

Xin-Yuan Li

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,408
citations

471509

17
h-index

610901

24
g-index

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all docs

24
docs citations

24
times ranked

2005
citing authors

#	ARTICLE	IF	CITATIONS
1	Interfacial engineering of 3D hollow CoSe ₂ @ultrathin MoSe ₂ core@shell heterostructure for efficient pH-universal hydrogen evolution reaction. <i>Nano Research</i> , 2022, 15, 2895-2904.	10.4	64
2	Telluride Nanocrystals with Adjustable Amorphous Shell Thickness and Core-Shell Structure Modulation by Aqueous Cation Exchange. <i>Inorganic Chemistry</i> , 2022, 61, 3989-3996.	4.0	7
3	Theoretical Predictions, Experimental Modulation Strategies, and Applications of MXene-Supported Atomically Dispersed Metal Sites. <i>Small</i> , 2022, 18, e2105883.	10.0	28
4	Atomically Surficial Modulation in Two-Dimensional Semiconductor Nanocrystals for Selective Photocatalytic Reactions. <i>Frontiers in Chemistry</i> , 2022, 10, 890287.	3.6	1
5	Telluride semiconductor nanocrystals: progress on their liquid-phase synthesis and applications. <i>Rare Metals</i> , 2022, 41, 2527-2551.	7.1	10
6	Microreactor platform for continuous synthesis of electronic doped quantum dots. <i>Nano Research</i> , 2022, 15, 9647-9653.	10.4	5
7	Electronic structure regulations of single-atom site catalysts and their effects on the electrocatalytic performances. <i>Applied Physics Reviews</i> , 2021, 8, .	11.3	29
8	Positively charged collective oscillations induce efficient A β fibril degradation in the presence of novel Au@Cu ₂ S core/shell nanorods. <i>Chemical Communications</i> , 2021, 57, 6384-6387.	4.1	9
9	Atomic regulation of metal-organic framework derived carbon-based single-atom catalysts for the electrochemical CO ₂ reduction reaction. <i>Journal of Materials Chemistry A</i> , 2021, 9, 23382-23418.	10.3	46
10	A telluride shell on plasmonic Au nanoparticles: amorphous/crystalline phase and shape evolution engineering via aqueous cation exchange. <i>Materials Chemistry Frontiers</i> , 2021, 5, 4571-4578.	5.9	8
11	Atomic Thickness Catalysts: Synthesis and Applications. <i>Small Methods</i> , 2020, 4, 2000248.	8.6	32
12	Modulating the local coordination environment of single-atom catalysts for enhanced catalytic performance. <i>Nano Research</i> , 2020, 13, 1842-1855.	10.4	532
13	Cation/Anion Exchange Reactions toward the Syntheses of Upgraded Nanostructures: Principles and Applications. <i>Matter</i> , 2020, 2, 554-586.	10.0	81
14	Highly Selective Photoreduction of CO ₂ with Suppressing H ₂ Evolution by Plasmonic Au/CdSe-Cu ₂ O Hierarchical Nanostructures under Visible Light. <i>Small</i> , 2020, 16, e2000426.	10.0	53
15	From core-shell to yolk-shell: Keeping the intimately contacted interface for plasmonic metal@semiconductor nanorods toward enhanced near-infrared photoelectrochemical performance. <i>Nano Research</i> , 2020, 13, 1162-1170.	10.4	25
16	Evolution of Hollow CuInS ₂ Nanododecahedrons via Kirkendall Effect Driven by Cation Exchange for Efficient Solar Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 27170-27177.	8.0	40
17	Efficient Plasmonic Au/CdSe Nanodumbbell for Photoelectrochemical Hydrogen Generation beyond Visible Region. <i>Advanced Energy Materials</i> , 2019, 9, 1803889.	19.5	85
18	Electronic doping-enabled transition from n- to p-type conductivity over Au@CdS core-shell nanocrystals toward unassisted photoelectrochemical water splitting. <i>Journal of Materials Chemistry A</i> , 2019, 7, 23038-23045.	10.3	42

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19	Au@Hg _x Cd _{1-x} Te core@shell nanorods by sequential aqueous cation exchange for near-infrared photodetectors. <i>Nano Energy</i> , 2019, 57, 57-65.	16.0	38
20	High Pressure Induced in Situ Solid-State Phase Transformation of Nonepitaxial Grown Metal@Semiconductor Nanocrystals. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 6544-6549.	4.6	5
21	Versatile synthesis of yolk/shell hybrid nanocrystals via ion-exchange reactions for novel metal/semiconductor and semiconductor/semiconductor conformations. <i>Nano Research</i> , 2017, 10, 2977-2987.	10.4	32
22	A photoelectrochemical methanol fuel cell based on aligned TiO ₂ nanorods decorated graphene photoanode. <i>Chemical Communications</i> , 2016, 52, 2533-2536.	4.1	41
23	Templated-preparation of a three-dimensional molybdenum phosphide sponge as a high performance electrode for hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2016, 4, 59-66.	10.3	95
24	A bulky and flexible electrocatalyst for efficient hydrogen evolution based on the growth of MoS ₂ nanoparticles on carbon nanofiber foam. <i>Journal of Materials Chemistry A</i> , 2015, 3, 5041-5046.	10.3	100