

Pengcheng Huo

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

1,184
citations

623734

14
h-index

794594

19
g-index

19
all docs

19
docs citations

19
times ranked

1082
citing authors

#	ARTICLE	IF	CITATIONS
1	Photonic Spin-Multiplexing Metasurface for Switchable Spiral Phase Contrast Imaging. Nano Letters, 2020, 20, 2791-2798.	9.1	180
2	Multifunctional metasurfaces enabled by simultaneous and independent control of phase and amplitude for orthogonal polarization states. Light: Science and Applications, 2021, 10, 107.	16.6	167
3	Hyperbolic Metamaterials and Metasurfaces: Fundamentals and Applications. Advanced Optical Materials, 2019, 7, 1801616.	7.3	144
4	Broadband generation of perfect Poincaré beams via dielectric spin-multiplexed metasurface. Nature Communications, 2021, 12, 2230.	12.8	119
5	Photonic Metamaterial Absorbers: Morphology Engineering and Interdisciplinary Applications. Advanced Materials, 2020, 32, e1903787.	21.0	116
6	Broadband Generation of Photonic Spin-Controlled Arbitrary Accelerating Light Beams in the Visible. Nano Letters, 2019, 19, 1158-1165.	9.1	94
7	Autofocusing Airy beams generated by all-dielectric metasurface for visible light. Optics Express, 2017, 25, 9285.	3.4	71
8	Broadband Detection of Multiple Spin and Orbital Angular Momenta via Dielectric Metasurface. Laser and Photonics Reviews, 2020, 14, 2000062.	8.7	58
9	Photorealistic full-color nanopainting enabled by a low-loss metasurface. Optica, 2020, 7, 1171.	9.3	57
10	Visible light focusing flat lenses based on hybrid dielectric-metal metasurface reflector-arrays. Scientific Reports, 2017, 7, 45044.	3.3	40
11	Large-scale broadband absorber based on metallic tungsten nanocone structure. Applied Physics Letters, 2017, 111, .	3.3	32
12	Angular Optical Transparency Induced by Photonic Topological Transitions in Metamaterials. Laser and Photonics Reviews, 2018, 12, 1700309.	8.7	26
13	Vertically Aligned Micropillar Arrays Coated with a Conductive Polymer for Advanced Pseudocapacitance Energy Storage. ACS Applied Materials & Interfaces, 2022, 14, 10805-10814.	8.0	20
14	Photonic spin-controlled generation and transformation of 3D optical polarization topologies enabled by all-dielectric metasurfaces. Nanoscale, 2019, 11, 10646-10654.	5.6	18
15	Full-Stokes Polarimetry for Visible Light Enabled by an All-Dielectric Metasurface. Advanced Photonics Research, 2022, 3, .	3.6	17
16	Hybrid metasurface for broadband enhancing optical absorption and Raman spectroscopy of graphene. Optical Materials Express, 2017, 7, 3591.	3.0	8
17	Lithium-plasmon-based low-powered dynamic color display. National Science Review, 2023, 10, .	9.5	8
18	Hyperbolic Metamaterials: Hyperbolic Metamaterials and Metasurfaces: Fundamentals and Applications (Advanced Optical Materials 14/2019). Advanced Optical Materials, 2019, 7, 1970054.	7.3	5

#	ARTICLE	IF	CITATIONS
19	Generation of achromatic auto-focusing Airy beam for visible light by an all-dielectric metasurface. Journal of Applied Physics, 2022, 131, .	2.5	4