

Yi-Hsuan Chiu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6426526/publications.pdf>

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	Electronic Interactions and Charge-Transfer Dynamics for a Series of Yolk@Shell Nanocrystals: Implications for Photocatalysis. ACS Applied Nano Materials, 2022, 5, 8404-8416.	5.0	8
2	Hollow Au Nanosphere-Cu ₂ O Core@Shell Nanostructures with Controllable Core Surface Morphology. Journal of Physical Chemistry C, 2020, 124, 11333-11339.	3.1	21
3	Reduced graphene oxides-wrapped ZnO with notable photocatalytic property. Journal of the Taiwan Institute of Chemical Engineers, 2020, 112, 337-344.	5.3	19
4	Photoelectrochemical cells for solar hydrogen production: Challenges and opportunities. APL Materials, 2019, 7, .	5.1	119
5	Size and temperature dependence of photoluminescence of hybrid perovskite nanocrystals. Journal of Chemical Physics, 2019, 151, 154705.	3.0	24
6	Yolk-shell nanostructures as an emerging photocatalyst paradigm for solar hydrogen generation. Nano Energy, 2019, 62, 289-298.	16.0	83
7	Mechanistic Insights into Photodegradation of Organic Dyes Using Heterostructure Photocatalysts. Catalysts, 2019, 9, 430.	3.5	520
8	Facet-Dependent Photocatalytic Behaviors of ZnS-Decorated Cu ₂ O Polyhedra Arising from Tunable Interfacial Band Alignment. ACS Applied Materials & Interfaces, 2019, 11, 3582-3589.	8.0	39
9	TiO ₂ Nanowire-Supported Sulfide Hybrid Photocatalysts for Durable Solar Hydrogen Production. ACS Applied Materials & Interfaces, 2019, 11, 3006-3015.	8.0	71
10	Au@Cu ₂ O core@shell nanocrystals as dual-functional catalysts for sustainable environmental applications. Applied Catalysis B: Environmental, 2019, 242, 499-506.	20.2	111
11	Fully Depleted Ti@Nb@Ta@Zr@O Nanotubes: Interfacial Charge Dynamics and Solar Hydrogen Production. ACS Applied Materials & Interfaces, 2018, 10, 22997-23008.	8.0	70
12	Tailor magnetic order and spin-polarized gap states of opto-spintronic compounds by carrier mediation. Journal of Magnetism and Magnetic Materials, 2018, 460, 78-82.	2.3	1
13	Plasmon-mediated charge dynamics and photoactivity enhancement for Au-decorated ZnO nanocrystals. Journal of Materials Chemistry A, 2018, 6, 4286-4296.	10.3	141
14	Au@Cu ₇ S ₄ yolk@shell nanocrystal-decorated TiO ₂ nanowires as an all-day-active photocatalyst for environmental purification. Nano Energy, 2017, 31, 286-295.	16.0	167
15	ZnO@Au@SnO ₂ Z-scheme photoanodes for remarkable photoelectrochemical water splitting. Nanoscale, 2016, 8, 15720-15729.	5.6	143
16	Metal-Particle-Decorated ZnO Nanocrystals: Photocatalysis and Charge Dynamics. ACS Applied Materials & Interfaces, 2016, 8, 32754-32763.	8.0	111
17	Au-decorated GaOOH nanorods enhanced the performance of direct methanol fuel cells under light illumination. Applied Catalysis B: Environmental, 2016, 185, 133-140.	20.2	46
18	ZnO@graphene composites as practical photocatalysts for gaseous acetaldehyde degradation and electrolytic water oxidation. Applied Catalysis A: General, 2015, 490, 1-9.	4.3	123

#	ARTICLE	IF	CITATIONS
19	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