

Yi-Hsuan Chiu

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

1,959
citations

471509

17
h-index

794594

19
g-index

19
all docs

19
docs citations

19
times ranked

2598
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanistic Insights into Photodegradation of Organic Dyes Using Heterostructure Photocatalysts. <i>Catalysts</i> , 2019, 9, 430.	3.5	520
2	Au@Cu _{7S4} yolk@shell nanocrystal-decorated TiO ₂ nanowires as an all-day-active photocatalyst for environmental purification. <i>Nano Energy</i> , 2017, 31, 286-295.	16.0	167
3	ZnO@Au@SnO ₂ Z-scheme photoanodes for remarkable photoelectrochemical water splitting. <i>Nanoscale</i> , 2016, 8, 15720-15729.	5.6	143
4	A facile green antisolvent approach to Cu ²⁺ -doped ZnO nanocrystals with visible-light-responsive photoactivities. <i>Nanoscale</i> , 2014, 6, 8796.	5.6	142
5	Plasmon-mediated charge dynamics and photoactivity enhancement for Au-decorated ZnO nanocrystals. <i>Journal of Materials Chemistry A</i> , 2018, 6, 4286-4296.	10.3	141
6	ZnO@graphene composites as practical photocatalysts for gaseous acetaldehyde degradation and electrolytic water oxidation. <i>Applied Catalysis A: General</i> , 2015, 490, 1-9.	4.3	123
7	Photoelectrochemical cells for solar hydrogen production: Challenges and opportunities. <i>APL Materials</i> , 2019, 7, .	5.1	119
8	Metal-Particle-Decorated ZnO Nanocrystals: Photocatalysis and Charge Dynamics. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 32754-32763.	8.0	111
9	Au@Cu ₂ O core@shell nanocrystals as dual-functional catalysts for sustainable environmental applications. <i>Applied Catalysis B: Environmental</i> , 2019, 242, 499-506.	20.2	111
10	Yolk-shell nanostructures as an emerging photocatalyst paradigm for solar hydrogen generation. <i>Nano Energy</i> , 2019, 62, 289-298.	16.0	83
11	TiO ₂ Nanowire-Supported Sulfide Hybrid Photocatalysts for Durable Solar Hydrogen Production. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 3006-3015.	8.0	71
12	Fully Depleted Ti@Nb@Ta@Zr@O Nanotubes: Interfacial Charge Dynamics and Solar Hydrogen Production. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 22997-23008.	8.0	70
13	Au-decorated GaOOH nanorods enhanced the performance of direct methanol fuel cells under light illumination. <i>Applied Catalysis B: Environmental</i> , 2016, 185, 133-140.	20.2	46
14	Facet-Dependent Photocatalytic Behaviors of ZnS-Decorated Cu ₂ O Polyhedra Arising from Tunable Interfacial Band Alignment. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 3582-3589.	8.0	39
15	Size and temperature dependence of photoluminescence of hybrid perovskite nanocrystals. <i>Journal of Chemical Physics</i> , 2019, 151, 154705.	3.0	24
16	Hollow Au Nanosphere-Cu ₂ O Core@Shell Nanostructures with Controllable Core Surface Morphology. <i>Journal of Physical Chemistry C</i> , 2020, 124, 11333-11339.	3.1	21
17	Reduced graphene oxides-wrapped ZnO with notable photocatalytic property. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2020, 112, 337-344.	5.3	19
18	Electronic Interactions and Charge-Transfer Dynamics for a Series of Yolk@Shell Nanocrystals: Implications for Photocatalysis. <i>ACS Applied Nano Materials</i> , 2022, 5, 8404-8416.	5.0	8

#	ARTICLE	IF	CITATIONS
19	Tailor magnetic order and spin-polarized gap states of opto-spintronic compounds by carrier mediation. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 460, 78-82.	2.3	1