

Qi Ding

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

8,363
citations

430874

18
h-index

752698

20
g-index

22
all docs

22
docs citations

22
times ranked

13574
citing authors

#	ARTICLE	IF	CITATIONS
1	Improved performance and stability of photoelectrochemical water-splitting Si system using a bifacial design to decouple light harvesting and electrocatalysis. <i>Nano Energy</i> , 2020, 70, 104478.	16.0	37
2	Basal-Plane Ligand Functionalization on Semiconducting 2H-MoS ₂ Monolayers. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 12734-12742.	8.0	112
3	Solution Growth of Screw Dislocation Driven $\hat{\pm}$ -GaOOH Nanorod Arrays and Their Conversion to Porous ZnGa ₂ O ₄ Nanotubes. <i>Chemistry of Materials</i> , 2017, 29, 7278-7287.	6.7	19
4	Layer-Controlled Chemical Vapor Deposition Growth of MoS ₂ Vertical Heterostructures via van der Waals Epitaxy. <i>ACS Nano</i> , 2016, 10, 7039-7046.	14.6	122
5	A p-Si/NiCoSe _x core/shell nanopillar array photocathode for enhanced photoelectrochemical hydrogen production. <i>Energy and Environmental Science</i> , 2016, 9, 3113-3119.	30.8	162
6	Broad Wavelength Tunable Robust Lasing from Single-Crystal Nanowires of Cesium Lead Halide Perovskites (CsPbX ₃ , X = Cl, Br, I). <i>ACS Nano</i> , 2016, 10, 7963-7972.	14.6	507
7	Efficient Electrocatalytic and Photoelectrochemical Hydrogen Generation Using MoS ₂ and Related Compounds. <i>CheM</i> , 2016, 1, 699-726.	11.7	462
8	Nanowire Lasers of Formamidinium Lead Halide Perovskites and Their Stabilized Alloys with Improved Stability. <i>Nano Letters</i> , 2016, 16, 1000-1008.	9.1	391
9	Designing Efficient Solar-Driven Hydrogen Evolution Photocathodes Using Semitransparent MoQ _x Cl _y (Q = S, Se) Catalysts on Si Micropyramids. <i>Advanced Materials</i> , 2015, 27, 6511-6518.	21.0	93
10	Amorphous MoS _x Cl _y electrocatalyst supported by vertical graphene for efficient electrochemical and photoelectrochemical hydrogen generation. <i>Energy and Environmental Science</i> , 2015, 8, 862-868.	30.8	183
11	Visualization of electrochemically driven solid-state phase transformations using operando hard X-ray spectro-imaging. <i>Nature Communications</i> , 2015, 6, 6883.	12.8	80
12	Lead halide perovskite nanowire lasers with low lasing thresholds and high quality factors. <i>Nature Materials</i> , 2015, 14, 636-642.	27.5	2,392
13	Efficient hydrogen evolution catalysis using ternary pyrite-type cobalt phosphosulphide. <i>Nature Materials</i> , 2015, 14, 1245-1251.	27.5	1,162
14	High-Performance Electrocatalysis for Hydrogen Evolution Reaction Using Se-Doped Pyrite-Phase Nickel Diphosphide Nanostructures. <i>ACS Catalysis</i> , 2015, 5, 6355-6361.	11.2	258
15	Measurement of Ultrafast Excitonic Dynamics of Few-Layer MoS ₂ Using State-Selective Coherent Multidimensional Spectroscopy. <i>ACS Nano</i> , 2015, 9, 12146-12157.	14.6	33
16	Efficient Photoelectrochemical Hydrogen Generation Using Heterostructures of Si and Chemically Exfoliated Metallic MoS ₂ . <i>Journal of the American Chemical Society</i> , 2014, 136, 8504-8507.	13.7	379
17	Earth-Abundant Metal Pyrites (FeS ₂ , CoS ₂ , NiS ₂ , and Their Alloys) for Highly Efficient Hydrogen Evolution and Polysulfide Reduction Electrocatalysis. <i>Journal of Physical Chemistry C</i> , 2014, 118, 21347-21356.	3.1	548
18	High-Performance Electrocatalysis Using Metallic Cobalt Pyrite (CoS ₂) Micro- and Nanostructures. <i>Journal of the American Chemical Society</i> , 2014, 136, 10053-10061.	13.7	1,211

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19	Quantum dot nanoscale heterostructures for solar energy conversion. <i>Chemical Society Reviews</i> , 2013, 42, 2963-2985.	38.1	204
20	Metal-ligand coordinated Ca(DS) ₂ /C14DMAO/H ₂ O system: Phase behavior and rheological property. <i>Science China Chemistry</i> , 2011, 54, 490-496.	8.2	0
21	Effect of Hydrophilic Groups of Ca Surfactants and Hydrophobic Chains of C _n DMAO on Coordinated Vesicle Formation. <i>Langmuir</i> , 2010, 26, 18652-18658.	3.5	8