

Ruonan Ji

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

463
citations

759233

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794594

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all docs

22
docs citations

22
times ranked

644
citing authors

#	ARTICLE	IF	CITATIONS
1	Broadband circular polarizers constructed using helix-like chiral metamaterials. <i>Nanoscale</i> , 2016, 8, 14725-14729.	5.6	53
2	High-Speed Visible Light Communications: Enabling Technologies and State of the Art. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 589.	2.5	48
3	Giant and broadband circular asymmetric transmission based on two cascading polarization conversion cavities. <i>Nanoscale</i> , 2016, 8, 8189-8194.	5.6	47
4	Hybrid Helix Metamaterials for Giant and Ultrawide Circular Dichroism. <i>ACS Photonics</i> , 2016, 3, 2368-2374.	6.6	43
5	High-Performance and Reliable Silver Nanotube Networks for Efficient and Large-Scale Transparent Electromagnetic Interference Shielding. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 15525-15535.	8.0	41
6	High performance colored selective absorbers for architecturally integrated solar applications. <i>Journal of Materials Chemistry A</i> , 2015, 3, 7353-7360.	10.3	39
7	Large-area, lithography-free, narrow-band and highly directional thermal emitter. <i>Nanoscale</i> , 2019, 11, 19742-19750.	5.6	39
8	Single-Layer MoS ₂ Mechanical Resonant Piezo-Sensors with High Mass Sensitivity. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 41991-41998.	8.0	39
9	Large-Area Low-Cost Dielectric Perfect Absorber by One-Step Sputtering. <i>Advanced Optical Materials</i> , 2019, 7, 1801596.	7.3	19
10	Chirality-Assisted Aharonov-Anandan Geometric-Phase Metasurfaces for Spin-Decoupled Phase Modulation. <i>ACS Photonics</i> , 2021, 8, 1847-1855.	6.6	17
11	Monolayer MXene Nanoelectromechanical Piezo-Resonators with 0.2 Zeptogram Mass Resolution. <i>Advanced Science</i> , 2022, 9, .	11.2	17
12	High-Dynamic-Range Pressure Mapping Interactions by Dual Piezo-Phototronic Transistor with Piezo-Nanowire Channels and Piezo-LED Gates. <i>Advanced Functional Materials</i> , 2020, 30, 2004724.	14.9	14
13	Broadband and high-efficiency transmissive-type nondispersive polarization conversion meta-device. <i>Optical Materials Express</i> , 2018, 8, 2430.	3.0	12
14	Design of Multifunctional Janus Metasurface Based on Subwavelength Grating. <i>Nanomaterials</i> , 2021, 11, 1034.	4.1	12
15	Spin-decoupled metasurface for broadband and pixel-saving polarization rotation and wavefront control. <i>Optics Express</i> , 2021, 29, 25720.	3.4	7
16	High-performance fully-stretchable solid-state lithium-ion battery with a nanowire-network configuration and crosslinked hydrogel. <i>Journal of Materials Chemistry A</i> , 2022, 10, 11562-11573.	10.3	6
17	Annealing process and mechanism of glass based VO ₂ film from V oxidation in pure oxygen atmosphere. <i>Optical and Quantum Electronics</i> , 2016, 48, 1.	3.3	5
18	High-Efficiency and Wide-Angle Versatile Polarization Controller Based on Metagratings. <i>Materials</i> , 2019, 12, 623.	2.9	3

#	ARTICLE	IF	CITATIONS
19	Ultrathin Dielectric Perfect Absorber: Large Area Low Cost Dielectric Perfect Absorber by One Step Sputtering (Advanced Optical Materials 9/2019). Advanced Optical Materials, 2019, 7, 1970035.	7.3	2
20	Twisted split-ring chiral metamaterials for broadband circular dichroism. , 2014, , .		0
21	Strong and broadband circular dichroism based on helix-like chiral metamaterials. , 2014, , .		0
22	Remarkable optical coupling enhancement with laser selective focusing devices. Optical and Quantum Electronics, 2016, 48, 1.	3.3	0