

# Lei Zhao

## List of Publications by Year in descending order

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49  
papers

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citations

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docs citations

49  
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	A Novel Broadband Band-pass Filter Based on Spoof Surface Plasmon Polaritons. Scientific Reports, 2016, 6, 36069.	3.3	96
2	An ultra-thin coplanar waveguide filter based on the spoof surface plasmon polaritons. Applied Physics Letters, 2018, 113, .	3.3	47
3	A Wideband Dual-Polarized Omnidirectional Antenna for Base Station/WLAN. IEEE Transactions on Antennas and Propagation, 2018, 66, 81-87.	5.1	41
4	A Band-Pass Filter Based on the Spoof Surface Plasmon Polaritons and CPW-Based Coupling Structure. IEEE Access, 2019, 7, 35089-35096.	4.2	33
5	Splitting spoof surface plasmon polaritons to different directions with high efficiency in ultra-wideband frequencies. Optics Letters, 2019, 44, 3374.	3.3	33
6	Wide-Angle Frequency Beam Scanning Antenna Based on the Higher-Order Modes of Spoof Surface Plasmon Polariton. IEEE Transactions on Antennas and Propagation, 2020, 68, 7652-7657.	5.1	29
7	A High Efficiency Band-Pass Filter Based on CPW and Quasi-Spoof Surface Plasmon Polaritons. IEEE Access, 2020, 8, 4311-4317.	4.2	25
8	A Wideband Dual-Polarized Omnidirectional Antenna for 5G/WLAN. IEEE Access, 2019, 7, 14266-14272.	4.2	24
9	A General Scheme for the Discontinuous Galerkin Time-Domain Modeling and S-Parameter Extraction of Inhomogeneous Waveports. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 1701-1712.	4.6	23
10	New Development of Parallel Conformal FDTD Method in Computational Electromagnetics Engineering. IEEE Antennas and Propagation Magazine, 2011, 53, 15-41.	1.4	20
11	Band-stop filter based on spoof surface plasmon polaritons. Electronics Letters, 2019, 55, 607-609.	1.0	18
12	UWB 90° phase shifter based on broadside coupler and T-shaped stub. Electronics Letters, 2016, 52, 2048-2050.	1.0	16
13	Wideband Dual-Polarized Antenna For Spectrum Monitoring Systems. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 2236-2239.	4.0	16
14	A Fast Waveguide Port Parameter Extraction Technique for the DGTD Method. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 2659-2662.	4.0	16
15	Super-resolution imaging of dielectric objects using a slab of left-handed material. Applied Physics Letters, 2006, 89, 141904.	3.3	14
16	An analysis for a high-order difference scheme for numerical solution $t_{out} = A(x, t)u_{xx} + F(x, t, u)$ . T. J. ETQq0 0 0 rgBT/Overlock 10 Tf 50 1	3.6	13
17	A Band-Pass Filter Based on Half-Mode Substrate Integrated Waveguide and Spoof Surface Plasmon Polaritons. Scientific Reports, 2019, 9, 13429.	3.3	13
18	AN EFFICIENT ALGORITHM FOR EM SCATTERING BY ELECTRICALLY LARGE DIELECTRIC OBJECTS USING MR-QEB ITERATIVE SCHEME AND CG-FFT METHOD. Progress in Electromagnetics Research, 2007, 67, 341-355.	4.4	12

#	ARTICLE	IF	CITATIONS
19	A New High-Resolution Electromagnetic Human Head Model: A useful resource for a new specific-absorption-rate assessment model.. IEEE Antennas and Propagation Magazine, 2016, 58, 32-42.	1.4	12
20	A compact leaky-wave antenna using a planar spoof surface plasmon polariton structure. International Journal of RF and Microwave Computer-Aided Engineering, 2019, 29, e21617.	1.2	11
21	Broadband Vortex Beams Generation With Narrow Divergence Angle Using Polarization Insensitive Metasurface. IEEE Access, 2020, 8, 218062-218068.	4.2	11
22	GPU ACCELERATED DISCONTINUOUS GALERKIN TIME DOMAIN ALGORITHM FOR ELECTROMAGNETIC PROBLEMS OF ELECTRICALLY LARGE OBJECTS. Progress in Electromagnetics Research B, 2016, 67, 137-151.	1.0	10
23	Enhancement of specific absorption rate in lossy dielectric objects using a slab of left-handed material. Physical Review E, 2005, 72, 061911.	2.1	9
24	A Terahertz Band-Pass Filter Based on Coplanar-Waveguide and Spoof Surface Plasmon Polaritons. IEEE Photonics Technology Letters, 2022, 34, 375-378.	2.5	9
25	A HYBRID NFM/MOM FULL-WAVE ANALYSIS OF LAYERED PROLATE HEAD MODEL EXPOSED TO HANDSET ANTENNA. Progress in Electromagnetics Research, 2012, 123, 205-225.	4.4	7
26	Optimal Deployment of Antenna for Field Coverage in Coal Mine Tunnels. IEEE Access, 2020, 8, 51954-51963.	4.2	7
27	Textile Fixed-Frequency Pattern-Reconfigurable Coupled-Mode Substrate-Integrated Cavity Antenna. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 1916-1919.	4.0	7
28	Design and simulations of a new biaxial silicon resonant micro-accelerometer. Microsystem Technologies, 2016, 22, 2829-2834.	2.0	6
29	A Novel Acceleration Method for DGTD Algorithm on Sunway TaihuLight. , 2018, , .		6
30	Parallel DGTD method for transient electromagnetic problems. , 2018, , .		6
31	An Ultraminiaturized Dual-Stopband Frequency Selective Surface for Ultra High Frequency. IEEE Access, 2020, 8, 44830-44835.	4.2	5
32	CG-FFT algorithm for EM scattering by small dielectric particles with high permittivity and permeability. Microwave and Optical Technology Letters, 2007, 49, 305-310.	1.4	4
33	Design and verification of a broadband highly-efficient plasmonic circulator*. Chinese Physics B, 2021, 30, 034102.	1.4	4
34	Integrated Hybrid Antenna Based on Spoof Surface Plasmon Polaritons. IEEE Access, 2021, 9, 10797-10804.	4.2	3
35	A Power Divider Based on the Spoof Surface Plasmon Polaritons. , 2019, , .		2
36	A Low-Profile Miniaturized Muti-Band Second-Order Frequency Selective Surface. , 2019, , .		2

#	ARTICLE	IF	CITATIONS
37	Localized Plasmonic Vortex Printing Technology Based on the Metaparticle and Spoof Surface Plasmon Polaritons. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2021, 218, 2000708.	1.8	2
38	A Novel Differential Microstrip Line Based on Spoof Surface Plasmon Polaritons. , 2020, , .		2
39	High Efficiency Miniaturized Spoof Plasmonic Waveguide Filter from Direct Current to Millimeter Wave Frequency. <i>Advanced Photonics Research</i> , 2022, 3, 2100205.	3.6	2
40	Effects of dielectric values of human eye models on specific absorption rate following rf exposure. , 2013, , .		1
41	Performance study of AVX instructions for the FDTD method. , 2013, , .		1
42	A Low Complexity Anti-Collision Algorithm for RFID Using Query Tree. , 2018, , .		1
43	A Band-Stop Plasmonic Filter Based on Spoof Surface Plasmon Polaritons. , 2019, , .		1
44	An Efficient Algorithm for EM Scattering from Anatomically Realistic Human Head Model Using Parallel CG-FFT Method. <i>International Journal of Antennas and Propagation</i> , 2014, 2014, 1-8.	1.2	0
45	Ground plane effects on SAR for human head model exposed to a dual-band PIFA. , 2015, , .		0
46	Numerical dispersion analysis of energy conserved splitting FDTD method for Maxwell's equations. , 2016, , .		0
47	DGTD method for SAR evaluation in a human head model exposed to a wideband antenna. , 2017, , .		0
48	A New Design for Spoof Surface Plasmon Polaritons Using Periodic Holes Etched on the Stripline. , 2018, , .		0
49	FDTD Acceleration Techniques on Multi-Level Parallel Structure System. , 2019, , .		0