Jingtong Zhang

List of Publications by Year
in descending order

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72	6,446	71102	76900
papers	citations	41 h-index	74 g-index

77	77	77	8029
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Hierarchical Cu3P-based nanoarrays on nickel foam as efficient electrocatalysts for overall water splitting. Green Energy and Environment, 2022, 7, 236-245.	8.7	15
2	Synthesis of V-doped urchin-like NiCo2O4 with rich oxygen vacancies for electrocatalytic oxygen evolution reactions. Electrochimica Acta, 2022, 406, 139800.	5.2	25
3	Dual Role of Pyridinic-N Doping in Carbon-Coated Ni Nanoparticles for Highly Efficient Electrochemical CO₂ Reduction to CO over a Wide Potential Range. ACS Catalysis, 2022, 12, 1364-1374.	11.2	73
4	Controllable synthesis of platinumâ€“tin intermetallic nanoparticles with high electrocatalytic performance for ethanol oxidation. Inorganic Chemistry Frontiers, 2022, 9, 1143-1151.	6.0	5
5	Synthesis of P-doped NiS as an electrode material for supercapacitors with enhanced rate capability and cycling stability. New Journal of Chemistry, 2022, 46, 6461-6469.	2.8	5
6	Synthesis and characterization of a series of complexes with enhanced visible-light photocatalytic hydrogen evolution. Journal of Chemical Research, 2022, 46, 174751982210855.	1.3	1
7	In-situ doping-induced lattice strain of NiCoP/S nanocrystals for robust wide pH hydrogen evolution electrocatalysis and supercapacitor. Journal of Energy Chemistry, 2022, 70, 27-35.	12.9	32
8	High-precision regulation synthesis of Fe-doped Co2P 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
9	Ultra-small Co/CoO nanoparticles dispersed on N-doped carbon nanosheets for highly efficient electrocatalytic oxygen evolution reaction. Journal of Energy Chemistry, 2021, 55, 345-354.	12.9	29
10	An efficient and stable coral-like CoFeS₂ for wearable flexible all-solid-state asymmetric supercapacitor applications. New Journal of Chemistry, 2021, 45, 16606-16616.	2.8	8
11	The facile synthesis of coreâ€“shell PtCu nanoparticles with superior electrocatalytic activity and stability in the hydrogen evolution reaction. RSC Advances, 2021, 11, 26326-26335.	3.6	20
12	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
13	Partial positively charged Pt in Pt/MgAl2O4 for enhanced dehydrogenation activity. Applied Catalysis B: Environmental, 2021, 288, 119996.	20.2	44
14	Constructing RuCoO_x/NC Nanosheets with Low Crystallinity within ZIFâ€9 as Bifunctional Catalysts for Highly Efficient Overall Water Splitting. Chemistry - an Asian Journal, 2021, 16, 2511-2519.	3.3	6
15	Phosphorus Induced Electron Localization of Single Iron Sites for Boosted CO₂ Electroreduction Reaction. Angewandte Chemie - International Edition, 2021, 60, 23614-23618.	13.8	197
16	MoP supported on reduced graphene oxide for high performance electrochemical nitrogen reduction. Dalton Transactions, 2020, 49, 988-992.	3.3	20
17	Identifying the role of Ni and Fe in Niâ€“Fe co-doped orthorhombic CoSe2 for driving enhanced electrocatalytic activity for oxygen evolution reaction. Electrochimica Acta, 2020, 335, 135682.	5.2	39
18	High conductivity Ni12P5 nanowires as high-rate electrode material for battery-supercapacitor hybrid devices. Chemical Engineering Journal, 2020, 392, 123661.	12.7	78

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19	Mo doping induced metallic CoSe for enhanced electrocatalytic hydrogen evolution. Applied Catalysis B: Environmental, 2020, 268, 118467.	20.2	93
20	Construction of CoP/NiCoP Nanotadpoles Heterojunction Interface for Wide pH Hydrogen Evolution Electrocatalysis and Supercapacitor. Advanced Energy Materials, 2019, 9, 1901213.	19.5	275
21	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
22	P-Doped Ironâ€“Nickel Sulfide Nanosheet Arrays for Highly Efficient Overall Water Splitting. ACS Applied Materials & Interfaces, 2019, 11, 27667-27676.	8.0	155
23	Monodisperse tin nanoparticles and hollow tin oxide nanospheres as anode materials for high performance lithium ion batteries. Inorganic Chemistry Frontiers, 2019, 6, 473-476.	6.0	14
24	Yolkâ€“shell structured SnSe as a high-performance anode for Na-ion batteries. Inorganic Chemistry Frontiers, 2019, 6, 562-565.	6.0	48
25	MoS2 nanosheets supported gold nanoparticles for electrochemical nitrogen fixation at various pH value. Electrochimica Acta, 2019, 317, 34-41.	5.2	44
26	SnP0.94 nanoplates/graphene oxide composite for novel potassium-ion battery anode. Chemical Engineering Journal, 2019, 370, 677-683.	12.7	77
27	Generalized Synthesis of Uniform Metal Nanoparticles Assisted with Tungsten Hexacarbonyl. Chemistry of Materials, 2019, 31, 4325-4329.	6.7	15
28	The Effects of Dynamic Transformation on the Formation of Pt-M (M = Ni, Fe) Nanocrystals. MRS Advances, 2019, 4, 1377-1382.	0.9	1
29	Directed self-assembly pathways of three-dimensional Pt/Pd nanocrystal superlattice electrocatalysts for enhanced methanol oxidationÂreaction. Journal of Materials Chemistry A, 2018, 6, 12759-12767.	10.3	31
30	High-Indexed Pt₃Ni Alloy Tetrahexahedral Nanoframes Evolved through Preferential CO Etching. Nano Letters, 2017, 17, 2204-2210.	9.1	113
31	A dendritic coreâ€“shell Cu@PtCu alloy electrocatalyst resulting in an enhanced electron transfer ability and boosted surface active sites for an improved methanol oxidation reaction. Chemical Communications, 2017, 53, 7457-7460.	4.1	40
32	Interlayer expanded lamellar CoSe 2 on carbon paper as highly efficient and stable overall water splitting electrodes. Electrochimica Acta, 2017, 241, 106-115.	5.2	48
33	NiS nanoparticle decorated MoS₂ nanosheets as efficient promoters for enhanced solar H₂ evolution over Zn_xCd_{1âˆ’x}S nanorods. Inorganic Chemistry Frontiers, 2017, 4, 1042-1047.	6.0	41
34	Porous Coâ€“Mo phosphide nanotubes: an efficient electrocatalyst for hydrogen evolution. Journal of Materials Science, 2017, 52, 10406-10417.	3.7	39
35	CoP nanorods decorated biomass derived N, P co-doped carbon flakes as an efficient hybrid catalyst for electrochemical hydrogen evolution. Electrochimica Acta, 2017, 232, 561-569.	5.2	68
36	Entropy-Driven Pt₃Co Nanocube Assembles and Thermally Mediated Electrical Conductivity with Anisotropic Variation of the Rhombohedral Superlattice. Nano Letters, 2017, 17, 362-367.	9.1	29

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37	Mild synthesis of monodisperse tin nanocrystals and tin chalcogenide hollow nanostructures. Chemical Communications, 2017, 53, 11001-11004.	4.1	14
38	A novel organic-inorganic hybrid composition for controllably synthesizing AgI nanocrystals. AIP Conference Proceedings, 2017, , .	0.4	0
39	Lamellar structured CoSe 2 nanosheets directly arrayed on Ti plate as an efficient electrochemical catalyst for hydrogen evolution. Electrochimica Acta, 2016, 217, 156-162.	5.2	45
40	Graphene oxide co-doped with nitrogen and sulfur and decorated with cobalt phosphide nanorods: An efficient hybrid catalyst for electrochemical hydrogen evolution. Electrochimica Acta, 2016, 222, 246-256.	5.2	57
41	Ultrathin Co(Ni)-doped MoS2 nanosheets as catalytic promoters enabling efficient solar hydrogen production. Nano Research, 2016, 9, 2284-2293.	10.4	80
42	Competing Interactions between Various Entropic Forces toward Assembly of Pt₃Ni Octahedra into a Body-Centered Cubic Superlattice. Nano Letters, 2016, 16, 2792-2799.	9.1	48
43	Plasmonic silver incorporated silver halides for efficient photocatalysis. Journal of Materials Chemistry A, 2016, 4, 4336-4352.	10.3	121
44	Silver Iodide Nanospheres Wrapped in Reduced Graphene Oxide for Enhanced Photocatalysis. ChemCatChem, 2015, 7, 2918-2923.	3.7	13
45	Highâ€Indexed Pt₃Fe Nanocatalysts and Their Enhanced Catalytic Performance in Dual Organic Reactions. ChemNanoMat, 2015, 1, 331-337.	2.8	14
46	Evolution of Self-Assembled ZnTe Magic-Sized Nanoclusters. Journal of the American Chemical Society, 2015, 137, 742-749.	13.7	58
47	Concaving AgI sub-microparticles for enhanced photocatalysis. Nano Energy, 2014, 9, 204-211.	16.0	45
48	Enhanced Visibleâ€Light Photocatalytic H₂ Production by Zn_xCd<sub>1â<sup>x</sub>S Modified with Earthâ€Abundant Nickelâ€Based Cocatalysts. ChemSusChem, 2014, 7, 3426-3434.	6.8	164
49	Ternary NiS/Zn_xCd_{1â€x}S/Reduced Graphene Oxide Nanocomposites for Enhanced Solar Photocatalytic H₂â€Production Activity. Advanced Energy Materials, 2014, 4, 1301925.	19.5	244
50	Solar-driven Pt modified hollow structured CdS photocatalyst for efficient hydrogen evolution. RSC Advances, 2014, 4, 36665.	3.6	15
51	Is CO adequate to facilitate the formation of Pt3M (M = Fe, Ni and Co) nanocubes?. Chemical Communications, 2013, 49, 3955.	4.1	9
52	Compositional Tuning of Structural Stability of Lithiated Cubic Titania via a Vacancy-Filling Mechanism under High Pressure. Physical Review Letters, 2013, 110, 078304.	7.8	17
53	Highly Enhanced Exciton Recombination Rate by Strong Electronâ€“Phonon Coupling in Single ZnTe Nanobelt. Nano Letters, 2012, 12, 6420-6427.	9.1	43
54	Ultrafast Charge Separation from Highly Reductive ZnTe/CdSe Type II Quantum Dots. Journal of Physical Chemistry Letters, 2012, 3, 2052-2058.	4.6	38

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55	Reversible Kirkwoodâ€“Alder Transition Observed in Pt₃Cu₂ Nanoctahedron Assemblies under Controlled Solvent Annealing/Drying Conditions. Journal of the American Chemical Society, 2012, 134, 14043-14049.	13.7	52
56	Noble Metal-Free Reduced Graphene Oxide-Zn_xCd_{1â€“x}S Nanocomposite with Enhanced Solar Photocatalytic H₂-Production Performance. Nano Letters, 2012, 12, 4584-4589.	9.1	845
57	Ptâ€“Cu nanoctahedra: synthesis and comparative study with nanocubes on their electrochemical catalytic performance. Chemical Science, 2012, 3, 3302.	7.4	65
58	Low Packing Density Self-Assembled Superstructure of Octahedral Pt₃Ni Nanocrystals. Nano Letters, 2011, 11, 2912-2918.	9.1	50
59	Synthesis and Characterization of Wurtzite ZnTe Nanorods with Controllable Aspect Ratios. Journal of the American Chemical Society, 2011, 133, 15324-15327.	13.7	74
60	Synthesis of PbSeTe Single Ternary Alloy and Core/Shell Heterostructured Nanocubes. Journal of the American Chemical Society, 2011, 133, 17590-17593.	13.7	39
61	Monodisperse Pt₃Fe Nanocubes: Synthesis, Characterization, Selfâ€Assembly, and Electrocatalytic Activity. Advanced Functional Materials, 2010, 20, 3727-3733.	14.9	88
62	Enhancing by Weakening: Electrooxidation of Methanol on Pt₃Co and Pt Nanocubes. Angewandte Chemie - International Edition, 2010, 49, 6848-6851.	13.8	183
63	Synthesis and Oxygen Reduction Activity of Shape-Controlled Pt₃Ni Nanopolyhedra. Nano Letters, 2010, 10, 638-644.	9.1	744
64	Composition and size tailored synthesis of iron selenide nanoflakes. CrystEngComm, 2010, 12, 4386.	2.6	30
65	Solutionâ€Based Evolution and Enhanced Methanol Oxidation Activity of Monodisperse Platinumâ€“Copper Nanocubes. Angewandte Chemie - International Edition, 2009, 48, 4217-4221.	13.8	367
66	Monodisperse and highly active PtNi nanoparticles for O2 reduction. Electrochemistry Communications, 2009, 11, 2278-2281.	4.7	28
67	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
68	Coreduction Colloidal Synthesis of IIIâ€“V Nanocrystals: The Case of InP. Angewandte Chemie - International Edition, 2008, 47, 3540-3542.	13.8	84
69	pâ€Type Fieldâ€Effect Transistors of Singleâ€Crystal Zinc Telluride Nanobelts. Angewandte Chemie - International Edition, 2008, 47, 9469-9471.	13.8	41
70	Simple Cubic Super Crystals Containing PbTe Nanocubes and Their Coreâ^'Shell Building Blocks. Journal of the American Chemical Society, 2008, 130, 15203-15209.	13.7	80
71	Shape-Control of ZnTe Nanocrystal Growth in Organic Solution. Journal of Physical Chemistry C, 2008, 112, 5454-5458.	3.1	84
72	Syntheses of Ag, PbSe, and PbTe Nanocrystals and Their Binary Self-Assembly Exploration at Low Size-ratio. Journal of Nanoscience and Nanotechnology, 2006, 6, 1662-1666.	0.9	6