Yang Shen

List of Publications by Year
in descending order

30 papers	721 citations	567281 15 h-index	677142 22 g-index
30 all docs	30 docs citations	30 times ranked	580 citing authors

#	Article	IF	Citations
1	Planar multi-angle retro-reflectors based on the wave-vector-reversion of spoof surface plasmon polaritons. Optics Express, 2020, 28, 37236.	3.4	1
2	Hybrid metamaterial absorber based on the combination of plasmonic structure and magentic absorber. , 2019, , .		0
3	Spinâ€toâ€Orbital Angular Momentum Conversion with Quasiâ€Continuous Spatial Phase Response. Advanced Optical Materials, 2019, 7, 1901188.	7.3	28
4	A Broadband Wide-Angle Synthetical Absorber Designed by Topology Optimization of Resistance Surface and Metal Wires. IEEE Access, 2019, 7, 142675-142681.	4.2	17
5	Plasmonic absorbing structure using horizontal bent-wire array for low-frequency absorption enhancement. Optics Communications, 2019, 443, 90-95.	2.1	5
6	Overcoming the Pixel-Density Limit in Plasmonic Absorbing Structure for Broadband Absorption Enhancement. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 674-678.	4.0	6
7	Hybrid Metamaterial Absorber based on the Combination of Plasmonic Structure and Magentic Absorber. , 2019, , .		0
8	Synthetical dispersion engineering in plasmonic metamaterial absorber for broadband absorption enhancement. Journal Physics D: Applied Physics, 2019, 52, 085103.	2.8	15
9	Multistage dispersion engineering in a three-dimensional plasmonic structure for outstanding broadband absorption. Optical Materials Express, 2019, 9, 1539.	3.0	8
10	Water-based metamaterial absorbers for optical transparency and broadband microwave absorption. Journal of Applied Physics, 2018, 123, .	2.5	81
11	Thermally Tunable Ultra-wideband Metamaterial Absorbers based on Three-dimensional Water-substrate construction. Scientific Reports, 2018, 8, 4423.	3.3	37
12	Hyperbolic Metasurface at Microwave Frequency for Spoof Surface Plasmon Polaritons. , 2018, , .		1
13	High-Efficiency Real-Time Reflective Waveform Modulator Based on Dispersion Engineering of Spoof Surface Plasmon Polaritons. , 2018, , .		0
14	Integrating absorber with non-planar plasmonic structure for k-vector matching absorption enhancement. Journal of Applied Physics, 2018, 124, .	2.5	16
15	Transparent absorption-diffusion-integrated water-based all-dielectric metasurface for broadband backward scattering reduction. Journal Physics D: Applied Physics, 2018, 51, 485301.	2.8	19
16	Transparent and broadband absorption-diffusion-integrated low-scattering metamaterial by standing-up lattice. Optics Express, 2018, 26, 28363.	3.4	27
17	Merging absorption bands of plasmonic structures via dispersion engineering. Applied Physics Letters, 2018, 112, .	3.3	38
18	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.	2.8	11

#	Article	IF	Citations
19	Transparent broadband metamaterial absorber enhanced by water-substrate incorporation. Optics Express, 2018, 26, 15665.	3.4	99
20	Three-Dimensional Resistive Metamaterial Absorber Loaded with Metallic Resonators for the Enhancement of Lower-Frequency Absorption. Materials, 2018, 11, 210.	2.9	14
21	Wideband, wide-angle coding phase gradient metasurfaces based on Pancharatnam-Berry phase. Scientific Reports, 2017, 7, .	3.3	112
22	Broadband reflectionless metamaterials with customizable absorptionâ€“transmission-integrated performance. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	2.3	22
23	The thickness resonance of the bandpass frequency selective surface using high-permittivity dielectric materials. , 2016, , .		0
24	Mechanically tunable metamaterials for larger incident absorption. , 2016, , .		3
25	Directional broadband absorption using three-dimensional metamaterials. , 2016, , .		1
26	Phase random metasurfaces for broadband wideâ€angle radar cross section reduction. Microwave and Optical Technology Letters, 2015, 57, 2813-2819.	1.4	19
27	Double-layer resistive FSS structure for ultra-wideband microwave absorption. , 2015, , .		5
28	Origami-inspired metamaterial absorbers for improving the larger-incident angle absorption. Journal Physics D: Applied Physics, 2015, 48, 445008.	2.8	47
29	An extremely wideband and lightweight metamaterial absorber. Journal of Applied Physics, 2015, 117, 224503.	2.5	70
30	Ultrabroadband Terahertz Absorption by Uniaxial Anisotropic Nanowire Metamaterials. IEEE Photonics Technology Letters, 2015, 27, 2284-2287.	2.5	19