

Tieshan Yang

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,412
citations

516681

16
h-index

713444

21
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26
all docs

26
docs citations

26
times ranked

2532
citing authors

#	ARTICLE	IF	CITATIONS
1	Spin defects in hexagonal boron nitride for strain sensing on nanopillar arrays. <i>Nanoscale</i> , 2022, 14, 5239-5244.	5.6	17
2	Large third-order optical Kerr nonlinearity in 2D PdSe ₂ dichalcogenide films for nonlinear photonic devices. , 2021, , .		0
3	Graphene Multilayer Photonic Metamaterials: Fundamentals and Applications. <i>Advanced Materials Technologies</i> , 2021, 6, 2000963.	5.8	24
4	Enhanced Emission from Interlayer Excitons Coupled to Plasmonic Gap Cavities. <i>Small</i> , 2021, 17, e2103994.	10.0	6
5	Perovskite Lenses: Flat Lenses Based on 2D Perovskite Nanosheets (Adv. Mater. 30/2020). <i>Advanced Materials</i> , 2020, 32, 2070228.	21.0	0
6	Carbon-based absorbers for solar evaporation: Steam generation and beyond. <i>Sustainable Materials and Technologies</i> , 2020, 25, e00182.	3.3	35
7	Flat Lenses Based on 2D Perovskite Nanosheets. <i>Advanced Materials</i> , 2020, 32, e2001388.	21.0	26
8	Structured graphene metamaterial selective absorbers for high efficiency and omnidirectional solar thermal energy conversion. <i>Nature Communications</i> , 2020, 11, 1389.	12.8	253
9	Large Third-Order Optical Kerr Nonlinearity in Nanometer-Thick PdSe ₂ 2D Dichalcogenide Films: Implications for Nonlinear Photonic Devices. <i>ACS Applied Nano Materials</i> , 2020, 3, 6876-6883.	5.0	34
10	Ultrafast direct laser writing of 2D materials for multifunctional photonics devices [Invited]. <i>Chinese Optics Letters</i> , 2020, 18, 023601.	2.9	16
11	Thickness tunable Kerr nonlinearity in BiOBr nanoflakes. , 2020, , .		0
12	BiOBr nanoflakes with strong Kerr nonlinearity towards hybrid integrated photonic devices. , 2020, , .		1
13	Highly nonlinear BiOBr nanoflakes for hybrid integrated photonics. <i>APL Photonics</i> , 2019, 4, .	5.7	31
14	Fundamental Transport Mechanisms and Advancements of Graphene Oxide Membranes for Molecular Separation. <i>Chemistry of Materials</i> , 2019, 31, 1829-1846.	6.7	95
15	Two-dimensional material functional devices enabled by direct laser fabrication. <i>Frontiers of Optoelectronics</i> , 2018, 11, 2-22.	3.7	28
16	Anisotropic Third-Order Nonlinearity in Pristine and Lithium Hydride Intercalated Black Phosphorus. <i>ACS Photonics</i> , 2018, 5, 4969-4977.	6.6	40
17	Template-Free Synthesis of High-Yield Fe-Doped Cesium Lead Halide Perovskite Ultralong Microwires with Enhanced Two-Photon Absorption. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 4878-4885.	4.6	73
18	Role of Surface Recombination in Halide Perovskite Nanoplatelets. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 31586-31593.	8.0	41

#	ARTICLE	IF	CITATIONS
19	Laser trimming of graphene oxide for functional photonic applications. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 074003.	2.8	37
20	Chemical Stabilization of 1T ϵ^2 Phase Transition Metal Dichalcogenides with Giant Optical Kerr Nonlinearity. <i>Journal of the American Chemical Society</i> , 2017, 139, 2504-2511.	13.7	171
21	Two-Dimensional CH ₃ NH ₃ Pb ₃ Perovskite Nanosheets for Ultrafast Pulsed Fiber Lasers. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 12759-12765.	8.0	296
22	Tailoring pores in graphene-based materials: from generation to applications. <i>Journal of Materials Chemistry A</i> , 2017, 5, 16537-16558.	10.3	99
23	Silver nanoparticles inhibit the function of hypoxia-inducible factor-1 and target genes: insight into the cytotoxicity and antiangiogenesis. <i>International Journal of Nanomedicine</i> , 2016, Volume 11, 6679-6692.	6.7	84
24	Marriage of antibody-drug conjugate with gold nanorods to achieve multi-modal ablation of breast cancer cells and enhanced photoacoustic performance. <i>RSC Advances</i> , 2016, 6, 46594-46606.	3.6	4