

Hongfei Cheng

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

32
papers

1,980
citations

22
h-index

33
g-index

33
ext. papers

2,548
ext. citations

15.4
avg, IF

5.12
L-index

#	Paper	IF	Citations
32	Pressure-Induced Amorphization and Crystallization of Heterophase Pd Nanostructures.. <i>Small</i> , 2022 , e2106396	11	0
31	Synthesis of Pd Sn and PdCuSn Nanorods with L1 Phase for Highly Efficient Electrocatalytic Ethanol Oxidation. <i>Advanced Materials</i> , 2021 , e2106115	24	17
30	Concurrent H Generation and Formate Production Assisted by CO Absorption in One Electrolyzer.. <i>Small Methods</i> , 2021 , 5, e2100871	12.8	2
29	Selective Epitaxial Growth of Rh Nanorods on 2H/ Heterophase Au Nanosheets to Form 1D/2D Rh-Au Heterostructures for Highly Efficient Hydrogen Evolution. <i>Journal of the American Chemical Society</i> , 2021 , 143, 4387-4396	16.4	24
28	Evoking ordered vacancies in metallic nanostructures toward a vacated Barlow packing for high-performance hydrogen evolution. <i>Science Advances</i> , 2021 , 7,	14.3	25
27	High-mass loading V3O7·H2O nanoarray for Zn-ion battery: New synthesis and two-stage ion intercalation chemistry. <i>Nano Energy</i> , 2021 , 83, 105835	17.1	36
26	Quasi-Epitaxial Growth of Magnetic Nanostructures on 4H-Au Nanoribbons. <i>Advanced Materials</i> , 2021 , 33, e2007140	24	8
25	Ultrathin Amorphous/Crystalline Heterophase Rh and Rh Alloy Nanosheets as Tandem Catalysts for Direct Indole Synthesis. <i>Advanced Materials</i> , 2021 , 33, e2006711	24	28
24	Crystal phase-controlled growth of PtCu and PtCo alloys on 4H Au nanoribbons for electrocatalytic ethanol oxidation reaction. <i>Nano Research</i> , 2020 , 13, 1970-1975	10	11
23	Two-Dimensional Nanomaterials with Unconventional Phases. <i>CheM</i> , 2020 , 6, 1237-1253	16.2	45
22	In-Situ Probing of Crystal-Phase-Dependent Photocatalytic Activities of Au Nanostructures by Surface-Enhanced Raman Spectroscopy 2020 , 2, 409-414		14
21	Transition metal dichalcogenide/multi-walled carbon nanotube-based fibers as flexible electrodes for electrocatalytic hydrogen evolution. <i>Chemical Communications</i> , 2020 , 56, 5131-5134	5.8	23
20	Ligand-Exchange-Induced Amorphization of Pd Nanomaterials for Highly Efficient Electrocatalytic Hydrogen Evolution Reaction. <i>Advanced Materials</i> , 2020 , 32, e1902964	24	87
19	Synthesis of Palladium-Based Crystalline@Amorphous Core-Shell Nanoplates for Highly Efficient Ethanol Oxidation. <i>Advanced Materials</i> , 2020 , 32, e2000482	24	53
18	Stretchable HfO2-Based Resistive Switching Memory Using the Wavy Structured Design. <i>IEEE Electron Device Letters</i> , 2020 , 1-1	4.4	1
17	Phase-Selective Epitaxial Growth of Heterophase Nanostructures on Unconventional 2H-Pd Nanoparticles. <i>Journal of the American Chemical Society</i> , 2020 , 142, 18971-18980	16.4	53
16	Rational Design of MOF-Based Hybrid Nanomaterials for Directly Harvesting Electric Energy from Water Evaporation. <i>Advanced Materials</i> , 2020 , 32, e2003720	24	38

15	Confined Synthesis of 2D Nanostructured Materials toward Electrocatalysis. <i>Advanced Energy Materials</i> , 2020 , 10, 1900486	21.8	70
14	Ultra-thin metal-organic framework nanoribbons. <i>National Science Review</i> , 2020 , 7, 46-52	10.8	18
13	Size-Dependent Phase Transformation of Noble Metal Nanomaterials. <i>Small</i> , 2019 , 15, e1903253	11	7
12	Aging amorphous/crystalline heterophase PdCu nanosheets for catalytic reactions. <i>National Science Review</i> , 2019 , 6, 955-961	10.8	41
11	A General Method for the Synthesis of Hybrid Nanostructures Using MoSe Nanosheet-Assembled Nanospheres as Templates. <i>Research</i> , 2019 , 2019, 6439734	7.8	4
10	Synthesis of MoX ₂ (X = Se or S) monolayers with high-concentration 1T' phase on 4H/fcc-Au nanorods for hydrogen evolution. <i>Nano Research</i> , 2019 , 12, 1301-1305	10	28
9	Crystal phase-based epitaxial growth of hybrid noble metal nanostructures on 4H/fcc Au nanowires. <i>Nature Chemistry</i> , 2018 , 10, 456-461	17.6	160
8	Synthesis of Hierarchical 4H/fcc Ru Nanotubes for Highly Efficient Hydrogen Evolution in Alkaline Media. <i>Small</i> , 2018 , 14, e1801090	11	52
7	Syntheses and Properties of Metal Nanomaterials with Novel Crystal Phases. <i>Advanced Materials</i> , 2018 , 30, e1707189	24	103
6	Amorphous/Crystalline Hetero-Phase Pd Nanosheets: One-Pot Synthesis and Highly Selective Hydrogenation Reaction. <i>Advanced Materials</i> , 2018 , 30, e1803234	24	147
5	Preparation of Superhydrophilic and Underwater Superoleophobic Nanofiber-Based Meshes from Waste Glass for Multifunctional Oil/Water Separation. <i>Small</i> , 2017 , 13, 1700391	11	95
4	Recent Progress in the Preparation, Assembly, Transformation, and Applications of Layer-Structured Nanodisks beyond Graphene. <i>Advanced Materials</i> , 2017 , 29, 1701704	24	47
3	Preparation of graphene-MoS ₂ hybrid aerogels as multifunctional sorbents for water remediation. <i>Science China Materials</i> , 2017 , 60, 1102-1108	7.1	23
2	Synthesis of Ultrathin PdCu Alloy Nanosheets Used as a Highly Efficient Electrocatalyst for Formic Acid Oxidation. <i>Advanced Materials</i> , 2017 , 29, 1700769	24	154
1	Recent Development of Advanced Materials with Special Wettability for Selective Oil/Water Separation. <i>Small</i> , 2016 , 12, 2186-202	11	563