Huan Jiang

List of Publications by Year
in descending order

22	511	567281 15	713466 21
papers	citations	h-index	g-index

22	22	22	542
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Dielectric Huygensâ€™ Metasurface for High-Efficiency Hologram Operating in Transmission Mode. Scientific Reports, 2016, 6, 30613.	3.3	113
2	High-efficiency tunable circular asymmetric transmission using dielectric metasurface integrated with graphene sheet. Optics Express, 2017, 25, 19732.	3.4	38
3	3D printed tubular lattice metamaterials for mechanically robust stents. Composites Part B: Engineering, 2022, 236, 109809.	12.0	30
4	3D printed architected hollow sphere foams with low-frequency phononic band gaps. Additive Manufacturing, 2019, 30, 100842.	3.0	29
5	All-dielectric circular polarizer with nearly unit transmission efficiency based on cascaded tensor Huygens surface. Optics Express, 2016, 24, 17738.	3.4	27
6	Mechanical properties of 3D printed architected polymer foams under large deformation. Materials and Design, 2020, 194, 108946.	7.0	27
7	Design and simulation of a GST-based metasurface with strong and switchable circular dichroism. Optics Letters, 2022, 47, 1907.	3.3	27
8	Tailoring 3D printed graded architected polymer foams for enhanced energy absorption. Composites Part B: Engineering, 2021, 224, 109183.	12.0	26
9	Enhancing sensitivity to ambient refractive index with tunable few-layer graphene/hBN nanoribbons. Photonics Research, 2019, 7, 815.	7.0	26
10	High-efficiency and tunable circular dichroism in chiral graphene metasurface. Journal Physics D: Applied Physics, 2022, 55, 135102.	2.8	23
11	Dynamic control of THz polarization modulation and multi-channel beam generation using a programmable metasurface. Optics Express, 2021, 29, 17258.	3.4	22
12	Ultrasensitive Hierarchical Piezoresistive Pressure Sensor for Wideâ€Range Pressure Detection. Advanced Intelligent Systems, 2021, 3, 2100070.	6.1	21
13	Bioinspired multilayered cellular composites with enhanced energy absorption and shape recovery. Additive Manufacturing, 2020, 36, 101430.	3.0	20
14	Predicting thermal and mechanical performance of stochastic and architected foams. International Journal of Heat and Mass Transfer, 2021, 171, 121139.	4.8	18
15	3D printed tubular lattice metamaterials with engineered mechanical performance. Applied Physics Letters, 2020, 117, .	3.3	17
16	Frequency-tunable and functionality-switchable polarization device using silicon strip array integrated with a graphene sheet. Optical Materials Express, 2017, 7, 4277.	3.0	14
17	Lightweight architected hollow sphere foams for simultaneous noise and vibration control. Journal Physics D: Applied Physics, 2019, 52, 325303.	2.8	13
18	Modulating phase by metasurfaces with gated ultra-thin TiN films. Nanoscale, 2019, 11, 11167-11172.	5.6	7

#	Article	IF	Citations
19	Multifunctional metasurfaces for switchable polarization selectivity and absorption. Optics Express, 2022, 30, 20554.	3.4	6
20	Two-dimensional tunable polarization-dependent absorptions for binary and ternary coding. Optical Materials Express, 2020, 10, 787.	3.0	3
21	All-dielectric bifunctional polarization converter with high transmission efficiency in near-infrared region. Applied Optics, 2020, 59, 3825.	1.8	2
22	Broadband vibration attenuation achieved by additively manufactured 3D rainbow hollow sphere foams. Applied Physics Letters, 2021, 119, 181901.	3.3	2