

# Yifei Zhang

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Broadband SIW-to-Waveguide Transition in Multilayer LCP Substrates at W-Band. IEEE Microwave and Wireless Components Letters, 2017, 27, 224-226.	3.2	26
2	Optically Driven Ultrawideband Phased Array With an Optical Interleaving Feed Network. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 47-50.	4.0	20
3	Ultrawideband Optically Fed Tightly Coupled Phased Array. Journal of Lightwave Technology, 2015, 33, 4781-4790.	4.6	18
4	Conformal Wideband Optically Addressed Transmitting Phased Array With Photonic Receiver. Journal of Lightwave Technology, 2014, 32, 3468-3477.	4.6	17
5	Substrate integrated waveguide filter on LCP substrate at 94 GHz. Microwave and Optical Technology Letters, 2016, 58, 577-580.	1.4	16
6	Slot-Coupled Directional Filters in Multilayer LCP Substrates at 95 GHz. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 476-483.	4.6	16
7	Flexible Liquid Crystal Polymer Technologies from Microwave to Terahertz Frequencies. Molecules, 2022, 27, 1336.	3.8	16
8	High-Gain Linearly Tapered Antipodal Slot Antenna on LCP Substrate at E- and W-Bands. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 1357-1360.	4.0	15
9	95-GHz Front-End Receiving Multichip Module on Multilayer LCP Substrate for Passive Millimeter-Wave Imaging. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2018, 8, 2180-2189.	2.5	14
10	Schottky-barrier thin-film transistors based on HfO <sub>2</sub> -capped InSe. Applied Physics Letters, 2019, 115, .	3.3	13
11	Tunable Surface Plasmon Polaritons with Monolithic Schottky Diodes. ACS Applied Electronic Materials, 2019, 1, 2124-2129.	4.3	13
12	Ultra-Wideband Vialess Microstrip Line-to-Stripline Transition in Multilayer LCP Substrate for $\theta$ - and $\phi$ -Band Applications. IEEE Microwave and Wireless Components Letters, 2017, 27, 1101-1103.	3.2	12
13	Active Modulation of an All-Dielectric Metasurface Analogue of Electromagnetically Induced Transparency in Terahertz. ACS Omega, 2021, 6, 4480-4484.	3.5	12
14	Active metal-graphene hybrid terahertz surface plasmon polaritons. Nanophotonics, 2022, 11, 3331-3338.	6.0	11
15	Packaging of High-Gain Multichip Module in Multilayer LCP Substrates at $\theta$ -Band. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2017, 7, 1655-1662.	2.5	10
16	Multilayer liquid crystal polymer based RF frontend module for millimeter wave imaging. , 2014, , .		9
17	Ultrawide band CBCPW to stripline vertical transition in multilayer LCP substrates. Microwave and Optical Technology Letters, 2015, 57, 1481-1484.	1.4	9
18	Ka-band phased patch array antenna integrated with a PET-controlled phase shifter. International Journal of RF and Microwave Computer-Aided Engineering, 2016, 26, 199-208.	1.2	9

#	ARTICLE	IF	CITATIONS
19	Active terahertz metamaterials electrically modulated by InGaZnO Schottky diodes. Optical Materials Express, 2021, 11, 2966.	3.0	9
20	Label-free diagnosis of ovarian cancer using spoof surface plasmon polariton resonant biosensor. Sensors and Actuators B: Chemical, 2022, 352, 130996.	7.8	9
21	Ultra-Wideband Microstrip Line-to-Microstrip Line Transition in Multilayer LCP Substrate at Millimeter-Wave Frequencies. IEEE Microwave and Wireless Components Letters, 2017, 27, 873-875.	3.2	7
22	Spoof surface plasmon polariton band-stop filter with single-loop split ring resonators. International Journal of RF and Microwave Computer-Aided Engineering, 2020, 30, e22267.	1.2	7
23	Electromagnetically induced transparency analog in terahertz hybrid metal-dielectric metamaterials. AIP Advances, 2021, 11, .	1.3	7
24	Multi frequency multi bit amplitude modulation of spoof surface plasmon polaritons by schottky diode bridged interdigital SRRs. Scientific Reports, 2021, 11, 19181.	3.3	7
25	Video rate passive millimeter-wave imager utilizing optical upconversion with improved size, weight, and power. Proceedings of SPIE, 2015, , .	0.8	5
26	Manipulating Optical Absorption of Indium Selenide Using Plasmonic Nanoparticles. ACS Omega, 2020, 5, 3000-3005.	3.5	5
27	Solution-Processed TiO <sub>2</sub> -Based Schottky Diodes With a Large Barrier Height. IEEE Electron Device Letters, 2019, 40, 1378-1381.	3.9	4
28	Semidry release of nanomembranes for tubular origami. Applied Physics Letters, 2020, 117, 113106.	3.3	4
29	Conformal ultra-wideband optically addressed transmitting phased array and photonic receiver systems. , 2013, , .		3
30	Slot-coupled waveguide-to-microstrip transition and waveguide-fed patch antenna at E-band. , 2013, , .		3
31	Frequency Division Multiplexer With Directional Filters in Multilayer LCP Films at - and -Band. IEEE Microwave and Wireless Components Letters, 2022, 32, 1287-1290.	3.2	3
32	Module integration and amplifier design optimization for optically enabled passive millimeter-wave imaging. Proceedings of SPIE, 2016, , .	0.8	2
33	High-Q Fano Resonance in Subwavelength Stub-Wall-Coupled MDM Waveguide Structure and Its Terahertz Sensing Application. IEEE Access, 2021, 9, 123939-123949.	4.2	2
34	Ka-band phased patch antenna array. , 2012, , .		1
35	A unipolar nano-diode detector with improved performance using the high-k material SiN <sub>x</sub> . Semiconductor Science and Technology, 2018, 33, 114016.	2.0	1
36	Reconfigurable Spoof Surface Plasmon Polariton Band-stop Filter with Monolithic Schottky Diodes. , 2019, , .		1

#	ARTICLE	IF	CITATIONS
37	Ultra-wideband optically addressed transmitting phased array. , 2013, , .		0
38	Vertical transitions between transmission lines and waveguides in multilayer liquid crystal polymer (LCP) substrates. , 2014, , .		0
39	Two-terminal InGaAs microwave amplifier. Microwave and Optical Technology Letters, 2018, 60, 1884-1888.	1.4	0