

# Huan Jiang

## List of Publications by Year in descending order

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22  
papers

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citations

567281

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713466

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all docs

22  
docs citations

22  
times ranked

542  
citing authors

#	ARTICLE	IF	CITATIONS
1	Design and simulation of a GST-based metasurface with strong and switchable circular dichroism. Optics Letters, 2022, 47, 1907.	3.3	27
2	3D printed tubular lattice metamaterials for mechanically robust stents. Composites Part B: Engineering, 2022, 236, 109809.	12.0	30
3	High-efficiency and tunable circular dichroism in chiral graphene metasurface. Journal Physics D: Applied Physics, 2022, 55, 135102.	2.8	23
4	Multifunctional metasurfaces for switchable polarization selectivity and absorption. Optics Express, 2022, 30, 20554.	3.4	6
5	Dynamic control of THz polarization modulation and multi-channel beam generation using a programmable metasurface. Optics Express, 2021, 29, 17258.	3.4	22
6	Predicting thermal and mechanical performance of stochastic and architected foams. International Journal of Heat and Mass Transfer, 2021, 171, 121139.	4.8	18
7	Ultrasensitive Hierarchical Piezoresistive Pressure Sensor for Wide-Range Pressure Detection. Advanced Intelligent Systems, 2021, 3, 2100070.	6.1	21
8	Tailoring 3D printed graded architected polymer foams for enhanced energy absorption. Composites Part B: Engineering, 2021, 224, 109183.	12.0	26
9	Broadband vibration attenuation achieved by additively manufactured 3D rainbow hollow sphere foams. Applied Physics Letters, 2021, 119, 181901.	3.3	2
10	Mechanical properties of 3D printed architected polymer foams under large deformation. Materials and Design, 2020, 194, 108946.	7.0	27
11	Bioinspired multilayered cellular composites with enhanced energy absorption and shape recovery. Additive Manufacturing, 2020, 36, 101430.	3.0	20
12	3D printed tubular lattice metamaterials with engineered mechanical performance. Applied Physics Letters, 2020, 117, .	3.3	17
13	Two-dimensional tunable polarization-dependent absorptions for binary and ternary coding. Optical Materials Express, 2020, 10, 787.	3.0	3
14	All-dielectric bifunctional polarization converter with high transmission efficiency in near-infrared region. Applied Optics, 2020, 59, 3825.	1.8	2
15	3D printed architected hollow sphere foams with low-frequency phononic band gaps. Additive Manufacturing, 2019, 30, 100842.	3.0	29
16	Lightweight architected hollow sphere foams for simultaneous noise and vibration control. Journal Physics D: Applied Physics, 2019, 52, 325303.	2.8	13
17	Modulating phase by metasurfaces with gated ultra-thin TiN films. Nanoscale, 2019, 11, 11167-11172.	5.6	7
18	Enhancing sensitivity to ambient refractive index with tunable few-layer graphene/hBN nanoribbons. Photonics Research, 2019, 7, 815.	7.0	26

#	ARTICLE	IF	CITATIONS
19	High-efficiency tunable circular asymmetric transmission using dielectric metasurface integrated with graphene sheet. <i>Optics Express</i> , 2017, 25, 19732.	3.4	38
20	Frequency-tunable and functionality-switchable polarization device using silicon strip array integrated with a graphene sheet. <i>Optical Materials Express</i> , 2017, 7, 4277.	3.0	14
21	All-dielectric circular polarizer with nearly unit transmission efficiency based on cascaded tensor Huygens surface. <i>Optics Express</i> , 2016, 24, 17738.	3.4	27
22	Dielectric Huygens's™ Metasurface for High-Efficiency Hologram Operating in Transmission Mode. <i>Scientific Reports</i> , 2016, 6, 30613.	3.3	113