

Yiqiang Sun

List of Publications by Year in descending order

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42
papers

2,460
citations

201674

27
h-index

276875

41
g-index

42
all docs

42
docs citations

42
times ranked

3355
citing authors

#	ARTICLE	IF	CITATIONS
1	Strong Electronic Interaction in Dual-Cation-Incorporated NiSe ₂ Nanosheets with Lattice Distortion for Highly Efficient Overall Water Splitting. <i>Advanced Materials</i> , 2018, 30, e1802121.	21.0	361
2	Mo doped Ni ₂ P nanowire arrays: an efficient electrocatalyst for the hydrogen evolution reaction with enhanced activity at all pH values. <i>Nanoscale</i> , 2017, 9, 16674-16679.	5.6	179
3	Yin-Yang Harmony: Metal and Nonmetal Dual-Doping Boosts Electrocatalytic Activity for Alkaline Hydrogen Evolution. <i>ACS Energy Letters</i> , 2018, 3, 2750-2756.	17.4	154
4	Periodic Porous Alloyed Au-Ag Nanosphere Arrays and Their Highly Sensitive SERS Performance with Good Reproducibility and High Density of Hotspots. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 9792-9801.	8.0	138
5	Compositional engineering of sulfides, phosphides, carbides, nitrides, oxides, and hydroxides for water splitting. <i>Journal of Materials Chemistry A</i> , 2020, 8, 13415-13436.	10.3	124
6	Hierarchical hetero-Ni ₃ Se ₄ @NiFe LDH micro/nanosheets as efficient bifunctional electrocatalysts with superior stability for overall water splitting. <i>Nanoscale Horizons</i> , 2019, 4, 1132-1138.	8.0	100
7	Complete Au@ZnO core-shell nanoparticles with enhanced plasmonic absorption enabling significantly improved photocatalysis. <i>Nanoscale</i> , 2016, 8, 10774-10782.	5.6	94
8	Nitrogen-Doped Cobalt Diselenide with Cubic Phase Maintained for Enhanced Alkaline Hydrogen Evolution. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 21575-21582.	13.8	94
9	One-Pot Controllable Synthesis of Au@Ag Heterogeneous Nanorods with Highly Tunable Plasmonic Absorption. <i>Chemistry of Materials</i> , 2013, 25, 2580-2590.	6.7	91
10	Fluorine-Induced Dual Defects in Cobalt Phosphide Nanosheets Enhance Hydrogen Evolution Reaction Activity. , 2020, 2, 736-743.		81
11	Direct selenylation of mixed Ni/Fe metal-organic frameworks to NiFe-Se/C nanorods for overall water splitting. <i>Journal of Power Sources</i> , 2017, 366, 193-199.	7.8	72
12	Hierarchical micro/nanostructured C doped Co/Co ₃ O ₄ hollow spheres derived from PS@Co(OH) ₂ for the oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2017, 5, 11163-11170.	10.3	61
13	Cu-Doped CoP Nanorod Arrays: Efficient and Durable Hydrogen Evolution Reaction Electrocatalysts at All pH Values. <i>ACS Applied Energy Materials</i> , 2018, 1, 3835-3842.	5.1	58
14	Rapid and Efficient Self-Assembly of Au@ZnO Core-Shell Nanoparticle Arrays with an Enhanced and Tunable Plasmonic Absorption for Photoelectrochemical Hydrogen Generation. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 31897-31906.	8.0	53
15	Mn doped porous cobalt nitride nanowires with high activity for water oxidation under both alkaline and neutral conditions. <i>Chemical Communications</i> , 2017, 53, 13237-13240.	4.1	53
16	Ni _{0.33} Co _{0.67} MoS ₄ nanosheets as a bifunctional electrolytic water catalyst for overall water splitting. <i>Journal of Materials Chemistry A</i> , 2018, 6, 19555-19562.	10.3	50
17	Ru Colloidosome Catalysts for the Hydrogen Oxidation Reaction in Alkaline Media. <i>Journal of the American Chemical Society</i> , 2022, 144, 11138-11147.	13.7	47
18	Strongly coupled dual zerovalent nonmetal doped nickel phosphide Nanoparticles/N, B-graphene hybrid for pH-Universal hydrogen evolution catalysis. <i>Applied Catalysis B: Environmental</i> , 2020, 278, 119284.	20.2	46

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19	Controlled synthesis of sponge-like porous Au@Ag alloy nanocubes for surface-enhanced Raman scattering properties. <i>Journal of Materials Chemistry C</i> , 2017, 5, 11039-11045.	5.5	45
20	PtPdAg Hollow Nanodendrites: Template-Free Synthesis and High Electrocatalytic Activity for Methanol Oxidation Reaction. <i>Small Methods</i> , 2020, 4, 1900709.	8.6	44
21	Surface Electronic Structure Modulation of Cobalt Nitride Nanowire Arrays via Selenium Deposition for Efficient Hydrogen Evolution. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	43
22	Hybrid Copper Iodide Cluster-Based Pellet Sensor for Highly Selective Optical Detection of o-Nitrophenol and Tetracycline Hydrochloride in Aqueous Solution. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 18863-18873.	6.7	41
23	Hollow FeP/Fe ₃ O ₄ Hybrid Nanoparticles on Carbon Nanotubes as Efficient Electrocatalysts for the Oxygen Evolution Reaction. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 12783-12792.	8.0	41
24	Bifunctional Hybrid Ni/Ni ₂ P Nanoparticles Encapsulated by Graphitic Carbon Supported with N, S Modified 3D Carbon Framework for Highly Efficient Overall Water Splitting. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800473.	3.7	40
25	Lattice distortion in hybrid NiTe ₂ /Ni(OH) ₂ nanosheets as efficient synergistic electrocatalyst for water and urea oxidation. <i>Journal of Power Sources</i> , 2020, 449, 227585.	7.8	40
26	Engineering of the d-Band Center of Perovskite Cobaltite for Enhanced Electrocatalytic Oxygen Evolution. <i>ChemSusChem</i> , 2020, 13, 2671-2676.	6.8	39
27	Design, Synthesis, and Photocatalytic Application of Moisture-Stable Hybrid Lead-Free Perovskite. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 54694-54702.	8.0	36
28	Laser-irradiation induced synthesis of spongy AuAgPt alloy nanospheres with high-index facets, rich grain boundaries and subtle lattice distortion for enhanced electrocatalytic activity. <i>Journal of Materials Chemistry A</i> , 2018, 6, 13735-13742.	10.3	32
29	Porous CoSe ₂ @N-doped carbon nanowires: an ultra-high stable and large-current-density oxygen evolution electrocatalyst. <i>Chemical Communications</i> , 2021, 57, 1774-1777.	4.1	27
30	Surface enhanced Raman scattering properties of dynamically tunable nanogaps between Au nanoparticles self-assembled on hydrogel microspheres controlled by pH. <i>Journal of Colloid and Interface Science</i> , 2017, 505, 467-475.	9.4	23
31	Dynamically Tunable Plasmonic Band for Reversible Colorimetric Sensors and Surface-Enhanced Raman Scattering Effect with Good Sensitivity and Stability. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 7494-7503.	8.0	22
32	Periodic nanostructured Au arrays on an Si electrode for high-performance electrochemical detection of hydrogen peroxide without an enzyme. <i>Journal of Materials Chemistry C</i> , 2016, 4, 9864-9871.	5.5	21
33	Photoinduced defect engineering: enhanced photocatalytic performance of 3D BiOCl nanoclusters with abundant oxygen vacancies. <i>CrystEngComm</i> , 2021, 23, 1305-1311.	2.6	20
34	Large-Scale Synthesis of Co/CoO Encapsulated in Nitrogen-, Oxygen-, and Sulfur-Tridoped Three-Dimensional Porous Carbon as Efficient Electrocatalysts for Hydrogen Evolution Reaction. <i>ACS Applied Energy Materials</i> , 2018, 1, 6250-6259.	5.1	15
35	Hierarchical Z-scheme Fe ₂ O ₃ @ZnIn ₂ S ₄ core-shell heterostructures with enhanced adsorption capacity enabling significantly improved photocatalytic CO ₂ reduction. <i>CrystEngComm</i> , 2020, 22, 8221-8227.	2.6	15
36	A universal route with fine kinetic control to a family of penta-twinned gold nanocrystals. <i>Chemical Science</i> , 2021, 12, 12631-12639.	7.4	15

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37	Nitrogen-Doped Cobalt Diselenide with Cubic Phase Maintained for Enhanced Alkaline Hydrogen Evolution. <i>Angewandte Chemie</i> , 2021, 133, 21745-21752.	2.0	14
38	Poly(sodium 4-styrenesulfonate) Assisted Room-Temperature Synthesis for the Mass Production of Bismuth Oxychloride Ultrathin Nanoplates with Enhanced Photocatalytic Activity. <i>ChemPlusChem</i> , 2019, 84, 828-837.	2.8	10
39	Encapsulated ruthenium nanoparticles activated few-layer carbon frameworks as high robust oxygen evolution electrocatalysts in acidic media. <i>Journal of Colloid and Interface Science</i> , 2022, 612, 488-495.	9.4	10
40	Ultrathin covalent and cuprophilic interaction-assembled copper-sulfur monolayer in organic metal chalcogenide for oriented photoconductivity. <i>Chemical Communications</i> , 2022, 58, 2858-2861.	4.1	7
41	Morphology and electronic modulation of composite nanosheets for electrocatalytic oxygen evolution through partial and <i>in situ</i> transformation of NiFe-LDH. <i>CrystEngComm</i> , 2021, 23, 1572-1577.	2.6	3
42	Nitrogen-doped carbon encapsulating a RuCo heterostructure for enhanced electrocatalytic overall water splitting. <i>CrystEngComm</i> , 2022, 24, 4208-4214.	2.6	1