Guan-Long Huang

List of Publications by Year
in descending order

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98 papers	1,892 citations	236925 25 h-index	276875 41 g-index
98 all docs	98 docs citations	98 times ranked	1387 citing authors

#	Article	IF	Citations
1	Dual-Band Metasurface-Based Decoupling Method for Two Closely Packed Dual-Band Antennas. IEEE Transactions on Antennas and Propagation, 2020, 68, 552-557.	5.1	209
2	A Low Profile and Low Sidelobe Wideband Slot Antenna Array Feb by an Amplitude-Tapering Waveguide Feed-Network. IEEE Transactions on Antennas and Propagation, 2015, 63, 419-423.	5.1	113
3	Ceramic Superstrate-Based Decoupling Method for Two Closely Packed Antennas With Cross-Polarization Suppression. IEEE Transactions on Antennas and Propagation, 2021, 69, 1751-1756.	5.1	82
4	Design of a Wideband Dual-Polarization Full-Corporate Waveguide Feed Antenna Array. IEEE Transactions on Antennas and Propagation, 2015, 63, 4775-4782.	5.1	77
5	A Miniaturized Microstrip Antenna Array at 5G Millimeter-Wave Band. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 1671-1675.	4.0	72
6	Fabrication of a High-Efficiency Waveguide Antenna Array via Direct Metal Laser Sintering. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 622-625.	4.0	71
7	Meta-Surface Antenna Array Decoupling Designs for Two Linear Polarized Antennas Coupled in H-Plane and E-Plane. IEEE Access, 2019, 7, 100442-100452.	4.2	62
8	Highly-Efficient Self-Compact Monopulse Antenna System With Integrated Comparator Network for RF Industrial Applications. IEEE Transactions on Industrial Electronics, 2017, 64, 674-681.	7.9	61
9	A Compact Dual-Band Circularly Polarized Antenna With Wide Axial-Ratio Beamwidth for Vehicle GPS Satellite Navigation Application. IEEE Transactions on Vehicular Technology, 2019, 68, 8683-8692.	6.3	59
10	A Compact Dual Circularly Polarized Microstrip Patch Array With Interlaced Sequentially Rotated Feed. IEEE Transactions on Antennas and Propagation, 2016, 64, 4933-4936.	5.1	54
11	Lightweight Perforated Waveguide Structure Realized by 3-D Printing for RF Applications. IEEE Transactions on Antennas and Propagation, 2017, 65, 3897-3904.	5.1	51
12	A Compact Dual-Band and Dual-Polarized Millimeter-Wave Beam Scanning Antenna Array for 5G Mobile Terminals. IEEE Access, 2021, 9, 109042-109052.	4.2	51
13	Design of a Novel Wideband and Dual-Polarized MagnetoElectric Dipole Antenna. IEEE Transactions on Antennas and Propagation, 2017, 65, 2645-2649.	5.1	48
14	A Lightweight, Wideband, Dual-Circular-Polarized Waveguide Cavity Array Designed With Direct Metal Laser Sintering Considerations. IEEE Transactions on Antennas and Propagation, 2018, 66, 675-682.	5.1	43
15	A 3-D Printed E -Plane Waveguide Magic-T Using Air-Filled Coax-to-Waveguide Transitions. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 4984-4994.	4.6	42
16	Wideband Phase-Gradient Metasurface Antenna With Focused Beams. IEEE Access, 2019, 7, 20767-20772.	4.2	41
17	Monolithically 3-D Printed Hemispherical Resonator Waveguide Filters With Improved Out-of-Band Rejections. IEEE Access, 2018, 6, 57030-57048.	4.2	40
18	Dual-Band Dual-Polarized Waveguide Slot Antenna for SAR Applications. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 1719-1723.	4.0	34

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19	Design of a Compact Wideband Feed Cluster With Dual-Polarized Sum- and Difference-Patterns Implemented via 3-D Metal Printing. IEEE Transactions on Industrial Electronics, 2018, 65, 7353-7362.	7.9	31
20	High-conductive graphene film based antenna array for 5G mobile communications. International Journal of RF and Microwave Computer-Aided Engineering, 2019, 29, e21692.	1.2	31
21	Wideband Dual-Polarized and Dual-Monopulse Compact Array for SAR System Integration Applications. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 1203-1207.	3.1	30
22	An Azimuth-Pattern Reconfigurable Antenna Based on Water Grating Reflector. IEEE Access, 2018, 6, 34804-34811.	4.2	29
23	Bandwidth-Enhanced High-Gain Full-Metal Filtering Slot Antenna Array Using TE₁₀₁ and TE₃₀₁ Cavity Modes. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 1943-1947.	4.0	29
24	Waveguide-Stripline Seriesâ€“Corporate Hybrid Feed Technique for Dual-Polarized Antenna Array Applications. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2017, 7, 81-87.	2.5	28
25	A Dual-Band Millimeter-Wave Antenna for 5G Mobile Applications. , 2019, , .		27
26	Development of a Wideband and High-Efficiency Waveguide-Based Compact Antenna Radiator With Binder-Jetting Technique. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2017, , 1-7.	2.5	26
27	Design of Wideband and Dual Polarized Cavity Antenna Planar Array. IEEE Transactions on Antennas and Propagation, 2016, 64, 4565-4569.	5.1	24
28	A Compact Waveguide Slot Filtering Antenna Based on Mushroom-Type Surface. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 1823-1827.	4.0	24
29	A CPW-Fed Square-Ring Slot Antenna With Reconfigurable Polarization. IEEE Access, 2018, 6, 16474-16483.	4.2	23
30	Package-in-Dielectric Liquid Patch Antenna Based on Liquid Metal Alloy. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 2360-2364.	4.0	21
31	Flexible radiofrequency filters based on highly conductive graphene assembly films. Applied Physics Letters, 2019, 114, .	3.3	21
32	Design of Wideband and High-Gain Slotline Antenna Using Multi-Mode Radiator. IEEE Access, 2019, 7, 54252-54260.	4.2	18
33	A Lightweight 3-D Printed Dual-Band High-Gain Slotted Spherical Antenna. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 552-556.	4.0	18
34	A Compact 16-Way High-Power Combiner Implemented Via 3-D Metal Printing Technique for Advanced Radio-Frequency Electronics System Applications. IEEE Transactions on Industrial Electronics, 2019, 66, 4767-4776.	7.9	17
35	A Wideband Low-Profile All-Metal Cavity Slot Antenna With Filtering Performance for Space-Borne SAR Applications. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 1278-1282.	4.0	15
36	The Design and Manufacturing Process of an Electrolyte-Free Liquid Metal Frequency-Reconfigurable Antenna. Sensors, 2021, 21, 1793.	3.8	14

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37	Millimeter wave phased array antenna based on highly conductive graphene-assembled film for 5G applications. Carbon, 2022, 196, 493-498.	10.3	14
38	A 3D-Printed Hybrid Water Antenna with Tunable Frequency and Beamwidth. Electronics (Switzerland), 2018, 7, 230.	3.1	12
39	Decoupling of Two Strongly Coupled Dual-Band Antennas With Reactively Loaded Dummy Element Array. IEEE Access, 2019, 7, 154672-154682.	4.2	12
40	Design of High-Transmittance All-Dielectric Focusing Metasurface With Polarization-Controllable Focus. IEEE Transactions on Antennas and Propagation, 2020, 68, 6183-6192.	5.1	12
41	Mutual coupling reduction of multiple antenna systems. Frontiers of Information Technology and Electronic Engineering, 2020, 21, 366-376.	2.6	12
42	Wideband Antenna Array With Full Metal Structure and Air-Filled Microstrip Feeding Network. IEEE Transactions on Antennas and Propagation, 2017, 65, 3041-3048.	5.1	11
43	Low-Profile Flexible UHF RFID Tag Design for Wristbands Applications. Wireless Communications and Mobile Computing, 2018, 2018, 1-13.	1.2	11
44	Compact Microstrip NWB/DWB BPFs With Controllable Isolation Bandwidth for Interference Rejection. IEEE Access, 2019, 7, 49169-49176.	4.2	11
45	A Frequency-Reconfigurable Tuner-Loaded Coupled-Fed Frame-Antenna for All-Metal-Shell Handsets. IEEE Access, 2018, 6, 64041-64049.	4.2	10
46	Low Mutual Coupling Design for 5G MIMO Antennas Using Multi-Feed Technology and Its Application on Metal-Rimmed Mobile Phones. IEEE Access, 2021, 9, 151023-151036.	4.2	10
47	Low-profile UHF RFID reader antenna with CP radiation and coupled feeding technique. International Journal of RF and Microwave Computer-Aided Engineering, 2016, 26, 819-828.	1.2	9
48	A compact CPWâ€fed UWB antenna with quadruple rejected bands. Microwave and Optical Technology Letters, 2019, 61, 2795-2800.	1.4	9
49	A Frequency-Reconfigurable Antenna With 1-mm Nonground Portion for Metal-Frame and Full-Display Screen Handset Applications Using Mode Control Method. IEEE Access, 2019, 7, 48037-48045.	4.2	9
50	Coupled meanderâ€line resonators for mutual coupling suppression of microstrip patch antennas. International Journal of RF and Microwave Computer-Aided Engineering, 2021, 31, e22528.	1.2	9
51	An LTCC Interference Cancellation Device for Closely Spaced Antennas Decoupling. IEEE Access, 2018, 6, 68255-68262.	4.2	8
52	Monolithic 3Dâ€printed slotted hemisphere resonator bandpass filter with extended spuriousâ€free stopband. Electronics Letters, 2019, 55, 331-333.	1.0	8
53	A triple-band antenna for MIMO WLAN applications. International Journal of RF and Microwave Computer-Aided Engineering, 2018, 28, e21251.	1.2	7
54	Resonator-Fed Wideband and High-Gain Patch Antenna With Enhanced Selectivity and Reduced Cross-Polarization. IEEE Access, 2019, 7, 49918-49927.	4.2	7

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55	A Gravity-Triggered Liquid Metal Patch Antenna with Reconfigurable Frequency. Micromachines, 2021, 12, 701.	2.9	7
56	Physically symmetric wideband waveguide <scp>T</scp>â€junction with equalâ€phase and unequalâ€power division. Microwave and Optical Technology Letters, 2015, 57, 1216-1219.	1.4	6
57	Design and manufacture of lowpass microstrip filter with high conductivity graphene films. Microwave and Optical Technology Letters, 2019, 61, 972-978.	1.4	6
58	Design of dual mode wideband <scp>SIW</scp> slot antenna for <scp>5G</scp> applications. International Journal of RF and Microwave Computer-Aided Engineering, 2020, 30, e22449.	1.2	6
59	A Ku-Band Wideband 3-D Printed Interdigital Bandpass Filter Free of Post Fabrication Tuning. , 2018, , .		5
60	A Full X-Band Fully 3-D Printed E-Plane Rectangular-Coax-to-Waveguide Transition. , 2019, , .		5
61	Isolation Improvement of Two Tightly Coupled Antennas Operating in Adjacent Frequency Bands Using Filtering Structures. IEEE Open Journal of Antennas and Propagation, 2020, 1, 207-214.	3.7	5
62	Compact differentialâ€fed dualâ€band antenna via loading shorting pin. International Journal of RF and Microwave Computer-Aided Engineering, 2018, 28, e21497.	1.2	4
63	A Wideband Circularly Polarized Cross-Dipole Antenna with Two Asymmetric L-Shaped Strips. , 2019, , .		4
64	Monolithic 3-D Printed Spherical-Resonator-Based Olympic-Topology Bandpass Filters. , 2018, , .		3
65	A Connectorized X-Band 3-D Printed Air-Filled Self-Suspended Rectangular Coaxial Transmission Line. , 2019, , .		3
66	A Low-Profile Millimeter-Wave Circularly-Polarized Multilayer Waveguide Antenna Array for Satellite Communication Application. , 2020, , .		3
67	Slot Loading Effect on the Impedance and Radiation Performance of the TM03-Mode High-Gain Square Patch Antenna. , 2019, , .		2
68	Reconfigurable antenna with loading water fluidic switch. International Journal of RF and Microwave Computer-Aided Engineering, 2020, 30, e22285.	1.2	2
69	<scp>Liquidâ€metalâ€diskâ€loaded</scp> monopole antenna based on <scp>3D</scp> printed technique. International Journal of RF and Microwave Computer-Aided Engineering, 2021, 31, e22359.	1.2	2
70	A compact planar inverted-F antenna with U-shaped strip for all-metal-shell handset application. International Journal of RF and Microwave Computer-Aided Engineering, 2018, 28, e21245.	1.2	1
71	Frequency-Dependent Implicit Space-Mapping Algorithm for Wideband Microwave Prototyping. , 2018, , .		1
72	Recent Progress in Practical Waveguide-Based Antennas and Passive Components With Additive Manufacturing Technology. , 2018, , .		1

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73	Design of a T-Shaped Antenna Based on Characteristic Mode Manipulation for Metal-Framed Handset Application. Electronics (Switzerland), 2018, 7, 209.	3.1	1
74	A Loop Antenna with Coupling Strip and Tuner for All-Metal-Shell Handset Application. , 2018, , .		1
75	Compact CPW-Fed UWB Antenna with Quadruple Band-Notched Characteristics. , 2018, , .		1
76	A Miniaturized Rectangular Circularly-Polarized Loop Antenna for Quadcopter Applications. , 2019, , .		1
77	A Dual-Band High-Gain Slotted Spherical Antenna Radiator. , 2019, , .		1
78	Liquid Waveguide Antenna. , 2019, , .		1
79	A 16 Ã—16 -Element Single-Layer Full-Corporate-Fed SIW Slot Array Antenna. , 2020, , .		1
80	Metasurface-Based Filtering Waveguide. , 2020, , .		1
81	Mixed-Numerology Channel Division for Wireless Avionics Intracommunications. Wireless Communications and Mobile Computing, 2022, 2022, 1-9.	1.2	1
82	Design of a compact CPW-Fed monopole antenna with multiple band-notched characteristics for UWB applications. , 2017, , .		0
83	A compact planar antenna designed for all-metal-shell handset application. , 2017, , .		0
84	Self-diplexed antenna based on loading asymmetric grounding-vias. International Journal of RF and Microwave Computer-Aided Engineering, 2018, 28, e21243.	1.2	0
85	A Compact Wideband Monopulse Feed Cluster Implemented via 3-D Metal Printing. , 2018, , .		0
86	Monolithic Stereolithography 3-D Printed Microwave Passive Waveguide Devices. , 2018, , .		0
87	Self-diplexed antenna based on loading asymmetric grounding-vias. , 2018, , .		0
88	Packaging-in-Dielectric Liquid Patch Antenna. , 2019, , .		0
89	Phase Effect of Orthogonal Modes on 3-dB Axial-Ratio Beamwidth of Circularly-Polarized Patch Antennas. , 2019, , .		0
90	A Metal-Frame Antenna for Mobile Applications. , 2019, , .		0

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91	A Compact Dual-Band Circularly-Polarized Antenna with Wide Axial-Ratio Beamwidth. , 2019, , .		0
92	A Differential-Fed Rectangular Microstrip Patch Antenna with Dual-Band High Gain under Operation of TM01 and TM03 Modes. , 2019, , .		0
93	A Quarter-Wavelength Wideband Bandpass Filter with Two notch Bands. , 2019, , .		0
94	An Efficient Decoupling Technique for WLAN MIMO Antenna Applications. , 2020, , .		0
95	A Regularly 2-D Limited Scan Array with Low Grating Lobes. , 2020, , .		0
96	A Wideband and Simply-Constructed Cavity-Backed Antenna Element with Filtering Response. , 2021, , .		0
97	An Efficient Co-Optimized Approach to Reduce Antenna RCS by Differential Evolution Algorithm. , 2020, , .		0
98	A highâ€precision and fast offâ€line beamforming pattern estimation technique for active phased array antenna application. International Journal of RF and Microwave Computer-Aided Engineering, 0, , .	1.2	0