

Jun Jin

List of Publications by Year in descending order

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75
papers

4,158
citations

87888

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114465

63
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all docs

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docs citations

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times ranked

5755
citing authors

#	ARTICLE	IF	CITATIONS
1	Room chemical bath temperature deposition of Mn:FeOOH on BiVO ₄ photoanode to enhance water oxidation. <i>Journal of Alloys and Compounds</i> , 2022, 894, 162571.	5.5	11
2	Mxene coupled over nitrogen-doped graphene anchoring palladium nanocrystals as an advanced electrocatalyst for the ethanol electrooxidation. <i>Journal of Colloid and Interface Science</i> , 2022, 610, 944-952.	9.4	16
3	In ₂ S ₃ /F-Fe ₂ O ₃ type-II heterojunction bonded by interfacial S-O for enhanced charge separation and transport in photoelectrochemical water oxidation. <i>Applied Catalysis B: Environmental</i> , 2022, 305, 121011.	20.2	79
4	Modulation of the Chemical Microenvironment at the Hematite-Based Photoanode Interface with a Covalent Triazine Framework for Efficient Photoelectrochemical Water Oxidation. <i>ACS Catalysis</i> , 2022, 12, 3700-3709.	11.2	44
5	Dual-doping in the bulk and the surface to ameliorate the hematite anode for photoelectrochemical water oxidation. <i>Journal of Colloid and Interface Science</i> , 2022, 624, 60-69.	9.4	17
6	Spinel-type ferrites decorated ZnO for enhanced photoelectrochemical water splitting. <i>Optical Materials</i> , 2022, 129, 112451.	3.6	5
7	Revealing the Essential Role of Iron Phosphide and its Surface-Evolved Species in the Photoelectrochemical Water Oxidation by Gd-Doped Hematite Photoanode. <i>ChemSusChem</i> , 2022, 15, .	6.8	13
8	Achieving surface-sealing of hematite nanoarray photoanode with controllable metal-organic frameworks shell for enhanced photoelectrochemical water oxidation. <i>Journal of Catalysis</i> , 2022, 413, 398-406.	6.2	15
9	Synergistic two- and three-dimensional morphology engineering of pyrite-type CoPS to boost hydrogen evolution over wide pH range. <i>Journal of Power Sources</i> , 2021, 484, 229144.	7.8	7
10	Hole extraction and injection pathways constructed by the in situ growth of ultra-thin Fe-doped NiOOH Co-catalysts on a fluorine-doped γ -Fe ₂ O ₃ photoanode. <i>Journal of Power Sources</i> , 2021, 482, 228957.	7.8	26
11	Engineering three-dimensional nitrogen-doped carbon black embedding nitrogen-doped graphene anchoring ultrafine surface-clean Pd nanoparticles as efficient ethanol oxidation electrocatalyst. <i>Applied Catalysis B: Environmental</i> , 2021, 280, 119464.	20.2	90
12	The enhanced water splitting activity of a ZnO-based photoanode by modification with self-doped lanthanum ferrite. <i>Nanoscale</i> , 2021, 13, 11215-11222.	5.6	9
13	Bifunctional citrate-Ni _{0.9} Co _{0.1} (OH) layer coated fluorine-doped hematite for simultaneous hole extraction and injection towards efficient photoelectrochemical water oxidation. <i>Nanoscale</i> , 2021, 13, 14197-14206.	5.6	16
14	Decorating the Cocatalyst Membrane with Coordinated Tannic Acid and Ternary Metal for Advancing Photoelectrochemical Performance of F-Doped Hematite Photoanodes. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 13047-13055.	6.7	12
15	Surface Reconstruction of Cobalt Species on Amorphous Cobalt Silicate-Coated Fluorine-Doped Hematite for Efficient Photoelectrochemical Water Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 47572-47580.	8.0	50
16	Layered Double Hydroxide onto Perovskite Oxide-Decorated ZnO Nanorods for Modulation of Carrier Transfer Behavior in Photoelectrochemical Water Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 2452-2459.	8.0	40
17	Activating a hematite nanorod photoanode via fluorine-doping and surface fluorination for enhanced oxygen evolution reaction. <i>Nanoscale</i> , 2020, 12, 3259-3266.	5.6	40
18	Boosting Hole Transfer in the Fluorine-Doped Hematite Photoanode by Depositing Ultrathin Amorphous FeOOH/CoOOH Cocatalysts. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 49705-49712.	8.0	76

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19	Coupling palladium nanocrystals over D-phenylalanine-functionalized carbon nanotubes as an advanced electrocatalyst for hydrogen evolution and ethanol oxidation. <i>Electrochimica Acta</i> , 2020, 364, 137290.	5.2	9
20	A oxygen vacancy-modulated homojunction structural CuBi_2O_4 photocathodes for efficient solar water reduction. <i>Nanoscale</i> , 2020, 12, 15193-15200.	5.6	29
21	Conformally Coupling CoAl-Layered Double Hydroxides on Fluorine-Doped Hematite: Surface and Bulk Co-Modification for Enhanced Photoelectrochemical Water Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 29799-29806.	8.0	68
22	Palladium Nanoparticles with Surface Enrichment of Palladium Oxide Species Immobilized on the Aniline-Functionalized Graphene As an Advanced Electrocatalyst of Ethanol Oxidation. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 14621-14628.	6.7	31
23	Facile growth of AgVO_3 nanoparticles on Mo-doped BiVO_4 film for enhanced photoelectrochemical water oxidation. <i>Chemical Engineering Journal</i> , 2019, 378, 122193.	12.7	63
24	Rationally Designed Heterojunction on a CuBi_2O_4 Photocathode for Improved Activity and Stability during Photoelectrochemical Water Reduction. <i>ChemElectroChem</i> , 2019, 6, 3367-3374.	3.4	30
25	Bamboo shoots shaped FeVO_4 passivated ZnO nanorods photoanode for improved charge separation/transfer process towards efficient solar water splitting. <i>Applied Catalysis B: Environmental</i> , 2019, 257, 117813.	20.2	77
26	Unraveling the Cooperative Synergy of Palladium/Tin Oxide/Aniline-Functionalized Carbon Nanotubes Enabled by Layer-by-Layer Synthetic Strategy for Ethanol Electrooxidation. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 10008-10015.	6.7	23
27	Nano-Cu-Mediated Multi-Site Approach to Ultrafine MoO_2 Nanoparticles on Poly(diallyldimethylammonium chloride)-Decorated Reduced Graphene Oxide for Hydrogen Evolution Electrocatalysis. <i>ChemSusChem</i> , 2019, 12, 441-448.	6.8	19
28	Covalent functionalization of black phosphorus nanoflakes by carbon free radicals for durable air and water stability. <i>Nanoscale</i> , 2018, 10, 5834-5839.	5.6	90
29	Polythiophene coated CuBi_2O_4 networks: A porous inorganic-organic hybrid heterostructure for enhanced photoelectrochemical hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 2064-2072.	7.1	34
30	Palladium Nanoparticles Anchored on Three-Dimensional Nitrogen-Doped Carbon Nanotubes as a Robust Electrocatalyst for Ethanol Oxidation. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 7918-7923.	6.7	50
31	N,Cu-Codoped Carbon Nanosheet/ $\text{Au/CuBi}_2\text{O}_4$ Photocathodes for Efficient Photoelectrochemical Water Splitting. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 7257-7264.	6.7	48
32	Ultrafine CoPS nanoparticles encapsulated in N, P, and S tri-doped porous carbon as an efficient bifunctional water splitting electrocatalyst in both acid and alkaline solutions. <i>Journal of Materials Chemistry A</i> , 2018, 6, 10433-10440.	10.3	72
33	Construction of an efficient hole migration pathway on hematite for efficient photoelectrochemical water oxidation. <i>Journal of Materials Chemistry A</i> , 2018, 6, 23478-23485.	10.3	73
34	Heterojunction and Oxygen Vacancy Modification of ZnO Nanorod Array Photoanode for Enhanced Photoelectrochemical Water Splitting. <i>ChemSusChem</i> , 2018, 11, 4094-4101.	6.8	42
35	NiO Nanoparticles Anchored on Phosphorus-Doped Fe_2O_3 Nanoarrays: An Efficient Hole Extraction in Heterojunction Photoanode for Water Oxidation. <i>ChemSusChem</i> , 2018, 11, 2156-2164.	6.8	69
36	Phosphorus Dual-Doped MoO_2 Nanosheet/Multiwalled Carbon Nanotube Hybrid as Efficient Electrocatalyst for Hydrogen Evolution. <i>ChemElectroChem</i> , 2018, 5, 2660-2665.	3.4	26

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37	Palladium nanoparticles anchored on NCNTs@NGS with a three-dimensional sandwich-stacked framework as an advanced electrocatalyst for ethanol oxidation. <i>Journal of Materials Chemistry A</i> , 2018, 6, 14717-14724.	10.3	40
38	Negatively charged 2D black phosphorus for highly efficient covalent functionalization. <i>Materials Chemistry Frontiers</i> , 2018, 2, 1700-1706.	5.9	56
39	Dual Modification of a BiVO ₄ Photoanode for Enhanced Photoelectrochemical Performance. <i>ChemSusChem</i> , 2018, 11, 2502-2509.	6.8	84
40	Facile regrowth of Mg-Fe ₂ O ₃ /P-Fe ₂ O ₃ homojunction photoelectrode for efficient solar water oxidation. <i>Journal of Materials Chemistry A</i> , 2018, 6, 13412-13418.	10.3	80
41	In situ growth of ultrathin Ni-Fe LDH nanosheets for high performance oxygen evolution reaction. <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 1173-1181.	6.0	57
42	Layer-by-layer fabrication of polydopamine functionalized carbon nanotubes-ceria-palladium nanohybrids for boosting ethanol electrooxidation. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 13209-13216.	7.1	17
43	Nitrogen-doped truncated carbon nanotubes inserted into nitrogen-doped graphene nanosheets with a sandwich structure: a highly efficient metal-free catalyst for the HER. <i>Journal of Materials Chemistry A</i> , 2017, 5, 6405-6410.	10.3	38
44	The green synthesis of ultrafine palladium-phosphorus alloyed nanoparticles anchored on polydopamine functionalized graphene used as an excellent electrocatalyst for ethanol oxidation. <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 1881-1887.	6.0	28
45	Lateral-Size-Mediated Efficient Oxygen Evolution Reaction: Insights into the Atomically Thin Quantum Dot Structure of NiFe ₂ O ₄ . <i>ACS Catalysis</i> , 2017, 7, 5557-5567.	11.2	156
46	Ultrafine palladium-gold-phosphorus ternary alloyed nanoparticles anchored on ionic liquids-noncovalently functionalized carbon nanotubes with excellent electrocatalytic property for ethanol oxidation reaction in alkaline media. <i>Journal of Catalysis</i> , 2017, 353, 256-264.	6.2	64
47	Crystal lattice distortion in ultrathin Co(OH) ₂ nanosheets inducing elongated Co-OH bonds for highly efficient oxygen evolution reaction. <i>Green Chemistry</i> , 2017, 19, 5809-5817.	9.0	43
48	Self-assembly of cobalt-centered metal organic framework and multiwalled carbon nanotubes hybrids as a highly active and corrosion-resistant bifunctional oxygen catalyst. <i>Journal of Power Sources</i> , 2016, 326, 50-59.	7.8	118
49	Polydopamine-functionalized multi-walled carbon nanotubes-supported palladium-lead bimetallic alloy nanoparticles as highly efficient and robust catalysts for ethanol oxidation. <i>RSC Advances</i> , 2016, 6, 90462-90469.	3.6	13
50	Coaxial ultrathin Co _{1-x} Fe _x O _x nanosheet coating on carbon nanotubes for water oxidation with excellent activity. <i>RSC Advances</i> , 2016, 6, 80613-80620.	3.6	15
51	Ultrafine Co ₂ P nanoparticles encapsulated in nitrogen and phosphorus dual-doped porous carbon nanosheet/carbon nanotube hybrids: high-performance bifunctional electrocatalysts for overall water splitting. <i>Journal of Materials Chemistry A</i> , 2016, 4, 15501-15510.	10.3	90
52	Ionic liquids-noncovalently functionalized multi-walled carbon nanotubes decorated with palladium nanoparticles: A promising electrocatalyst for ethanol electrooxidation. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 12358-12368.	7.1	20
53	Nitrogen-doped mesoporous carbon nanosheet/carbon nanotube hybrids as metal-free bi-functional electrocatalysts for water oxidation and oxygen reduction. <i>Journal of Materials Chemistry A</i> , 2016, 4, 13133-13141.	10.3	116
54	Controllable orientation-dependent crystal growth of high-index faceted dendritic NiCo ₂ nanosheets as high-performance bifunctional electrocatalysts for overall water splitting. <i>Journal of Materials Chemistry A</i> , 2016, 4, 18499-18508.	10.3	51

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55	Precious-metal-free Co _x Fe _{1-x} O _x coupled nitrogen-enriched porous carbon nanosheets derived from Schiff-base porous polymers as superior electrocatalysts for the oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2016, 4, 6505-6512.	10.3	89
56	MOF derived Co ₃ O ₄ nanoparticles embedded in N-doped mesoporous carbon layer/MWCNT hybrids: extraordinary bi-functional electrocatalysts for OER and ORR. <i>Journal of Materials Chemistry A</i> , 2015, 3, 17392-17402.	10.3	351
57	Facile fabrication of palladium-ionic liquids-nitrogen-doped graphene nanocomposites as enhanced electro-catalyst for ethanol oxidation. <i>Journal of Power Sources</i> , 2015, 294, 360-368.	7.8	29
58	Synthesis of Cu-MoS ₂ /rGO hybrid as non-noble metal electrocatalysts for the hydrogen evolution reaction. <i>Journal of Power Sources</i> , 2015, 292, 15-22.	7.8	214
59	Ni@Pd/PEI-rGO stack structures with controllable Pd shell thickness as advanced electrodes for efficient hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2015, 3, 11261-11268.	10.3	64
60	MoS ₂ quantum dot decorated RGO: a designed electrocatalyst with high active site density for the hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2015, 3, 21772-21778.	10.3	127
61	Enhancing catalytic performance of Au catalysts by noncovalent functionalized graphene using functional ionic liquids. <i>Journal of Hazardous Materials</i> , 2014, 270, 11-17.	12.4	74
62	Enhanced-electrocatalytic activity of Ni _{1-x} Fe _x alloy supported on polyethyleneimine functionalized MoS ₂ nanosheets for hydrazine oxidation. <i>RSC Advances</i> , 2014, 4, 1988-1995.	3.6	76
63	Polyethyleneimine decorated graphene oxide-supported Ni _{1-x} Fe _x bimetallic nanoparticles as efficient and robust electrocatalysts for hydrazine fuel cells. <i>Catalysis Science and Technology</i> , 2013, 3, 3155.	4.1	50
64	In situ growth of monodispersed Fe ₃ O ₄ nanoparticles on graphene for the removal of heavy metals and aromatic compounds. <i>Water Science and Technology</i> , 2013, 68, 2351-2358.	2.5	2
65	Synthesis of Ag nanoparticles decorated multiwalled carbon nanotubes using dialdehydestarch as complexant and reductant for antibacterial purposes. <i>RSC Advances</i> , 2013, 3, 918-922.	3.6	14
66	The role of reducing agent in perylene tetracarboxylic acid coating on graphene sheets enhances Pd nanoparticles-electrocatalytic ethanol oxidation. <i>Catalysis Science and Technology</i> , 2013, 3, 2303.	4.1	25
67	Microenvironment Effects in Electrocatalysis: Ionic-Liquid-Like Coating on Carbon Nanotubes Enhances the Pd-Electrocatalytic Alcohol Oxidation. <i>Chemistry - A European Journal</i> , 2013, 19, 2384-2391.	3.3	33
68	2, 2 ⁻ -(phenylazanediy) diacetic acid modified Fe ₃ O ₄ @PEI for selective removal of cadmium ions from blood. <i>Nanoscale</i> , 2012, 4, 733-736.	5.6	30
69	A highly active hydrazine fuel cell catalyst consisting of a Ni-Fe nanoparticle alloy plated on carbon materials by pulse reversal. <i>RSC Advances</i> , 2012, 2, 5038.	3.6	45
70	In situ growth of Ni-Fe alloy on graphene-like MoS ₂ for catalysis of hydrazine oxidation. <i>Journal of Materials Chemistry</i> , 2012, 22, 13925.	6.7	57
71	Highly dispersive Ag nanoparticles on functionalized graphene for an excellent electrochemical sensor of nitroaromatic compounds. <i>Chemical Communications</i> , 2011, 47, 12494.	4.1	81
72	Pd immobilized on amine-functionalized magnetite nanoparticles: a novel and highly active catalyst for hydrogenation and Heck reactions. <i>Green Chemistry</i> , 2011, 13, 1238.	9.0	203

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73	Synthesis of Novel Porphyrin and its Complexes Covalently Linked to Multi-Walled Carbon Nanotubes and Study of their Spectroscopy. <i>Nanoscale Research Letters</i> , 2009, 4, 578-583.	5.7	16
74	Magnetic Fe nanoparticle functionalized water-soluble multi-walled carbon nanotubules towards the preparation of sorbent for aromatic compounds removal. <i>Chemical Communications</i> , 2007, , 386-388.	4.1	67
75	Bismuth-Containing SBA-15 Mesoporous Silica Catalysts for Solvent-Free Liquid-Phase Oxidation of Cyclohexane by Molecular Oxygen. <i>Helvetica Chimica Acta</i> , 2007, 90, 1837-1847.	1.6	6