

Mingji Chen

List of Publications by Year in descending order

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27
papers

818
citations

623734

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27
all docs

27
docs citations

27
times ranked

404
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultra-wideband Luneburg lens with high performance based on gradient metamaterials. Journal Physics D: Applied Physics, 2022, 55, 355109.	2.8	8
2	Broadband achromatic flexural wave Mikaelian lens for high resolution focusing. Journal Physics D: Applied Physics, 2022, 55, 335502.	2.8	1
3	Radar-stealth and load-bearing corrugated sandwich structures with superior environmental adaptability. Composites Science and Technology, 2022, 227, 109594.	7.8	17
4	Broadband stealth composite metastructure with high penetration protection. Composites Part A: Applied Science and Manufacturing, 2022, 160, 107069.	7.6	4
5	Modified Luneburg Lens for Achromatic Subdiffraction Focusing and Directional Emission. IEEE Transactions on Antennas and Propagation, 2021, 69, 7930-7934.	5.1	8
6	Multifunctional carbon fiber reinforced multilayered metastructure with broadband microwave absorption and effective mechanical resistance. Polymer Composites, 2021, 42, 1846-1854.	4.6	8
7	Ultrabroadband compact lens antenna with high performance based on a transmission gradient index medium. Journal Physics D: Applied Physics, 2021, 54, 175101.	2.8	5
8	Conformally Mapped Mikaelian Lens for Broadband Achromatic High Resolution Focusing. Laser and Photonics Reviews, 2021, 15, 2000564.	8.7	13
9	Evolutionary optimization design of honeycomb metastructure with effective mechanical resistance and broadband microwave absorption. Carbon, 2021, 177, 79-89.	10.3	55
10	Mechanical Reinforced Lightweight Multifunctional Metastructure With Ultrabroadband Microwave Absorption. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 1023-1027.	4.0	9
11	Highly Efficient Gradient Solid Immersion Lens with Large Numerical Aperture for Broadband Achromatic Deep Subwavelength Focusing and Magnified Far Field. Advanced Optical Materials, 2021, 9, 2100509.	7.3	3
12	Highly efficient achromatic subdiffraction focusing lens in the near field with large numerical aperture. Photonics Research, 2021, 9, 2088.	7.0	3
13	Impact-resistant multilayered metastructure for broadband microwave absorption designed by evolutionary optimization. Composite Structures, 2021, 272, 114235.	5.8	10
14	Topological designs of mechanical-electromagnetic integrated laminate metastructure for broadband microwave absorption based on bi-directional evolutionary optimization. Composites Science and Technology, 2021, 213, 108898.	7.8	28
15	Novel multifunctional lattice composite structures with superior load-bearing capacities and radar absorption characteristics. Composites Science and Technology, 2021, 216, 109064.	7.8	27
16	Gradient nanocomposite with metastructure design for broadband radar absorption. Composites Part A: Applied Science and Manufacturing, 2020, 129, 105698.	7.6	34
17	An all-dielectric 3D Luneburg lens constructed by common-vertex coaxial circular cones. Journal Physics D: Applied Physics, 2020, 53, 015110.	2.8	7
18	Frequency-selective-surface based sandwich structure for both effective loadbearing and customizable microwave absorption. Composite Structures, 2020, 235, 111792.	5.8	36

#	ARTICLE	IF	CITATIONS
19	Broadband radar absorbing composites: Spatial scale effect and environmental adaptability. Composites Science and Technology, 2020, 197, 108262.	7.8	30
20	Optimization of flexible multilayered metastructure fabricated by dielectric-magnetic nano lossy composites with broadband microwave absorption. Composites Science and Technology, 2020, 191, 108066.	7.8	40
21	Integrated design of component and configuration for a flexible and ultrabroadband radar absorbing composite. Composites Science and Technology, 2019, 176, 81-89.	7.8	46
22	Ultrathin multifunctional carbon/glass fiber reinforced lossy lattice metastructure for integrated design of broadband microwave absorption and effective load bearing. Carbon, 2019, 144, 449-456.	10.3	62
23	Multi-scale design of electromagnetic composite metamaterials for broadband microwave absorption. Composites Science and Technology, 2018, 162, 206-214.	7.8	128
24	Ultrathin Flexible Carbon Fiber Reinforced Hierarchical Metastructure for Broadband Microwave Absorption with Nano Lossy Composite and Multiscale Optimization. ACS Applied Materials & Interfaces, 2018, 10, 44731-44740.	8.0	86
25	Ultrabroadband Three-Dimensional Printed Radial Perfectly Symmetric Gradient Honeycomb All-Dielectric Dual-Directional Lightweight Planar Luneburg Lens. ACS Applied Materials & Interfaces, 2018, 10, 38404-38409.	8.0	14
26	Flexible thin broadband microwave absorber based on a pyramidal periodic structure of lossy composite. Optics Letters, 2018, 43, 2764.	3.3	52
27	Constructing Repairable Meta-Structures of Ultra-Broad-Band Electromagnetic Absorption from Three-Dimensional Printed Patterned Shells. ACS Applied Materials & Interfaces, 2017, 9, 43179-43187.	8.0	84