Teng Li

List of Publications by Year
in descending order

45 papers	1,059 citations	623734 14 h-index	610901 24 g-index
46 all docs	46 docs citations	46 times ranked	828 citing authors

#	Article	IF	Citations
1	A Dual-Band Metasurface Antenna Using Characteristic Mode Analysis. IEEE Transactions on Antennas and Propagation, 2018, 66, 5620-5624.	5.1	166
2	Metasurface-Based Shared-Aperture 5G <inline-formula> <tex-math notation="LaTeX">${S}$ </tex-math> </inline-formula>-/<inline-formula> <tex-math notation="LaTeX">${K}$ </tex-math> </inline-formula>-Band Antenna Using Characteristic Mode Analysis. IEEE Transactions on Antennas and Propagation, 2018, 66, 6742-6750.	5.1	134
3	Shared-Surface Dual-Band Antenna for 5G Applications. IEEE Transactions on Antennas and Propagation, 2020, 68, 1128-1133.	5.1	91
4	Design and Implementation of Dual-Frequency Dual-Polarization Slotted Waveguide Antenna Array for Ka-Band Application. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 1317-1320.	4.0	82
5	Wideband Substrate-Integrated Waveguide-Fed Endfire Metasurface Antenna Array. IEEE Transactions on Antennas and Propagation, 2018, 66, 7032-7040.	5.1	70
6	Characterization of Metasurface Lens Antenna for Sub-6 GHz Dual-Polarization Full-Dimension Massive MIMO and Multibeam Systems. IEEE Transactions on Antennas and Propagation, 2020, 68, 1366-1377.	5.1	69
7	Wideband Sidelobe-Level Reduced Ka -Band Metasurface Antenna Array Fed by Substrate-Integrated Gap Waveguide Using Characteristic Mode Analysis. IEEE Transactions on Antennas and Propagation, 2020, 68, 1356-1365.	5.1	58
8	Compact Wideband Wide-Angle Polarization-Free Metasurface Lens Antenna Array for Multibeam Base Stations. IEEE Transactions on Antennas and Propagation, 2020, 68, 1378-1388.	5.1	44
9	Control of Beam Direction for Substrate-Integrated Waveguide Slot Array Antenna Using Metasurface. IEEE Transactions on Antennas and Propagation, 2018, 66, 2862-2869.	5.1	40
10	Broadband substrateâ€integrated waveguide Tâ€junction with arbitrary powerâ€dividing ratio. Electronics Letters, 2015, 51, 259-260.	1.0	39
11	Broadband rightâ€angle transition from substrateâ€integrated waveguide to rectangular waveguide. Electronics Letters, 2014, 50, 1355-1356.	1.0	27
12	Characteristic Mode-Inspired Advanced Multiple Antennas: Intuitive insight into element-, interelement-, and array levels of compact large arrays and metantennas. IEEE Antennas and Propagation Magazine, 2022, 64, 49-57.	1.4	24
13	Millimetreâ€wave slotted array antenna based on doubleâ€layer substrate integrated waveguide. IET Microwaves, Antennas and Propagation, 2015, 9, 882-888.	1.4	21
14	Ultra-compact, broadband Huygensâ€™ metasurfaces based on induced magnetism. Applied Physics Express, 2019, 12, 072005.	2.4	21
15	Design of low sidelobe slotted waveguide monopulse antenna array. , 2014, , .		17
16	Substrate integrated waveguide slot array antenna covered by circularly polarised array patches. Electronics Letters, 2015, 51, 1634-1635.	1.0	15
17	Design of Dual-Band Metasurface Antenna Array Using Characteristic Mode Analysis (CMA) for 5G Millimeter-Wave Applications. , 2018, , .		15
18	Characteristic Mode Inspired Dual-Polarized Double-Layer Metasurface Lens. IEEE Transactions on Antennas and Propagation, 2021, 69, 3144-3154.	5.1	15

#	Article	IF	Citations
19	A monopulse slot array antenna based on dual-layer substrate integrated waveguide (SIW). , 2016, , .		14
20	Beamsteering for 5G Mobile Communication Using Programmable Metasurface. IEEE Wireless Communications Letters, 2021, 10, 1542-1546.	5.0	14
21	Miniaturized metasurface unit cell for microwave metalens antennas. , 2017, , .		10
22	Design of dual-band metasurface antenna. , 2018, , .		9
23	Broadband transition between substrate integrated waveguide and rectangular waveguide based on ridged steps. IEICE Electronics Express, 2014, 11, 20140434-20140434.	0.8	7
24	Broadband power dividers based on waveguide T-junctions at Ka-band. IEICE Electronics Express, 2016, 13, 20150992-20150992.	0.8	5
25	Substrate integrated waveguide 3ÂdB directional coupler based on airâ€filled vias. Electronics Letters, 2017, 53, 611-613.	1.0	5
26	Design of an Edge Slotted Waveguide Antenna Array Based on T-Shaped Cross-Section Waveguide. International Journal of Antennas and Propagation, 2017, 2017, 1-8.	1.2	5
27	Microwave Metasurface-based Lens Antennas for 5G and Beyond. , 2020, , .		5
28	Simple, compact and broadband right-angle transition between substrate integrated waveguide and rectangular waveguide at Ka-band. International Journal of RF and Microwave Computer-Aided Engineering, 2017, 27, e21080.	1.2	4
29	Design of slotted waveguide antenna array at W band. , 2017, , .		4
30	Ka-band Mechanically Beam Scanning Bifocal Reflectarray Antenna with Optimized Phase Distribution. , 2020, , .		4
31	Microwave Metalens Antennas for 5G Network. , 2021, , .		4
32	A D-Band Corporate-Feed Gap-Cavity Slot Array Antenna Using Virtual PEC Method. IEEE Transactions on Antennas and Propagation, 2022, 70, 7258-7263.	5.1	4
33	A wideband right-angle transition between thin substrate integrated waveguide and rectangular waveguide based on multi-section structure. International Journal of Microwave and Wireless Technologies, 2016, 8, 185-191.	1.9	3
34	A Low-Profile Horn Antenna at Ka-Band. , 2020, , .		3
35	An Open-Ended Rectangular Waveguide Antenna with Metasurface at Ka-band. , 2021, , .		3
36	Design of novel types of Fresnel Diffraction Mirror monopulse antenna. , 2012, , .		2

#	Article	IF	Citations
37	Metantennas: MultiFunctional Metasurface Antennas. , 2019, , .		2
38	Gap-Waveguide Cavity Slot Array Based on Two Metal Layers at 120 GHz. , 2021, , .		2
39	Design of a new waveguide slotted antenna array. , 2015, , .		1
40	Wideband Differentially-Fed Substrate Integrated Waveguide (SIW) Back Cavity Antenna. , 2018, , .		1
41	Generation of bessel beam in millimeter wave band by phase-shifting lens. , 2015, , .		0
42	The properties of beams transmitting through the convex lens. , 2016, , .		0
43	Millimeter-Wave Metantennas for 5G Wireless Communications (Invited). , 2019, , .		0
44	Characteristic Mode Analysis of Split-Dipole for Dual-Layer Metasurface Lens Design. , 2021, , .		0
45	Compact lowâ€profile wideband openâ€ended rectangular waveguide antenna with corrected radiation patterns. International Journal of RF and Microwave Computer-Aided Engineering, 0, , .	1.2	0