Yafeng Li

List of Publications by Year in descending order

58 papers	298 citations	1040056 9 h-index	996975 15 g-index
58 all docs	58 docs citations	58 times ranked	347 citing authors

#	Article	IF	Citations
1	The 50 nm-thick yttrium iron garnet films with perpendicular magnetic anisotropy. Chinese Physics B, 2022, 31, 048503.	1.4	6
2	Measuring spin pumping induced inverse spin Hall effect using an air-substrate micro-strip waveguide device. Journal of Magnetism and Magnetic Materials, 2022, 560, 169600.	2.3	1
3	Correction of Complex Permittivity Inversion in Free-Space Gaussian Beam Reflection Model. IEEE Transactions on Antennas and Propagation, 2021, 69, 6712-6722.	5.1	6
4	Spin-Wave Linewidth Measurement of Microwave Gyromagnetic Materials in a Low RF Power. IEEE Sensors Journal, 2021, 21, 23362-23369.	4.7	1
5	Influence of High-Enthalpy Atmospheric Plasma Spraying Process Parameters on Microwave Dielectric Properties of Y2O3 Coatings. Journal of Thermal Spray Technology, 2021, 30, 898-906.	3.1	4
6	Separation and extraction of non-thermal effects of strong microwave electric field on dielectric properties of materials based on time modulation and cavity perturbation method. Review of Scientific Instruments, 2021, 92, 024712.	1.3	4
7	Breakthrough the communication bottleneck between sky and underwater. AIP Advances, 2021, 11, .	1.3	6
8	Permittivity Measurement of the Dielectric Material at the Off-Axis Position in a Cylindrical Cavity. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 1711-1722.	4.6	7
9	A procedure and device for determining complex material permittivity using the free-space resonance method. Review of Scientific Instruments, 2021, 92, 035104.	1.3	1
10	Application of time-domain gating technique in water content measurement of gasâ€“liquid two-phase flow. Review of Scientific Instruments, 2021, 92, 094702.	1.3	4
11	An Improved Cavity-Perturbation Approach for Simultaneously Measuring the Permittivity and Permeability of Magneto-Dielectric Materials in Sub-6G. IEEE Access, 2021, 9, 14807-14815.	4.2	7
12	Measurement of optical signal by Microwave Coaxial resonator. , 2021, , .		3
13	Research on Open Resonator at 35 GHz for Plasma Diagnosis. , 2021, , .		0
14	A new type of high-performance W-band waveguide fin-line band-pass filter. , 2021, , .		0
15	Broadband complex permittivity measurements of nematic liquid crystals based on cavity perturbation method. Liquid Crystals, 2020, 47, 89-98.	2.2	11
16	Microwave Characteristics Analysis of Typical Photosensitive Material InP Under Weak Light Irradiation Based on Quasi-Optical Resonator. Electronic Materials Letters, 2020, 16, 131-139.	2.2	0
17	A Novel Way to Design SRR Rectenna Based on Semiconductor Substrate. , 2020, , .		0
18	Microwave measurement technology of optical signal based on the helical antenna. , 2020, , .		0

#	Article	IF	Citations
19	Electromagnetic Parameters Measurement of Sheet Using Separate Microstrip Line. Journal of Electronic Testing: Theory and Applications (JETTA), 2019, 35, 567-572.	1.2	1
20	A modified test fixture using parallel strips for measuring attenuation of the dielectric rod. , 2019, , .		0
21	Microwave performance measurement of InP powder under light irradiation. , 2019, , .		0
22	Measurement of Dielectric Constants of Liquid Crystals Using Double-Ridged Waveguide Cavity. , 2019, , .		0
23	Evolution and Analysis of Dielectric Properties of Typical Materials Under Strong Microwave Field. IEEE Access, 2019, 7, 180316-180323.	4.2	3
24	Evaluation of the dielectric rod attenuation using the modified parallel strips that provide a relatively reasonable field environment. AIP Advances, 2019, 9, 125007.	1.3	0
25	A modified dielectric rod resonator with a purer mode distribution based on multiâ€gap on the substrate. Microwave and Optical Technology Letters, 2019, 61, 985-989.	1.4	0
26	A broadband variable-temperature test system for complex permittivity measurements of solid and powder materials. Review of Scientific Instruments, 2018, 89, 024701.	1.3	25
27	Rapid location and online detection of plate material defects with multi-row crossed antenna pairs in the case of material movement. Journal of Electromagnetic Waves and Applications, 2018, 32, 913-926.	1.6	4
28	A directivity enhanced structure for the Vivaldi antenna using coupling patches. Microwave and Optical Technology Letters, 2018, 60, 418-424.	1.4	10
29	A Helix-loaded Equiangular Spiral Antenna with Compact Structure. , 2018, , .		0
30	A Correction for Free-space Method by Considering Dispersion of Gaussian Beam. , 2018, , .		0
31	Nonlinear dielectric property of InP under strong microwave field. AIP Advances, 2018, 8, 105229.	1.3	1
32	Attenuation measurement of the dielectric rod using parallel strips with a resonable field environment. , 2018, , .		1
33	Measurement of nonlinear dielectric behaviour of semiconductor material under microwave field. , 2018, , .		0
34	Compact CPWâ€fed ultraâ€wideband printed antennas with controllable notch characteristics. Microwave and Optical Technology Letters, 2018, 60, 2824-2830.	1.4	4
35	Ultra-Wideband Variable Temperature Measurement System for Complex Permeability of Magnetic Thin Film Fe₆₆Co₁₇B₁₆Si₁. IEEE Transactions on Magnetics, 2018, 54, 1-7.	2.1	2
36	Experimental Investigation on the Interaction Mechanism Between Microwave Field and Semiconductor Material. IEEE Access, 2018, 6, 41921-41927.	4.2	5

#	Article	IF	Citations
37	Novel ultra-wideband test fixture and method for attenuation of the attenuator-coated dielectric support rod in a helical slow-wave structure. Review of Scientific Instruments, 2018, 89, 084708.	1.3	3
38	Measurement of Nonlinear Dielectric Behaviour of Semiconductor Material Under Microwave Field in Dual-Mode Rectangular Cavity. Journal of Electronic Testing: Theory and Applications (JETTA), 2018, 34, 203-207.	1.2	2
39	Surface-Wave Coupling and Antenna Properties in Two Dimensions. IEEE Transactions on Antennas and Propagation, 2017, 65, 5052-5060.	5.1	28
40	Miniaturized vivaldi antenna based on low frequency resonance for WLAN application. , 2017, , .		1
41	Dielectric characterization in 3mm band by open resonator. , 2017, , .		0
42	Electromagnetic parameters measurement of magnetic thin film materials. , 2017, , .		0
43	Dielectric characterisation of small samples using broadband coaxial cavity. Electronics Letters, 2017, 53, 1316-1318.	1.0	11
44	Extending design space of continuous inverse classâ€FJ mode PAs. Electronics Letters, 2016, 52, 1782-1784.	1.0	0
45	Ultrabroadband Design for Linear Polarization Conversion and Asymmetric Transmission Crossing X- and K- Band. Scientific Reports, 2016, 6, 33826.	3.3	49
46	Effect of contact resistance of passive intermodulation distortion in microstrip lines. , 2016, , .		0
47	Ridged Horn Antenna With Adjustable Metallic Grid Sidewalls and Cross-Shaped Back Cavity. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 1221-1225.	4.0	19
48	Modification of enhanced distorted Born iterative method for the 2D inverse problem. IET Microwaves, Antennas and Propagation, 2016, 10, 1036-1042.	1.4	4
49	Analysis and measurement of radiant wavelength of microwave focused lenses. , 2015, , .		0
50	A shielding effectiveness test system based on microstrip line. , 2015, , .		1
51	An estimate of the error caused by the elongation of the wavelength in a focused beam in free-space electromagnetic parameters measurement. Review of Scientific Instruments, 2014, 85, 094702.	1.3	13
52	Design of X-band H-plane waveguide Y-junction circulator. , 2012, , .		10
53	An ultra-broadband 3-dB power divider. , 2012, , .		8
54	Microstrip power divider with capacitive stubs loading for miniaturisation and harmonic suppression. , 2011, , .		3

#	Article	IF	Citations
55	Design of Millimeter Wave Wideband Transition From Double-ridge Waveguide to Coaxial Line. Journal of Infrared, Millimeter, and Terahertz Waves, 2011, 32, 26-33.	2.2	17
56	On-line monitoring technology for high-power amplifier. , 2010, , .		1
57	Design of a wideband transition from double-ridge waveguide to microstrip line. , 2010, , .		10
58	Measurement of Complex Permittivity of Dielectrics at High Temperatures by Using Cylindrical Cavity. , 2008, , .		1