

# Yafeng Li

## List of Publications by Year in descending order

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58  
papers

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citations

1040056

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15  
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58  
docs citations

58  
times ranked

347  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrabroadband Design for Linear Polarization Conversion and Asymmetric Transmission Crossing X- and K- Band. Scientific Reports, 2016, 6, 33826.	3.3	49
2	Surface-Wave Coupling and Antenna Properties in Two Dimensions. IEEE Transactions on Antennas and Propagation, 2017, 65, 5052-5060.	5.1	28
3	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
4	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
5	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
6	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
7	Dielectric characterisation of small samples using broadband coaxial cavity. Electronics Letters, 2017, 53, 1316-1318.	1.0	11
8	Broadband complex permittivity measurements of nematic liquid crystals based on cavity perturbation method. Liquid Crystals, 2020, 47, 89-98.	2.2	11
9	Design of a wideband transition from double-ridge waveguide to microstrip line. , 2010, , .		10
10	Design of X-band H-plane waveguide Y-junction circulator. , 2012, , .		10
11	A directivity enhanced structure for the Vivaldi antenna using coupling patches. Microwave and Optical Technology Letters, 2018, 60, 418-424.	1.4	10
12	An ultra-broadband 3-dB power divider. , 2012, , .		8
13	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
14	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
15	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
16	Breakthrough the communication bottleneck between sky and underwater. AIP Advances, 2021, 11, .	1.3	6
17	The 50 nm-thick yttrium iron garnet films with perpendicular magnetic anisotropy. Chinese Physics B, 2022, 31, 048503.	1.4	6
18	Experimental Investigation on the Interaction Mechanism Between Microwave Field and Semiconductor Material. IEEE Access, 2018, 6, 41921-41927.	4.2	5

#	ARTICLE	IF	CITATIONS
19	Rapid location and online detection of plate material defects with multi-row crossed antenna pairs in the case of material movement. <i>Journal of Electromagnetic Waves and Applications</i> , 2018, 32, 913-926.	1.6	4
20	Compact CPW-fed ultra-wideband printed antennas with controllable notch characteristics. <i>Microwave and Optical Technology Letters</i> , 2018, 60, 2824-2830.	1.4	4
21	Influence of High-Enthalpy Atmospheric Plasma Spraying Process Parameters on Microwave Dielectric Properties of Y2O3 Coatings. <i>Journal of Thermal Spray Technology</i> , 2021, 30, 898-906.	3.1	4
22	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. <i>Review of Scientific Instruments</i> , 2021, 92, 024712.	1.3	4
23	Application of time-domain gating technique in water content measurement of gas-liquid two-phase flow. <i>Review of Scientific Instruments</i> , 2021, 92, 094702.	1.3	4
24	Modification of enhanced distorted Born iterative method for the 2D inverse problem. <i>IET Microwaves, Antennas and Propagation</i> , 2016, 10, 1036-1042.	1.4	4
25	Microstrip power divider with capacitive stubs loading for miniaturisation and harmonic suppression. , 2011, , .		3
26	Novel ultra-wideband test fixture and method for attenuation of the attenuator-coated dielectric support rod in a helical slow-wave structure. <i>Review of Scientific Instruments</i> , 2018, 89, 084708.	1.3	3
27	Evolution and Analysis of Dielectric Properties of Typical Materials Under Strong Microwave Field. <i>IEEE Access</i> , 2019, 7, 180316-180323.	4.2	3
28	Measurement of optical signal by Microwave Coaxial resonator. , 2021, , .		3
29	Ultra-Wideband Variable Temperature Measurement System for Complex Permeability of Magnetic Thin Film $\text{Fe}_{66}\text{Co}_{17}\text{B}_{16}\text{Si}_1$ . <i>IEEE Transactions on Magnetics</i> , 2018, 54, 1-7.	2.1	2
30	Measurement of Nonlinear Dielectric Behaviour of Semiconductor Material Under Microwave Field in Dual-Mode Rectangular Cavity. <i>Journal of Electronic Testing: Theory and Applications (JETTA)</i> , 2018, 34, 203-207.	1.2	2
31	Measurement of Complex Permittivity of Dielectrics at High Temperatures by Using Cylindrical Cavity. , 2008, , .		1
32	On-line monitoring technology for high-power amplifier. , 2010, , .		1
33	A shielding effectiveness test system based on microstrip line. , 2015, , .		1
34	Miniaturized vivaldi antenna based on low frequency resonance for WLAN application. , 2017, , .		1
35	Nonlinear dielectric property of InP under strong microwave field. <i>AIP Advances</i> , 2018, 8, 105229.	1.3	1
36	Attenuation measurement of the dielectric rod using parallel strips with a reasonable field environment. , 2018, , .		1

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37	Electromagnetic Parameters Measurement of Sheet Using Separate Microstrip Line. Journal of Electronic Testing: Theory and Applications (JETTA), 2019, 35, 567-572.	1.2	1
38	Spin-Wave Linewidth Measurement of Microwave Gyromagnetic Materials in a Low RF Power. IEEE Sensors Journal, 2021, 21, 23362-23369.	4.7	1
39	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
40	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
41	Analysis and measurement of radiant wavelength of microwave focused lenses. , 2015, , .		0
42	Extending design space of continuous inverse class- $\epsilon$ mode PAs. Electronics Letters, 2016, 52, 1782-1784.	1.0	0
43	Effect of contact resistance of passive intermodulation distortion in microstrip lines. , 2016, , .		0
44	Dielectric characterization in 3mm band by open resonator. , 2017, , .		0
45	Electromagnetic parameters measurement of magnetic thin film materials. , 2017, , .		0
46	A Helix-loaded Equiangular Spiral Antenna with Compact Structure. , 2018, , .		0
47	A Correction for Free-space Method by Considering Dispersion of Gaussian Beam. , 2018, , .		0
48	Measurement of nonlinear dielectric behaviour of semiconductor material under microwave field. , 2018, , .		0
49	A modified test fixture using parallel strips for measuring attenuation of the dielectric rod. , 2019, , .		0
50	Microwave performance measurement of InP powder under light irradiation. , 2019, , .		0
51	Measurement of Dielectric Constants of Liquid Crystals Using Double-Ridged Waveguide Cavity. , 2019, , .		0
52	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
53	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
54	A modified dielectric rod resonator with a purer mode distribution based on multi-gap on the substrate. Microwave and Optical Technology Letters, 2019, 61, 985-989.	1.4	0

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55	A Novel Way to Design SRR Rectenna Based on Semiconductor Substrate. , 2020, , .		0
56	Microwave measurement technology of optical signal based on the helical antenna. , 2020, , .		0
57	Research on Open Resonator at 35 GHz for Plasma Diagnosis. , 2021, , .		0
58	A new type of high-performance W-band waveguide fin-line band-pass filter. , 2021, , .		0