

Jingtong Zhang

List of Publications by Year in descending order

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72
papers

6,446
citations

71102

41
h-index

76900

74
g-index

77
all docs

77
docs citations

77
times ranked

8029
citing authors

#	ARTICLE	IF	CITATIONS
1	Noble Metal-Free Reduced Graphene Oxide-Zn _x Cd _{1-x} S Nanocomposite with Enhanced Solar Photocatalytic H ₂ -Production Performance. Nano Letters, 2012, 12, 4584-4589.	9.1	845
2	Synthesis and Oxygen Reduction Activity of Shape-Controlled Pt ₃ Ni Nanopolyhedra. Nano Letters, 2010, 10, 638-644.	9.1	744
3	Solution-Based Evolution and Enhanced Methanol Oxidation Activity of Monodisperse Platinum-Copper Nanocubes. Angewandte Chemie - International Edition, 2009, 48, 4217-4221.	13.8	367
4	A General Strategy for Preparation of Pt 3d-Transition Metal (Co, Fe, Ni) Nanocubes. Journal of the American Chemical Society, 2009, 131, 18543-18547.	13.7	332
5	Construction of CoP/NiCoP Nanotadpoles Heterojunction Interface for Wide pH Hydrogen Evolution Electrocatalysis and Supercapacitor. Advanced Energy Materials, 2019, 9, 1901213.	19.5	275
6	Ternary NiS/Zn _x Cd _{1-x} S/Reduced Graphene Oxide Nanocomposites for Enhanced Solar Photocatalytic H ₂ -Production Activity. Advanced Energy Materials, 2014, 4, 1301925.	19.5	244
7	Phosphorus Induced Electron Localization of Single Iron Sites for Boosted CO ₂ Electroreduction Reaction. Angewandte Chemie - International Edition, 2021, 60, 23614-23618.	13.8	197
8	Enhancing by Weakening: Electrooxidation of Methanol on Pt ₃ Co and Pt Nanocubes. Angewandte Chemie - International Edition, 2010, 49, 6848-6851.	13.8	183
9	Hierarchical trimetallic Co-Ni-Fe oxides derived from core-shell structured metal-organic frameworks for highly efficient oxygen evolution reaction. Applied Catalysis B: Environmental, 2021, 287, 119953.	20.2	175
10	Enhanced Visible-Light Photocatalytic H ₂ Production by Zn _x Cd _{1-x} S Modified with Earth-Abundant Nickel-Based Cocatalysts. ChemSusChem, 2014, 7, 3426-3434.	6.8	164
11	P-Doped Iron-Nickel Sulfide Nanosheet Arrays for Highly Efficient Overall Water Splitting. ACS Applied Materials & Interfaces, 2019, 11, 27667-27676.	8.0	155
12	Construction of multi-dimensional core/shell Ni/NiCoP nano-heterojunction for efficient electrocatalytic water splitting. Applied Catalysis B: Environmental, 2019, 259, 118039.	20.2	124
13	Plasmonic silver incorporated silver halides for efficient photocatalysis. Journal of Materials Chemistry A, 2016, 4, 4336-4352.	10.3	121
14	High-Indexed Pt ₃ Ni Alloy Tetrahedral Nanoframes Evolved through Preferential CO Etching. Nano Letters, 2017, 17, 2204-2210.	9.1	113
15	Mo doping induced metallic CoSe for enhanced electrocatalytic hydrogen evolution. Applied Catalysis B: Environmental, 2020, 268, 118467.	20.2	93
16	High-precision regulation synthesis of Fe-doped Co ₂ P nanorod bundles as efficient electrocatalysts for hydrogen evolution in all-pH range and seawater. Journal of Energy Chemistry, 2021, 55, 92-101.	12.9	89
17	Monodisperse Pt ₃ Fe Nanocubes: Synthesis, Characterization, Self-Assembly, and Electrocatalytic Activity. Advanced Functional Materials, 2010, 20, 3727-3733.	14.9	88
18	Coreduction Colloidal Synthesis of III-V Nanocrystals: The Case of InP. Angewandte Chemie - International Edition, 2008, 47, 3540-3542.	13.8	84

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19	Shape-Control of ZnTe Nanocrystal Growth in Organic Solution. <i>Journal of Physical Chemistry C</i> , 2008, 112, 5454-5458.	3.1	84
20	Simple Cubic Super Crystals Containing PbTe Nanocubes and Their Core-Shell Building Blocks. <i>Journal of the American Chemical Society</i> , 2008, 130, 15203-15209.	13.7	80
21	Ultrathin Co(Ni)-doped MoS ₂ nanosheets as catalytic promoters enabling efficient solar hydrogen production. <i>Nano Research</i> , 2016, 9, 2284-2293.	10.4	80
22	High conductivity Ni ₁₂ P ₅ nanowires as high-rate electrode material for battery-supercapacitor hybrid devices. <i>Chemical Engineering Journal</i> , 2020, 392, 123661.	12.7	78
23	SnPO _{0.94} nanoplates/graphene oxide composite for novel potassium-ion battery anode. <i>Chemical Engineering Journal</i> , 2019, 370, 677-683.	12.7	77
24	Synthesis and Characterization of Wurtzite ZnTe Nanorods with Controllable Aspect Ratios. <i>Journal of the American Chemical Society</i> , 2011, 133, 15324-15327.	13.7	74
25	Dual Role of Pyridinic-N Doping in Carbon-Coated Ni Nanoparticles for Highly Efficient Electrochemical CO ₂ Reduction to CO over a Wide Potential Range. <i>ACS Catalysis</i> , 2022, 12, 1364-1374.	11.2	73
26	CoP nanorods decorated biomass derived N, P co-doped carbon flakes as an efficient hybrid catalyst for electrochemical hydrogen evolution. <i>Electrochimica Acta</i> , 2017, 232, 561-569.	5.2	68
27	Pt-Cu nanooctahedra: synthesis and comparative study with nanocubes on their electrochemical catalytic performance. <i>Chemical Science</i> , 2012, 3, 3302.	7.4	65
28	Evolution of Self-Assembled ZnTe Magic-Sized Nanoclusters. <i>Journal of the American Chemical Society</i> , 2015, 137, 742-749.	13.7	58
29	Graphene oxide co-doped with nitrogen and sulfur and decorated with cobalt phosphide nanorods: An efficient hybrid catalyst for electrochemical hydrogen evolution. <i>Electrochimica Acta</i> , 2016, 222, 246-256.	5.2	57
30	Reversible Kirkwood-Alder Transition Observed in Pt ₃ Cu ₂ Nanooctahedron Assemblies under Controlled Solvent Annealing/Drying Conditions. <i>Journal of the American Chemical Society</i> , 2012, 134, 14043-14049.	13.7	52
31	Low Packing Density Self-Assembled Superstructure of Octahedral Pt ₃ Ni Nanocrystals. <i>Nano Letters</i> , 2011, 11, 2912-2918.	9.1	50
32	Competing Interactions between Various Entropic Forces toward Assembly of Pt ₃ Ni Octahedra into a Body-Centered Cubic Superlattice. <i>Nano Letters</i> , 2016, 16, 2792-2799.	9.1	48
33	Interlayer expanded lamellar CoSe ₂ on carbon paper as highly efficient and stable overall water splitting electrodes. <i>Electrochimica Acta</i> , 2017, 241, 106-115.	5.2	48
34	Yolk-shell structured SnSe as a high-performance anode for Na-ion batteries. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 562-565.	6.0	48
35	Concaving AgI sub-microparticles for enhanced photocatalysis. <i>Nano Energy</i> , 2014, 9, 204-211.	16.0	45
36	Lamellar structured CoSe ₂ nanosheets directly arrayed on Ti plate as an efficient electrochemical catalyst for hydrogen evolution. <i>Electrochimica Acta</i> , 2016, 217, 156-162.	5.2	45

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37	MoS ₂ nanosheets supported gold nanoparticles for electrochemical nitrogen fixation at various pH value. <i>Electrochimica Acta</i> , 2019, 317, 34-41.	5.2	44
38	Partial positively charged Pt in Pt/MgAl ₂ O ₄ for enhanced dehydrogenation activity. <i>Applied Catalysis B: Environmental</i> , 2021, 288, 119996.	20.2	44
39	Highly Enhanced Exciton Recombination Rate by Strong Electron-Phonon Coupling in Single ZnTe Nanobelt. <i>Nano Letters</i> , 2012, 12, 6420-6427.	9.1	43
40	p ⁺ -Type Field-Effect Transistors of Single-Crystal Zinc Telluride Nanobelts. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 9469-9471.	13.8	41
41	NiS nanoparticle decorated MoS ₂ nanosheets as efficient promoters for enhanced solar H ₂ evolution over Zn _x Cd _{1-x} S nanorods. <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 1042-1047.	6.0	41
42	A dendritic core-shell Cu@PtCu alloy electrocatalyst resulting in an enhanced electron transfer ability and boosted surface active sites for an improved methanol oxidation reaction. <i>Chemical Communications</i> , 2017, 53, 7457-7460.	4.1	40
43	Synthesis of PbSeTe Single Ternary Alloy and Core/Shell Heterostructured Nanocubes. <i>Journal of the American Chemical Society</i> , 2011, 133, 17590-17593.	13.7	39
44	Porous Co-Mo phosphide nanotubes: an efficient electrocatalyst for hydrogen evolution. <i>Journal of Materials Science</i> , 2017, 52, 10406-10417.	3.7	39
45	Identifying the role of Ni and Fe in Ni-Fe co-doped orthorhombic CoSe ₂ for driving enhanced electrocatalytic activity for oxygen evolution reaction. <i>Electrochimica Acta</i> , 2020, 335, 135682.	5.2	39
46	Ultrafast Charge Separation from Highly Reductive ZnTe/CdSe Type II Quantum Dots. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 2052-2058.	4.6	38
47	In-situ doping-induced lattice strain of NiCoP/S nanocrystals for robust wide pH hydrogen evolution electrocatalysis and supercapacitor. <i>Journal of Energy Chemistry</i> , 2022, 70, 27-35.	12.9	32
48	Directed self-assembly pathways of three-dimensional Pt/Pd nanocrystal superlattice electrocatalysts for enhanced methanol oxidation reaction. <i>Journal of Materials Chemistry A</i> , 2018, 6, 12759-12767.	10.3	31
49	Composition and size tailored synthesis of iron selenide nanoflakes. <i>CrystEngComm</i> , 2010, 12, 4386.	2.6	30
50	Entropy-Driven Pt ₃ Co Nanocube Assembles and Thermally Mediated Electrical Conductivity with Anisotropic Variation of the Rhombohedral Superlattice. <i>Nano Letters</i> , 2017, 17, 362-367.	9.1	29
51	Ultra-small Co/CoO nanoparticles dispersed on N-doped carbon nanosheets for highly efficient electrocatalytic oxygen evolution reaction. <i>Journal of Energy Chemistry</i> , 2021, 55, 345-354.	12.9	29
52	Monodisperse and highly active PtNi nanoparticles for O ₂ reduction. <i>Electrochemistry Communications</i> , 2009, 11, 2278-2281.	4.7	28
53	Synthesis of V-doped urchin-like NiCo ₂ O ₄ with rich oxygen vacancies for electrocatalytic oxygen evolution reactions. <i>Electrochimica Acta</i> , 2022, 406, 139800.	5.2	25
54	MoP supported on reduced graphene oxide for high performance electrochemical nitrogen reduction. <i>Dalton Transactions</i> , 2020, 49, 988-992.	3.3	20

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55	The facile synthesis of core-shell PtCu nanoparticles with superior electrocatalytic activity and stability in the hydrogen evolution reaction. <i>RSC Advances</i> , 2021, 11, 26326-26335.	3.6	20
56	Compositional Tuning of Structural Stability of Lithiated Cubic Titania via a Vacancy-Filling Mechanism under High Pressure. <i>Physical Review Letters</i> , 2013, 110, 078304.	7.8	17
57	Solar-driven Pt modified hollow structured CdS photocatalyst for efficient hydrogen evolution. <i>RSC Advances</i> , 2014, 4, 36665.	3.6	15
58	Generalized Synthesis of Uniform Metal Nanoparticles Assisted with Tungsten Hexacarbonyl. <i>Chemistry of Materials</i> , 2019, 31, 4325-4329.	6.7	15
59	Hierarchical Cu ₃ P-based nanoarrays on nickel foam as efficient electrocatalysts for overall water splitting. <i>Green Energy and Environment</i> , 2022, 7, 236-245.	8.7	15
60	High-indexed Pt ₃ Fe Nanocatalysts and Their Enhanced Catalytic Performance in Dual Organic Reactions. <i>ChemNanoMat</i> , 2015, 1, 331-337.	2.8	14
61	Mild synthesis of monodisperse tin nanocrystals and tin chalcogenide hollow nanostructures. <i>Chemical Communications</i> , 2017, 53, 11001-11004.	4.1	14
62	Monodisperse tin nanoparticles and hollow tin oxide nanospheres as anode materials for high performance lithium ion batteries. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 473-476.	6.0	14
63	Silver Iodide Nanospheres Wrapped in Reduced Graphene Oxide for Enhanced Photocatalysis. <i>ChemCatChem</i> , 2015, 7, 2918-2923.	3.7	13
64	Is CO adequate to facilitate the formation of Pt ₃ M (M = Fe, Ni and Co) nanocubes?. <i>Chemical Communications</i> , 2013, 49, 3955.	4.1	9
65	An efficient and stable coral-like CoFeS ₂ for wearable flexible all-solid-state asymmetric supercapacitor applications. <i>New Journal of Chemistry</i> , 2021, 45, 16606-16616.	2.8	8
66	Syntheses of Ag, PbSe, and PbTe Nanocrystals and Their Binary Self-Assembly Exploration at Low Size-ratio. <i>Journal of Nanoscience and Nanotechnology</i> , 2006, 6, 1662-1666.	0.9	6
67	Constructing RuCoO _x /NC Nanosheets with Low Crystallinity within ZIF-9 as Bifunctional Catalysts for Highly Efficient Overall Water Splitting. <i>Chemistry - an Asian Journal</i> , 2021, 16, 2511-2519.	3.3	6
68	Controllable synthesis of platinum-tin intermetallic nanoparticles with high electrocatalytic performance for ethanol oxidation. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 1143-1151.	6.0	5
69	Synthesis of P-doped NiS as an electrode material for supercapacitors with enhanced rate capability and cycling stability. <i>New Journal of Chemistry</i> , 2022, 46, 6461-6469.	2.8	5
70	The Effects of Dynamic Transformation on the Formation of Pt-M (M = Ni, Fe) Nanocrystals. <i>MRS Advances</i> , 2019, 4, 1377-1382.	0.9	1
71	Synthesis and characterization of a series of complexes with enhanced visible-light photocatalytic hydrogen evolution. <i>Journal of Chemical Research</i> , 2022, 46, 1747519822110855.	1.3	1
72	A novel organic-inorganic hybrid composition for controllably synthesizing AgI nanocrystals. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	0