiers. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2011</b> , 59, 2246-2253	4.1	5



64	Design of a miniaturized microstrip dual-mode dual-band bandpass filter. <i>Microwave and Optical Technology Letters</i> , <b>2011</b> , 53, 1493-1496	1.2	1
63	Wideband Self-Complementary Quasi-Yagi Antenna for Millimeter-Wave Systems. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2011</b> , 10, 322-325	3.8	22
62	Evaluation and optimization of high frequency wireless power links <b>2011</b> ,		3
61	Transmission characteristics of a coaxial through-silicon via (C-TSV) interconnect <b>2011</b> ,		3
60	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2011</b> , 59, 3083-3089	4.9	44
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58	An Ultra-Wideband Antenna for Mobile Handset Applications. <i>Advanced Materials Research</i> , <b>2011</b> , 383-390, 4457-4460	0.5	2
57	A Novel Multilayer UWB Antenna on LTCC. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2010</b> , 58, 3013-3019	4.9	8
56	High-efficiency millimeter-wave substrate integrated waveguide silicon on-chip antennas using through silicon via <b>2010</b> ,		1
55	A study on the inductive power links for implantable biomedical devices <b>2010</b> ,		12
54	Dual-Band Bandpass Filter Using Parallel Short-Ended Feed Scheme. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2010</b> , 20, 325-327	2.6	23
53	A 60-GHz OOK Receiver With an On-Chip Antenna in 90 nm CMOS. <i>IEEE Journal of Solid-State Circuits</i> , <b>2010</b> , 45, 1720-1731	5.5	87
52	A dual-band filter using stepped-impedance resonator (SIR) embedded into substrate integrated waveguide (SIW) <b>2010</b> ,		16
51	Effect of Primary Source Location on Fabry-Perot Resonator Antenna with PEC or PMC Ground Plate. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , <b>2010</b> , 31, 1022-1031	2.2	5
50	Miniaturized band-pass filter for broadband applications. <i>Microwave and Optical Technology Letters</i> , <b>2010</b> , 52, 1372-1375	1.2	
49	Constrained explicit knowledge embedded space mapping using circuit tuning based on physical augmentation as parameter extraction <b>2009</b> ,		1
48	Improved Radio-Over-Fiber Transponder With Multistage Automatic Gain Control. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2009</b> , 57, 2816-2823	4.1	2
47	Application of an electroabsorption modulator in radio-over-fiber networks [Invited]. <i>Journal of Optical Networking</i> , <b>2009</b> , 8, 146		4

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43	Development of a 60-GHz Bandpass Filter and a Dipole Antenna Using Wafer Transfer Technology. <i>IEEE Electron Device Letters</i> , <b>2009</b> , 30, 784-786	4.4	2
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41	Miniaturized reconfigurable filter using PIN diode for UWB applications <b>2008</b> ,		6
40	A Novel Miniature 102 GHz $90^\circ$ MMIC Phase Shifter with Microstrip Radial Stubs. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2008</b> , 18, 109-111	2.6	5
39	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2008</b> , 56, 319-326	4.9	82
38	Defected ground structure microstrip bandpass filter with multiple finite transmission zeros <b>2008</b> ,		0
37	Performance evaluation for WiMedia Ultra-wideband simultaneous transmission with wireless LAN over cable and fiber <b>2008</b> ,		1
36	. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2007</b> , 17, 61-63	2.6	16
35	Wideband Circularly Polarized Dielectric Resonator Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2007</b> , 55, 1929-1932	4.9	75
34	Double annular-ring dielectric resonator antenna for ultra-wideband application. <i>Microwave and Optical Technology Letters</i> , <b>2007</b> , 49, 362-366	1.2	7
33	Equivalent circuit model of a tri-resonance wideband dielectric resonator antenna. <i>Microwave and Optical Technology Letters</i> , <b>2007</b> , 49, 1427-1433	1.2	4
32	WiMedia Ultra-Wide Band Transmission in Radio over Fiber using Multimode Fiber. <i>Conference Proceedings - Lasers and Electro-Optics Society Annual Meeting-LEOS</i> , <b>2007</b> ,		1
31	Investigation on optimized launch power in the distributed Brillouin fiber sensor design <b>2007</b> ,		2
30	Wideband Dual-Polarized Patch Antenna With Broadband Baluns. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2007</b> , 55, 78-83	4.9	60
29	A Compact Slow-Wave Microstrip Branch-Line Coupler With High Performance. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2007</b> , 17, 501-503	2.6	75

28	Improved wide-band Schiffman phase shifter. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2006</b> , 54, 1196-1200	4.1	103
27	Design of miniaturized LTCC baluns. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , <b>2006</b> , 16, 268-279	1.5	5
26	Wideband dielectric resonator antenna. <i>Microwave and Optical Technology Letters</i> , <b>2006</b> , 48, 222-226	1.2	6
25	High selective stepped-impedance dual-band bandpass filter. <i>Microwave and Optical Technology Letters</i> , <b>2006</b> , 48, 1964-1966	1.2	2
24	Dual-Band Stepped-Impedance Band-Pass Filter <b>2006</b> ,		4
23	A novel LTCC miniaturized dualband balun. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2006</b> , 16, 143-145	2.6	18
22	A new planar marchand balun <b>2005</b> ,		14
21	Wide-band stacked double annular-ring dielectric resonator antenna at the end-fire mode operation. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2005</b> , 53, 3394-3397	4.9	31
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19	An investigation into measurement of handset antennas. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2005</b> , 54, 1100-1110	5.2	49
18	Improved planar Marchand balun using a patterned ground plane. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , <b>2005</b> , 15, 307-316	1.5	20
17	Analysis of parallel coupled-line bandpass filters using a ground-plane aperture. <i>Microwave and Optical Technology Letters</i> , <b>2005</b> , 45, 237-240	1.2	3
16	Wide-band L-probe fed circular patch antenna for conical-pattern radiation. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2004</b> , 52, 1115-1116	4.9	67
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14	Miniature built-in multiband antennas for mobile handsets. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2004</b> , 52, 1936-1944	4.9	90
13	T-probe proximity-fed short-circuited patch antenna. <i>Microwave and Optical Technology Letters</i> , <b>2003</b> , 37, 1-2	1.2	2
12	Compact internal quad-band antenna for mobile phones. <i>Microwave and Optical Technology Letters</i> , <b>2003</b> , 38, 217-223	1.2	35
11	Miniature built-in quad-band antennas for mobile handsets. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2003</b> , 2, 30-32	3.8	42

10	Compact internal multiband antennas for mobile handsets. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2003</b> , 2, 143-146	3.8	40
9	Dual-polarized dielectric resonator antennas. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2003</b> , 51, 1120-1123	4.9	35
8	On improving coupling between a coplanar waveguide feed and a dielectric resonator antenna. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2003</b> , 51, 2144-2146	4.9	15
7	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2003</b> , 51, 1955-1963	4.9	26
6	A quarter-wave U-shaped patch antenna with two unequal arms for wideband and dual-frequency operation. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2002</b> , 50, 1082-1087	4.9	43
5	Broadband dual polarization patch element for cellular-phone base stations. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2002</b> , 50, 251-253	4.9	56
4	Analysis and design of L-probe proximity fed-patch antennas. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2001</b> , 49, 145-149	4.9	108
3	L-probe proximity-fed annular ring microstrip antennas. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2001</b> , 49, 19-21	4.9	28
2	Mutual coupling between millimeter-wave dielectric-resonator antennas. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>1999</b> , 47, 2164-2166	4.1	11
1	Phase Matching via Plasmonic Modal Dispersion for Third Harmonic Generation. <i>Advanced Science</i> , 2011, 3, 11006	3.6	36