

Yong He

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Improvement of Visible-Light Photocatalytic Efficiency in a Novel InSe/Zr ₂ CO ₂ Heterostructure for Overall Water Splitting. Journal of Physical Chemistry C, 2019, 123, 12781-12790.	1.5	80
2	Lead-free Double Perovskite Cs ₂ AgIn _{0.9} Bi _{0.1} Cl ₆ Quantum Dots for White Light-emitting Diodes. Advanced Science, 2022, 9, e2102895.	5.6	46
3	Penta-MS ₂ (M = Mn, Ni, Cu/Ag and Zn/Cd) monolayers with negative Poisson's ratios and tunable bandgaps as water-splitting photocatalysts. Journal of Materials Chemistry A, 2021, 9, 6993-7004.	5.2	42
4	Two-dimensional g-C ₃ N ₄ /InSe heterostructure as a novel visible-light photocatalyst for overall water splitting: a first-principles study. Journal Physics D: Applied Physics, 2019, 52, 015304.	1.3	25
5	Promising Lead-Free Double-Perovskite Photovoltaic Materials Cs ₂ MM ² Br ₆ (M) Tj ETQq1 1 0.784314 rgBT Journal of Physical Chemistry C, 2021, 125, 21160-21168.	1.5	22
6	High hydrogen production in the InSe/MoSi ₂ N ₄ van der Waals heterostructure for overall water splitting. Physical Chemistry Chemical Physics, 2022, 24, 2110-2117.	1.3	16
7	The Dion-Jacobson perovskite CsSbCl ₄ : a promising Pb-free solar-cell absorber with optimal bandgap ≈ 1.4 eV, strong optical absorption $\approx 10^5$ cm ⁻¹ , and large power-conversion efficiency above 20%. Journal of Materials Chemistry A, 2021, 9, 16436-16446.	5.2	13
8	The 2D InSe/WS ₂ Heterostructure with Enhanced Optoelectronic Performance in the Visible Region*. Chinese Physics Letters, 2019, 36, 097301.	1.3	11
9	Spontaneous Formation of Lead-free Cs ₃ Cu ₂ I ₅ Quantum Dots in Metal-Organic Frameworks with Deep-blue Emission. Small, 2022, 18, e2107161.	5.2	9
10	Cerium-based lead-free chalcogenide perovskites for photovoltaics. Physical Review B, 2021, 104, .	1.1	6
11	Layered Dion-Jacobson-Type Chalcogenide Perovskite CsLaM ₂ X ₇ (M = Ta/Nb; X) Tj ETQq1 1 0.784314 rgBT ACS Applied Materials & Interfaces, 2021, 13, 48971-48980.	4.0	3
12	2D Graphene-Like Pb-Free Perovskite Semiconductor CsSb(Br _{1-x} I _x)I _x with Quasi-linear Electronic Dispersion and Direct Bandgap Close to Germanium. ACS Applied Materials & Interfaces, 2022, , .	4.0	2
13	Lead-free layered Aurivillius-type Sn-based halide perovskite Ba ₂ X ₂ [Cs _n Sn _n X _{3n+1}] (X = I/Br/Cl) with an optimal band gap of ≈ 1.26 eV and theoretical efficiency beyond 27% for photovoltaics. Journal of Materials Chemistry A, 2022, 10, 10682-10691.	5.2	1