

# Yang Shen

## List of Publications by Year in descending order

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30  
papers

721  
citations

567281

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h-index

677142

22  
g-index

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all docs

30  
docs citations

30  
times ranked

580  
citing authors

#	ARTICLE	IF	CITATIONS
1	Wideband, wide-angle coding phase gradient metasurfaces based on Pancharatnam-Berry phase. Scientific Reports, 2017, 7, .	3.3	112
2	Transparent broadband metamaterial absorber enhanced by water-substrate incorporation. Optics Express, 2018, 26, 15665.	3.4	99
3	Water-based metamaterial absorbers for optical transparency and broadband microwave absorption. Journal of Applied Physics, 2018, 123, .	2.5	81
4	An extremely wideband and lightweight metamaterial absorber. Journal of Applied Physics, 2015, 117, 224503.	2.5	70
5	Origami-inspired metamaterial absorbers for improving the larger-incident angle absorption. Journal Physics D: Applied Physics, 2015, 48, 445008.	2.8	47
6	Merging absorption bands of plasmonic structures via dispersion engineering. Applied Physics Letters, 2018, 112, .	3.3	38
7	Thermally Tunable Ultra-wideband Metamaterial Absorbers based on Three-dimensional Water-substrate construction. Scientific Reports, 2018, 8, 4423.	3.3	37
8	Spin-to-Orbital Angular Momentum Conversion with Quasi-Continuous Spatial Phase Response. Advanced Optical Materials, 2019, 7, 1901188.	7.3	28
9	Transparent and broadband absorption-diffusion-integrated low-scattering metamaterial by standing-up lattice. Optics Express, 2018, 26, 28363.	3.4	27
10	Broadband reflectionless metamaterials with customizable absorption-transmission-integrated performance. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	2.3	22
11	Phase random metasurfaces for broadband wide-angle radar cross section reduction. Microwave and Optical Technology Letters, 2015, 57, 2813-2819.	1.4	19
12	Ultrabroadband Terahertz Absorption by Uniaxial Anisotropic Nanowire Metamaterials. IEEE Photonics Technology Letters, 2015, 27, 2284-2287.	2.5	19
13	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
14	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
15	Integrating absorber with non-planar plasmonic structure for $k$ -vector matching absorption enhancement. Journal of Applied Physics, 2018, 124, .	2.5	16
16	Synthetical dispersion engineering in plasmonic metamaterial absorber for broadband absorption enhancement. Journal Physics D: Applied Physics, 2019, 52, 085103.	2.8	15
17	Three-Dimensional Resistive Metamaterial Absorber Loaded with Metallic Resonators for the Enhancement of Lower-Frequency Absorption. Materials, 2018, 11, 210.	2.9	14
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	Multistage dispersion engineering in a three-dimensional plasmonic structure for outstanding broadband absorption. <i>Optical Materials Express</i> , 2019, 9, 1539.	3.0	8
20	Overcoming the Pixel-Density Limit in Plasmonic Absorbing Structure for Broadband Absorption Enhancement. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2019, 18, 674-678.	4.0	6
21	Double-layer resistive FSS structure for ultra-wideband microwave absorption. , 2015, , .		5
22	Plasmonic absorbing structure using horizontal bent-wire array for low-frequency absorption enhancement. <i>Optics Communications</i> , 2019, 443, 90-95.	2.1	5
23	Mechanically tunable metamaterials for larger incident absorption. , 2016, , .		3
24	Directional broadband absorption using three-dimensional metamaterials. , 2016, , .		1
25	Hyperbolic Metasurface at Microwave Frequency for Spoof Surface Plasmon Polaritons. , 2018, , .		1
26	Planar multi-angle retro-reflectors based on the wave-vector-reversion of spoof surface plasmon polaritons. <i>Optics Express</i> , 2020, 28, 37236.	3.4	1
27	The thickness resonance of the bandpass frequency selective surface using high-permittivity dielectric materials. , 2016, , .		0
28	High-Efficiency Real-Time Reflective Waveform Modulator Based on Dispersion Engineering of Spoof Surface Plasmon Polaritons. , 2018, , .		0
29	Hybrid metamaterial absorber based on the combination of plasmonic structure and magnetic absorber. , 2019, , .		0
30	Hybrid Metamaterial Absorber based on the Combination of Plasmonic Structure and Magnetic Absorber. , 2019, , .		0