Yong-Xin Guo

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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
315	A Dual-Band Rectenna Using Broadband Yagi Antenna Array for Ambient RF Power Harvesting. *IEEE Antennas and Wireless Propagation Letters*, **2013**, 12, 918-921	3.8	229
314	Wireless Power Transfer Strategies for Implantable Bioelectronics. *IEEE Reviews in Biomedical Engineering*, **2017**, 10, 136-161	6.4	212
313	Design of a High-Efficiency 2.45-GHz Rectenna for Low-Input-Power Energy Harvesting. *IEEE Antennas and Wireless Propagation Letters*, **2012**, 11, 929-932	3.8	210
312	. *IEEE Transactions on Antennas and Propagation*, **2014**, 62, 2407-2417	4.9	146
311	Stretchable and conductive polymer films for high-performance electromagnetic interference shielding. *Journal of Materials Chemistry C*, **2016**, 4, 6525-6532	7.1	132
310	. *IEEE Transactions on Antennas and Propagation*, **2012**, 60, 1329-1335	4.9	117
309	. *IEEE Transactions on Antennas and Propagation*, **2014**, 62, 5798-5806	4.9	113
308	W-Band Large-Scale High-Gain Planar Integrated Antenna Array. *IEEE Transactions on Antennas and Propagation*, **2014**, 62, 3370-3373	4.9	112
307	Analysis and design of L-probe proximity fed-patch antennas. *IEEE Transactions on Antennas and Propagation*, **2001**, 49, 145-149	4.9	108
306	. *IEEE Transactions on Antennas and Propagation*, **2013**, 61, 1802-1809	4.9	107
305	. *Proceedings of the IEEE*, **2017**, 105, 723-736	14.3	104
304	Improved wide-band Schiffman phase shifter. *IEEE Transactions on Microwave Theory and Techniques*, **2006**, 54, 1196-1200	4.1	103
303	Circularly Polarized Helical Antenna for ISM-Band Ingestible Capsule Endoscope Systems. *IEEE Transactions on Antennas and Propagation*, **2014**, 62, 6027-6039	4.9	98
302	Broadband Circularly Polarized Annular-Ring Microstrip Antenna. *IEEE Transactions on Antennas and Propagation*, **2009**, 57, 2474-2477	4.9	98
301	. *IEEE Transactions on Antennas and Propagation*, **2013**, 61, 430-435	4.9	92
300	Design and in Vitro Test of a Differentially Fed Dual-Band Implantable Antenna Operating at MICS and ISM Bands. *IEEE Transactions on Antennas and Propagation*, **2014**, 62, 2430-2439	4.9	91
299	Reversible Crumpling of 2D Titanium Carbide (MXene) Nanocoatings for Stretchable Electromagnetic Shielding and Wearable Wireless Communication. *Advanced Functional Materials*, **2020**, 30, 1907451	15.6	91

298	Miniature built-in multiband antennas for mobile handsets. *IEEE Transactions on Antennas and Propagation*, **2004**, 52, 1936-1944	4.9	90
297	A 60-GHz OOK Receiver With an On-Chip Antenna in 90 nm CMOS. *IEEE Journal of Solid-State Circuits*, **2010**, 45, 1720-1731	5.5	87
296	A new wide-band planar balun on a single-layer PCB. *IEEE Microwave and Wireless Components Letters*, **2005**, 15, 416-418	2.6	86
295	. *IEEE Transactions on Antennas and Propagation*, **2008**, 56, 319-326	4.9	82
294	Enhanced Dual-Band Ambient RF Energy Harvesting With Ultra-Wide Power Range. *IEEE Microwave and Wireless Components Letters*, **2015**, 25, 630-632	2.6	81
293	Wireless Power Delivery to Flexible Subcutaneous Implants Using Capacitive Coupling. *IEEE Transactions on Microwave Theory and Techniques*, **2017**, 65, 280-292	4.1	80
292	. *IEEE Transactions on Antennas and Propagation*, **2012**, 60, 2234-2241	4.9	76
291	Wideband Circularly Polarized Dielectric Resonator Antenna. *IEEE Transactions on Antennas and Propagation*, **2007**, 55, 1929-1932	4.9	75
290	A Compact Slow-Wave Microstrip Branch-Line Coupler With High Performance. *IEEE Microwave and Wireless Components Letters*, **2007**, 17, 501-503	2.6	75
289	Wearable AMC Backed Near-Endfire Antenna for On-Body Communications on Latex Substrate. *IEEE Transactions on Components, Packaging and Manufacturing Technology*, **2016**, 6, 346-358	1.7	72
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287	A 3-D Millimeter-Wave Filtering Antenna With High Selectivity and Low Cross-Polarization. *IEEE Transactions on Antennas and Propagation*, **2015**, 63, 2375-2380	4.9	68
286	Miniaturized Microstrip Wilkinson Power Divider With Harmonic Suppression. *IEEE Microwave and Wireless Components Letters*, **2009**, 19, 440-442	2.6	67
285	Wide-band L-probe fed circular patch antenna for conical-pattern radiation. *IEEE Transactions on Antennas and Propagation*, **2004**, 52, 1115-1116	4.9	67
284	An Artificial Neural Network-Based Electrothermal Model for GaN HEMTs With Dynamic Trapping Effects Consideration. *IEEE Transactions on Microwave Theory and Techniques*, **2016**, 64, 2519-2528	4.1	67
283	60-GHz LTCC Miniaturized Substrate Integrated Multibeam Array Antenna With Multiple Polarizations. *IEEE Transactions on Antennas and Propagation*, **2013**, 61, 5958-5967	4.9	66
282	Compact Dual-Band Antenna for Implantable Devices. *IEEE Antennas and Wireless Propagation Letters*, **2012**, 11, 1508-1511	3.8	65
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280	Topology Selection and Efficiency Improvement of Inductive Power Links. *IEEE Transactions on Antennas and Propagation*, **2012**, 60, 4846-4854	4.9	61
279	Wideband Dual-Polarized Patch Antenna With Broadband Baluns. *IEEE Transactions on Antennas and Propagation*, **2007**, 55, 78-83	4.9	60
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277	Broadband dual polarization patch element for cellular-phone base stations. *IEEE Transactions on Antennas and Propagation*, **2002**, 50, 251-253	4.9	56
276	A Filtering Dual-Polarized Antenna Subarray Targeting for Base Stations in Millimeter-Wave 5G Wireless Communications. *IEEE Transactions on Components, Packaging and Manufacturing Technology*, **2017**, 7, 964-973	1.7	55
275	Miniaturized Circularly Polarized Loop Antenna for Biomedical Applications. *IEEE Transactions on Antennas and Propagation*, **2015**, 63, 922-930	4.9	55
274	Differentially Fed Dual-Band Implantable Antenna for Biomedical Applications. *IEEE Transactions on Antennas and Propagation*, **2012**, 60, 5587-5595	4.9	54
273	Dual-Band Implantable Antenna With Open-End Slots on Ground. *IEEE Antennas and Wireless Propagation Letters*, **2012**, 11, 1564-1567	3.8	53
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271	Miniaturized Dual-Band Antenna for Implantable Wireless Communications. *IEEE Antennas and Wireless Propagation Letters*, **2014**, 13, 1160-1163	3.8	48
270	An Ultrawideband Conformal Capsule Antenna With Stable Impedance Matching. *IEEE Transactions on Antennas and Propagation*, **2017**, 65, 5086-5094	4.9	46
269	An Adaptive Reconfigurable Rectifier for Wireless Power Transmission. *IEEE Microwave and Wireless Components Letters*, **2013**, 23, 492-494	2.6	45
268	Dual Band Low Profile Antenna for Body Centric Communications. *IEEE Transactions on Antennas and Propagation*, **2013**, 61, 2282-2285	4.9	45
267	CPW-Fed Wideband Circularly Polarized Printed Monopole Antenna With Open Loop and Asymmetric Ground Plane. *IEEE Antennas and Wireless Propagation Letters*, **2017**, 16, 833-836	3.8	44
266	. *IEEE Transactions on Antennas and Propagation*, **2011**, 59, 3083-3089	4.9	44
265	New compact six-band internal antenna. *IEEE Antennas and Wireless Propagation Letters*, **2004**, 3, 295-297	3.8	44
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263	A quarter-wave U-shaped patch antenna with two unequal arms for wideband and dual-frequency operation. *IEEE Transactions on Antennas and Propagation*, **2002**, 50, 1082-1087	4.9	43

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261	A Compact Dual-Band Antenna for Wireless Body-Area Network Applications. *IEEE Antennas and Wireless Propagation Letters*, **2016**, 15, 98-101	3.8	42
260	Miniature built-in quad-band antennas for mobile handsets. *IEEE Antennas and Wireless Propagation Letters*, **2003**, 2, 30-32	3.8	42
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255	Circularly Polarized Beam-Steering Antenna Array With Butler Matrix Network. *IEEE Antennas and Wireless Propagation Letters*, **2011**, 10, 1278-1281	3.8	39
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253	A Hybrid Patch/Slot Implantable Antenna for Biotelemetry Devices. *IEEE Antennas and Wireless Propagation Letters*, **2012**, 11, 1646-1649	3.8	37
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243	Cooperative Integration of RF Energy Harvesting and Dedicated WPT for Wireless Sensor Networks. *IEEE Microwave and Wireless Components Letters*, **2019**, 29, 291-293	2.6	32
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208	Uneven-to-Even Power Distribution for Maintaining High Efficiency of Dual-Linearly Polarized Rectenna. *IEEE Microwave and Wireless Components Letters*, **2018**, 28, 1119-1121	2.6	19
207	Balun effect on the measurement of transmission characteristics for intrabody communication channel **2013**,		18
206	A 3-D Table-Based Method for Non-Quasi-Static Microwave FET Devices Modeling. *IEEE Transactions on Microwave Theory and Techniques*, **2012**, 60, 3088-3095	4.1	18
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194	An Integrated On-Chip Implantable Antenna in $0.18-mutext{m}$ CMOS Technology for Biomedical Applications. *IEEE Transactions on Antennas and Propagation*, **2016**, 64, 1167-1172	4.9	15
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96	A new optimization based parasitic parameters extraction method for GaN HEMT with asymmetrical channel structure **2015**,		3
95	A new extraction method of extrinsic elements of GaAs/GaN HEMTs **2014**,		3
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41	Wireless sensor microsystems for emerging biomedical applications (Invited) **2015**,		1
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39	Electrical characterization of through-silicon vias (TSV) with different physical configurations **2012**,		1
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10	Modified constrained explicit knowledge-embedded space mapping using circuit tuning based on physical augmentation as parameter extraction. *International Journal of RF and Microwave Computer-Aided Engineering*, **2012**, 22, 49-58	1.5
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4	An SIW filtering antenna array with quasi-elliptic gain response based on intercavity bypass coupling. *International Journal of RF and Microwave Computer-Aided Engineering*, **2016**, 26, 191-198	1.5
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