

Mai He

List of Publications by Year in descending order

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10
papers

457
citations

1307594

7
h-index

1474206

9
g-index

11
all docs

11
docs citations

11
times ranked

1115
citing authors

#	ARTICLE	IF	CITATIONS
1	Solution-Processed CsPbBr ₃ Quantum Dots/Organic Semiconductor Planar Heterojunctions for High-Performance Photodetectors. <i>Advanced Science</i> , 2022, 9, e2105856.	11.2	15
2	Doping of Sn-based two-dimensional perovskite semiconductor for high-performance field-effect transistors and thermoelectric devices. <i>IScience</i> , 2022, 25, 104109.	4.1	15
3	Room Temperature Fluorescence Blinking in MoS ₂ Atomic Layers by Single Photon Energy Transfer. <i>Laser and Photonics Reviews</i> , 2022, 16, .	8.7	5
4	Triphenylamine-Polystyrene Blends for Perovskite Solar Cells with Simultaneous Energy Loss Suppression and Stability Improvement. <i>Solar Rrl</i> , 2020, 4, 2000490.	5.8	6
5	Room temperature near unity spin polarization in 2D Van der Waals heterostructures. <i>Nature Communications</i> , 2020, 11, 4442.	12.8	44
6	Wavelength-Tunable Mid-Infrared Lasing from Black Phosphorus Nanosheets. <i>Advanced Materials</i> , 2020, 32, e1808319.	21.0	56
7	Revealing Excitonic and Electron-Hole Plasma States in Stimulated Emission of Single CsPbBr_3 Nanowires at Room Temperature. <i>Physical Review Applied</i> , 2020, 13, .	3.8	19
8	Controlled Vapor Growth and Nonlinear Optical Applications of Large-Area 3R Phase WS ₂ and WSe ₂ Atomic Layers. <i>Advanced Functional Materials</i> , 2019, 29, 1806874.	14.9	92
9	High-Quality In-Plane Aligned CsPbX ₃ Perovskite Nanowire Lasers with Composition-Dependent Strong Exciton-Photon Coupling. <i>ACS Nano</i> , 2018, 12, 6170-6178.	14.6	204
10	Photoluminescence Enhancement in Thin Two-Dimensional Ruddlesden-Popper Perovskites by Spiro-OMeTAD. <i>Journal of Physical Chemistry C</i> , 0, , .	3.1	1