

# Yang Shen

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

26

papers

492

citations

13

h-index

22

g-index

30

ext. papers

622

ext. citations

3.2

avg. IF

3.69

L-index

#	Paper	IF	Citations
26	Planar multi-angle retro-reflectors based on the wave-vector-reversion of spoof surface plasmon polaritons. <i>Optics Express</i> , <b>2020</b> , 28, 37236-37248	3.3	1
25	A Broadband Wide-Angle Synthetical Absorber Designed by Topology Optimization of Resistance Surface and Metal Wires. <i>IEEE Access</i> , <b>2019</b> , 7, 142675-142681	3.5	14
24	Plasmonic absorbing structure using horizontal bent-wire array for low-frequency absorption enhancement. <i>Optics Communications</i> , <b>2019</b> , 443, 90-95	2	5
23	Overcoming the Pixel-Density Limit in Plasmonic Absorbing Structure for Broadband Absorption Enhancement. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2019</b> , 18, 674-678	3.8	5
22	Spin-to-Orbital Angular Momentum Conversion with Quasi-Continuous Spatial Phase Response. <i>Advanced Optical Materials</i> , <b>2019</b> , 7, 1901188	8.1	22
21	Multistage dispersion engineering in a three-dimensional plasmonic structure for outstanding broadband absorption. <i>Optical Materials Express</i> , <b>2019</b> , 9, 1539	2.6	6
20	Synthetical dispersion engineering in plasmonic metamaterial absorber for broadband absorption enhancement. <i>Journal Physics D: Applied Physics</i> , <b>2019</b> , 52, 085103	3	7
19	Water-based metamaterial absorbers for optical transparency and broadband microwave absorption. <i>Journal of Applied Physics</i> , <b>2018</b> , 123, 155106	2.5	55
18	Thermally Tunable Ultra-wideband Metamaterial Absorbers based on Three-dimensional Water-substrate construction. <i>Scientific Reports</i> , <b>2018</b> , 8, 4423	4.9	25
17	Tailoring multi-order absorptions of a Salisbury screen based on dispersion engineering of spoof surface plasmon polariton. <i>Journal Physics D: Applied Physics</i> , <b>2018</b> , 51, 315103	3	5
16	Transparent broadband metamaterial absorber enhanced by water-substrate incorporation. <i>Optics Express</i> , <b>2018</b> , 26, 15665-15674	3.3	62
15	Three-Dimensional Resistive Metamaterial Absorber Loaded with Metallic Resonators for the Enhancement of Lower-Frequency Absorption. <i>Materials</i> , <b>2018</b> , 11,	3.5	10
14	Hyperbolic Metasurface at Microwave Frequency for Spoof Surface Plasmon Polaritons <b>2018</b> ,		1
13	Integrating absorber with non-planar plasmonic structure for k-vector matching absorption enhancement. <i>Journal of Applied Physics</i> , <b>2018</b> , 124, 225101	2.5	13
12	Transparent absorption-diffusion-integrated water-based all-dielectric metasurface for broadband backward scattering reduction. <i>Journal Physics D: Applied Physics</i> , <b>2018</b> , 51, 485301	3	12
11	Transparent and broadband absorption-diffusion-integrated low-scattering metamaterial by standing-up lattice. <i>Optics Express</i> , <b>2018</b> , 26, 28363-28375	3.3	20
10	Merging absorption bands of plasmonic structures via dispersion engineering. <i>Applied Physics Letters</i> , <b>2018</b> , 112, 254103	3.4	27

9	Wideband, wide-angle coding phase gradient metasurfaces based on Pancharatnam-Berry phase. <i>Scientific Reports</i> , <b>2017</b> , 7,	4.9	78
8	Broadband reflectionless metamaterials with customizable absorption/transmission-integrated performance. <i>Applied Physics A: Materials Science and Processing</i> , <b>2017</b> , 123, 1	2.6	18
7	Directional broadband absorption using three-dimensional metamaterials <b>2016</b> ,		1
6	Mechanically tunable metamaterials for larger incident absorption <b>2016</b> ,		3
5	An extremely wideband and lightweight metamaterial absorber. <i>Journal of Applied Physics</i> , <b>2015</b> , 117, 224503	2.5	44
4	Ultrabroadband Terahertz Absorption by Uniaxial Anisotropic Nanowire Metamaterials. <i>IEEE Photonics Technology Letters</i> , <b>2015</b> , 27, 2284-2287	2.2	13
3	Phase random metasurfaces for broadband wide-angle radar cross section reduction. <i>Microwave and Optical Technology Letters</i> , <b>2015</b> , 57, 2813-2819	1.2	13
2	Double-layer resistive FSS structure for ultra-wideband microwave absorption <b>2015</b> ,		1
1	Origami-inspired metamaterial absorbers for improving the larger-incident angle absorption. <i>Journal Physics D: Applied Physics</i> , <b>2015</b> , 48, 445008	3	31