Yang Shen

List of Publications by Citations

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	Wideband, wide-angle coding phase gradient metasurfaces based on Pancharatnam-Berry phase. *Scientific Reports*, **2017**, 7,	4.9	78
25	Transparent broadband metamaterial absorber enhanced by water-substrate incorporation. *Optics Express*, **2018**, 26, 15665-15674	3.3	62
24	Water-based metamaterial absorbers for optical transparency and broadband microwave absorption. *Journal of Applied Physics*, **2018**, 123, 155106	2.5	55
23	An extremely wideband and lightweight metamaterial absorber. *Journal of Applied Physics*, **2015**, 117, 224503	2.5	44
22	Origami-inspired metamaterial absorbers for improving the larger-incident angle absorption. *Journal Physics D: Applied Physics*, **2015**, 48, 445008	3	31
21	Merging absorption bands of plasmonic structures via dispersion engineering. *Applied Physics Letters*, **2018**, 112, 254103	3.4	27
20	Thermally Tunable Ultra-wideband Metamaterial Absorbers based on Three-dimensional Water-substrate construction. *Scientific Reports*, **2018**, 8, 4423	4.9	25
19	Spin-to-Orbital Angular Momentum Conversion with Quasi-Continuous Spatial Phase Response. *Advanced Optical Materials*, **2019**, 7, 1901188	8.1	22
18	Transparent and broadband absorption-diffusion-integrated low-scattering metamaterial by standing-up lattice. *Optics Express*, **2018**, 26, 28363-28375	3.3	20
17	Broadband reflectionless metamaterials with customizable absorption□transmission-integrated performance. *Applied Physics A: Materials Science and Processing*, **2017**, 123, 1	2.6	18
16	A Broadband Wide-Angle Synthetical Absorber Designed by Topology Optimization of Resistance Surface and Metal Wires. *IEEE Access*, **2019**, 7, 142675-142681	3.5	14
15	Ultrabroadband Terahertz Absorption by Uniaxial Anisotropic Nanowire Metamaterials. *IEEE Photonics Technology Letters*, **2015**, 27, 2284-2287	2.2	13
14	Phase random metasurfaces for broadband wide-angle radar cross section reduction. *Microwave and Optical Technology Letters*, **2015**, 57, 2813-2819	1.2	13
13	Integrating absorber with non-planar plasmonic structure for k-vector matching absorption enhancement. *Journal of Applied Physics*, **2018**, 124, 225101	2.5	13
12	Transparent absorption-diffusion-integrated water-based all-dielectric metasurface for broadband backward scattering reduction. *Journal Physics D: Applied Physics*, **2018**, 51, 485301	3	12
11	Three-Dimensional Resistive Metamaterial Absorber Loaded with Metallic Resonators for the Enhancement of Lower-Frequency Absorption. *Materials*, **2018**, 11,	3.5	10
10	Synthetical dispersion engineering in plasmonic metamaterial absorber for broadband absorption enhancement. *Journal Physics D: Applied Physics*, **2019**, 52, 085103	3	7

List of Publications

9	Multistage dispersion engineering in a three-dimensional plasmonic structure for outstanding broadband absorption. *Optical Materials Express*, **2019**, 9, 1539	2.6	6
8	Plasmonic absorbing structure using horizontal bent-wire array for low-frequency absorption enhancement. *Optics Communications*, **2019**, 443, 90-95	2	5
7	Overcoming the Pixel-Density Limit in Plasmonic Absorbing Structure for Broadband Absorption Enhancement. *IEEE Antennas and Wireless Propagation Letters*, **2019**, 18, 674-678	3.8	5
6	Tailoring multi-order absorptions of a Salisbury screen based on dispersion engineering of spoof surface plasmon polariton. *Journal Physics D: Applied Physics*, **2018**, 51, 315103	3	5
5	Mechanically tunable metamaterials for larger incident absorption **2016**,		3
4	Directional broadband absorption using three-dimensional metamaterials **2016**,		1
3	Double-layer resistive FSS structure for ultra-wideband microwave absorption **2015**,		1
2	Planar multi-angle retro-reflectors based on the wave-vector-reversion of spoof surface plasmon polaritons. *Optics Express*, **2020**, 28, 37236-37248	3.3	1
1	Hyperbolic Metasurface at Microwave Frequency for Spoof Surface Plasmon Polaritons **2018**,		1