Longfang Ye

List of Publications by Year
in descending order

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69	1,506	279487	329751
papers	citations	23 h-index	37 g-index

70	70	70	1063
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Broadband absorber with periodically sinusoidally-patterned graphene layer in terahertz range. Optics Express, 2017, 25, 11223.	1.7	191
2	Switchable and tunable terahertz metamaterial absorber with broadband and multi-band absorption. Optics Express, 2020, 28, 38626.	1.7	79
3	Graphene-based hybrid plasmonic waveguide for highly efficient broadband mid-infrared propagation and modulation. Optics Express, 2018, 26, 15935.	1.7	76
4	Composite graphene-metal microstructures for enhanced multiband absorption covering the entire terahertz range. Carbon, 2019, 148, 317-325.	5.4	69
5	Super Subwavelength Guiding and Rejecting of Terahertz Spoof SPPs Enabled by Planar Plasmonic Waveguides and Notch Filters Based on Spiral-Shaped Units. Journal of Lightwave Technology, 2018, 36, 4988-4994.	2.7	54
6	Electrically Tunable Broadband Terahertz Absorption with Hybrid-Patterned Graphene Metasurfaces. Nanomaterials, 2018, 8, 562.	1.9	54
7	Enhanced spatial near-infrared modulation of graphene-loaded perfect absorbers using plasmonic nanoslits. Optics Express, 2015, 23, 32318.	1.7	53
8	Broadband optical waveguide modulators based on strongly coupled hybrid graphene and metal nanoribbons for near-infrared applications. Nanoscale, 2019, 11, 3229-3239.	2.8	53
9	Near unity ultraviolet absorption in graphene without patterning. Applied Physics Letters, 2018, 112, .	1.5	47
10	Substrate Integrated Plasmonic Waveguide for Microwave Bandpass Filter Applications. IEEE Access, 2019, 7, 75957-75964.	2.6	46
11	Tunable mid-infrared dual-band and broadband cross-polarization converters based on U-shaped graphene metamaterials. Optics Express, 2019, 27, 33826.	1.7	45
12	Spoof Surface Plasmon Polaritons Based on Balanced Coplanar Stripline Waveguides. IEEE Photonics Technology Letters, 2020, 32, 55-58.	1.3	40
13	Strongly Confined Spoof Surface Plasmon Polaritons Waveguiding Enabled by Planar Staggered Plasmonic Waveguides. Scientific Reports, 2016, 6, 38528.	1.6	36
14	Compact Spoof Surface Plasmon Polariton Waveguides and Notch Filters Based on Meander-Strip Units. IEEE Photonics Technology Letters, 2021, 33, 135-138.	1.3	35
15	A Back-Fire to Forward Wide-Angle Beam Steering Leaky-Wave Antenna Based on SSPPs. IEEE Transactions on Antennas and Propagation, 2022, 70, 3237-3247.	3.1	35
16	Independent tuning of double plasmonic waves in a free-standing graphene-spacer-grating-spacer-graphene hybrid slab. Optics Express, 2016, 24, 16961.	1.7	33
17	Plasmonic waveguide with folded stubs for highly confined terahertz propagation and concentration. Optics Express, 2017, 25, 898.	1.7	33
18	Synthesis of Sparse Arrays With Frequency-Invariant-Focused Beam Patterns Under Accurate Sidelobe Control by Iterative Second-Order Cone Programming. IEEE Transactions on Antennas and Propagation, 2015, 63, 5826-5832.	3.1	30

#	Article	IF	Citations
19	High-performance spoof surface plasmon polariton waveguides and splitters based on Greek-cross fractal units. Journal Physics D: Applied Physics, 2020, 53, 235502.	1.3	30
20	Switchable broadband terahertz spatial modulators based on patterned graphene and vanadium dioxide. Optics Express, 2020, 28, 33948.	1.7	30
21	Actively tunable broadband terahertz absorption using periodically square-patterned graphene. Applied Physics Express, 2018, 11, 102201.	1.1	29
22	Bidirectional multi-mode microwave vortex beam generation enabled by spoof surface plasmon polaritons. Applied Physics Letters, 2020, 117, .	1.5	28
23	High-efficient and low-coupling spoof surface plasmon polaritons enabled by V-shaped microstrips. Optics Express, 2019, 27, 22088.	1.7	25
24	Ultraviolet absorption band engineering of graphene by integrated plasmonic structures. Optical Materials Express, 2018, 8, 3295.	1.6	22
25	Frequency-Reconfigurable Wide-Angle Terahertz Absorbers Using Single- and Double-Layer Decussate Graphene Ribbon Arrays. Nanomaterials, 2018, 8, 834.	1.9	20
26	The Efficient Mixed FEM With the Impedance Transmission Boundary Condition for Graphene Plasmonic Waveguides. Journal of Lightwave Technology, 2016, 34, 5363-5370.	2.7	19
27	Adaptive Decoupling Using Tunable Metamaterials. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 2730-2739.	2.9	17
28	Multiple resonant excitations of surface plasmons in a graphene stratified slab by Otto configuration and their independent tuning. Photonics Research, 2017, 5, 377.	3.4	17
29	Modal Proportion Analysis in Antenna Characteristic Mode Theory. International Journal of Antennas and Propagation, 2019, 2019, 1-10.	0.7	16
30	Frequency Reconfigurable Circular Patch Antenna with an Arc-Shaped Slot Ground Controlled by PIN Diodes. International Journal of Antennas and Propagation, 2017, 2017, 1-7.	0.7	15
31	A Reconfigurable Second-Order OAM Patch Antenna With Simple Structure. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 1531-1535.	2.4	15
32	A novel broadband coaxial probe to parallel plate dielectric waveguide transition at THz frequency. Optics Express, 2010, 18, 21725.	1.7	14
33	Spoof surface plasmonic waveguide and its band-rejection filter based on H-shaped slot units. Journal Physics D: Applied Physics, 2019, 52, 365303.	1.3	14
34	Ultra-compact spoof surface plasmon polariton waveguides and notch filters based on double-sided parallel-strip lines. Journal Physics D: Applied Physics, 2020, 53, 265502.	1.3	13
35	Multiparametric Electromagnetic Inversion of 3-D Biaxial Anisotropic Objects Embedded in Layered Uniaxial Media Using VBIM Enhanced by Structural Consistency Constraint. IEEE Transactions on Antennas and Propagation, 2020, 68, 4774-4785.	3.1	13
36	On-chip terahertz bandpass filter based on substrate integrated plasmonic waveguide. Results in Physics, 2021, 27, 104553.	2.0	13

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37	A 200â€“240 GHz Sub-Harmonic Mixer Based on Half-Subdivision and Half-Global Design Method. IEEE Access, 2020, 8, 33461-33470.	2.6	12
38	High-efficiency couplers for graphene surface plasmon polaritons in the mid-infrared region. Optics Letters, 2020, 45, 264.	1.7	12
39	A terahertz broadband 3dB directional coupler based on bridged PPDW. Optics Express, 2011, 19, 18910.	1.7	11
40	Ultra-Wideband Terahertz Absorption Using Dielectric Circular Truncated Cones. IEEE Photonics Journal, 2019, 11, 1-7.	1.0	11
41	Compact Terahertz On-Chip Filter With Broadband Rejection Based on Spoof Surface Plasmon Polaritons. IEEE Electron Device Letters, 2022, 43, 970-973.	2.2	10
42	Broadband high-efficiency near-infrared graphene phase modulators enabled by metalâ€“nanoribbon integrated hybrid plasmonic waveguides. Nanophotonics, 2022, 11, 613-623.	2.9	9
43	High-performance polarization beam splitter based on anisotropic plasmonic nanostructures. Applied Physics B: Lasers and Optics, 2018, 124, 1.	1.1	8
44	Enhancing third-harmonic generation by mirror-induced electric quadrupole resonance in a metalâ€“dielectric nanostructure. Optics Letters, 2020, 45, 5864.	1.7	8
45	A Novel Terahertz Rat-Race Hybrid Coupler Based on PPDW. Journal of Infrared, Millimeter, and Terahertz Waves, 2011, 32, 1291-1298.	1.2	7
46	Simulation of Electromagnetic Scattering of 3-D Inhomogeneous Biaxial Anisotropic Magnetodielectric Objects Embedded in Uniaxial Anisotropic Media by the Mixed-Order BCGS-FFT Method. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 3745-3755.	2.9	7
47	Compact Dual-Polarized Printed Slot Antenna. IEEE Antennas and Wireless Propagation Letters, 2017, , 1-1.	2.4	6
48	High-Efficiency Excitation of Spoof Surface Plasmon Polaritons Through Rectangular Waveguide Using Dipole Antenna. IEEE Transactions on Antennas and Propagation, 2022, 70, 3899-3903.	3.1	6
49	A novel hole drilling method for plate Luneberg lens antenna. , 2014, , .		5
50	Broadband terahertz reflector based on dielectric metamaterials. Europhysics Letters, 2017, 119, 47004.	0.7	5
51	Wideband and high-order microwave vortex-beam launcher based on spoof surface plasmon polaritons. Scientific Reports, 2021, 11, 23272.	1.6	5
52	Frequency reconfigurable circular patch antenna using PIN diodes. , 2016, , .		4
53	A full Ka-band half height waveguide to microstrip transition. , 2015, , .		3
54	A horizontally polarized 360-degree radiation pattern steerable antenna based on active frequency selective surface. , 2015, , .		3

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55	Wideband Patch Antenna With Ground Radiation Mode and Patch Radiation Mode. IEEE Access, 2019, 7, 173358-173365.	2.6	3
56	Tailoring Third Harmonic Generation From Anapole Mode in a Metal-Dielectric Hybrid Nanoantenna. IEEE Photonics Journal, 2021, 13, 1-6.	1.0	3
57	Investigation of Terahertz Wave Propagation Along Parallel-Plate Dielectric Waveguide using Various Metal Conductivity Models. Journal of Electromagnetic Waves and Applications, 2011, 25, 1231-1242.	1.0	2
58	Circular patch microstrip antenna with reconfigurable polarization capability. , 2015, , .		2
59	A low-profile aperture impedance matching technique for TEM planar Luneberg lens. , 2015, , .		2
60	A Windmill-Shaped SSPP Waveguide for High-Efficiency Microwave and Terahertz Propagation. Electronics (Switzerland), 2022, 11, 1293.	1.8	2
61	Dynamic co-polarization decoupling method using tunable resonators. , 2015, , .		1
62	A 650 GHz broadband 3dB coupler using a bridged PPDW. , 2012, , .		0
63	Investigation of Transmission Losses in a Dielectric Slab Waveguide at Terahertz Frequencies. , 2012, , .		0
64	Cost Efficiency Adaptive Antenna System Based on Active Frequency Selective Surface. , 2015, , .		0
65	Reconfigurable antenna design for cognitive radio. , 2016, , .		0
66	Wideband design of sub-arrays in a Q-band partially-corporate fed waveguide slot array. , 2017, , .		0
67	A Graphene-Based Tunable THz Metamaterial Absorber. , 2018, , .		0
68	A Method to Design Arbitrary-Way Multimodal OAM Generator. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 987-991.	2.4	0
69	Manipulating Evanescent Waves in a Gradient Waveguide. Physical Review Applied, 2020, 13, .	1.5	0