

Huajun Zheng

List of Publications by Year in descending order

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56
papers

2,543
citations

218592

26
h-index

197736

49
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56
all docs

56
docs citations

56
times ranked

3155
citing authors

#	ARTICLE	IF	CITATIONS
1	Manganese doping to boost the capacitance performance of hierarchical Co ₉ S ₈ @Co(OH) ₂ nanosheet arrays. <i>Green Energy and Environment</i> , 2022, 7, 1289-1297.	4.7	16
2	Machine Learning Guided Dopant Selection for Metal Oxide-Based Photoelectrochemical Water Splitting: The Case Study of Fe ₂ O ₃ and CuO. <i>Advanced Materials</i> , 2022, 34, e2106776.	11.1	26
3	Biomass upgrading coupled with H ₂ production <i>via</i> a nonprecious and versatile Cu-doped nickel nanotube electrocatalyst. <i>Journal of Materials Chemistry A</i> , 2022, 10, 10181-10191.	5.2	23
4	Ultrasound-assisted pseudohomogeneous tungstate catalyst for selective oxidation of alcohols to aldehydes. <i>Scientific Reports</i> , 2022, 12, 3367.	1.6	9
5	Protruding Pt single-sites on hexagonal ZnIn ₂ S ₄ to accelerate photocatalytic hydrogen evolution. <i>Nature Communications</i> , 2022, 13, 1287.	5.8	198
6	Cooperative effect of bimetallic MOF-derived CoNi(OH) ₂ @NiCo ₂ S ₄ nanocomposite electrocatalysts with boosted oxygen evolution activity. <i>Nanotechnology</i> , 2022, 33, 265701.	1.3	2
7	Unique core-shell Co ₂ (OH) ₂ CO ₃ @MOF nanoarrays with remarkably improved cycling life for high performance pseudocapacitors. <i>Electrochimica Acta</i> , 2022, 412, 140142.	2.6	14
8	Copper doped Co _x @Co(OH) ₂ hierarchical mesoporous nanosheet arrays as binder-free electrodes for superior supercapacitors. <i>Journal of Alloys and Compounds</i> , 2022, 911, 165115.	2.8	18
9	Bimetallic sites and coordination effects: electronic structure engineering of NiCo-based sulfide for 5-hydroxymethylfurfural electrooxidation. <i>Catalysis Science and Technology</i> , 2022, 12, 3817-3825.	2.1	15
10	TiO ₂ @PDA inorganic-organic core-shell skeleton supported Pd nanodots for enhanced electrocatalytic hydrodechlorination. <i>Journal of Hazardous Materials</i> , 2022, 435, 128998.	6.5	20
11	Ultrathin 2D flower-like CoP@C with the active (211) facet for efficient electrocatalytic water splitting. <i>CrystEngComm</i> , 2021, 23, 1777-1784.	1.3	9
12	Pseudohomogeneous metallic catalyst based on tungstate-decorated amphiphilic carbon quantum dots for selective oxidative scission of alkenes to aldehyde. <i>Scientific Reports</i> , 2021, 11, 4411.	1.6	30
13	Dramatic Responsivity Enhancement Through Concentrated H ₂ SO ₄ Treatment on PEDOT:PSS/TiO ₂ Heterojunction Fibrous Photodetectors. <i>Small</i> , 2021, 17, e2101674.	5.2	15
14	Facile construction TiO ₂ /ZnIn ₂ S ₄ /Zn _{0.4} Ca _{0.6} In ₂ S ₄ ternary hetero-structure photo-anode with enhanced photo-electrochemical water-splitting performance. <i>Surfaces and Interfaces</i> , 2021, 26, 101323.	1.5	1
15	Ultrathin ZnIn ₂ S ₄ nanosheets with active (110) facet exposure and efficient charge separation for cocatalyst free photocatalytic hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , 2020, 265, 118616.	10.8	132
16	Photo/Electrochemical Applications of Metal Sulfide/TiO ₂ Heterostructures. <i>Advanced Energy Materials</i> , 2020, 10, 1902355.	10.2	236
17	Carbon nanomaterials with sp ² or/and sp ³ hybridization in energy conversion and storage applications: A review. <i>Energy Storage Materials</i> , 2020, 26, 349-370.	9.5	55
18	WO ₃ /ZnIn ₂ S ₄ heterojunction photoanodes grafting silane molecule for efficient photoelectrochemical water splitting. <i>Electrochimica Acta</i> , 2020, 361, 137017.	2.6	23

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19	Black Phosphorus Quantum Dot-Sensitized TiO ₂ Nanotube Arrays with Enriched Oxygen Vacancies for Efficient Photoelectrochemical Water Splitting. ACS Sustainable Chemistry and Engineering, 2020, 8, 15906-15914.	3.2	52
20	Construction of self-supported hierarchical NiCo-S nanosheet arrays for supercapacitors with ultrahigh specific capacitance. Nanoscale, 2020, 12, 13811-13821.	2.8	58
21	Inert basal plane activation of two-dimensional ZnIn ₂ S ₄ via Ni atom doping for enhanced co-catalyst free photocatalytic hydrogen evolution. Journal of Materials Chemistry A, 2020, 8, 13376-13384.	5.2	79
22	Amphiphilic Carbon Quantum Dots as a Bridge to a Pseudohomogeneous Catalyst for Selective Oxidative Cracking of Alkenes to Aldehydes: A Nonmetallic Oxidation System. ACS Applied Materials & Interfaces, 2020, 12, 31360-31371.	4.0	22
23	Self-Powered Flexible TiO ₂ Fibrous Photodetectors: Heterojunction with P3HT and Boosted Responsivity and Selectivity by Au Nanoparticles. Advanced Functional Materials, 2020, 30, 2001604.	7.8	81
24	Rational design of a sandwiched structure Ni(OH) ₂ nanohybrid sustained by amino-functionalized graphene quantum dots for outstanding capacitance. Applied Surface Science, 2019, 480, 727-737.	3.1	35
25	One-step solvothermal synthesis of feather duster-like CNT@WO ₃ as high-performance electrode for supercapacitor. Materials Letters, 2019, 246, 129-132.	1.3	22
26	One-pot synthesis of CoFe ₂ O ₄ /rGO hybrid hydrogels with 3D networks for high capacity electrochemical energy storage devices. RSC Advances, 2018, 8, 8607-8614.	1.7	52
27	Synergistic effect of silane and graphene oxide for enhancing the photoelectrochemical water oxidation performance of WO ₃ NS arrays. Electrochimica Acta, 2018, 292, 322-330.	2.6	12
28	Ultrafine CoP _x Nanoparticles Anchored on Nitrogen Doped Reduced Graphene Oxides for Superior Hydrogenation in Alkaline Media. Advanced Materials Interfaces, 2018, 5, 1800515.	1.9	22
29	Carbon quantum dot sensitized Pt@Bi ₂ WO ₆ /FTO electrodes for enhanced photoelectro-catalytic activity of methanol oxidation. RSC Advances, 2017, 7, 26943-26951.	1.7	31
30	Hydrothermal Synthesis of 3D Porous Structure Bi ₂ WO ₆ /Reduced Graphene Oxide Hydrogels for Enhancing Supercapacitor Performance. ChemElectroChem, 2017, 4, 577-584.	1.7	40
31	Molecules interface engineering derived external electric field for effective charge separation in photoelectrocatalysis. Nano Energy, 2017, 42, 90-97.	8.2	33
32	Three-dimensional NiCo ₂ O ₄ @NiWO ₄ core-shell nanowire arrays for high performance supercapacitors. Journal of Materials Chemistry A, 2017, 5, 1028-1034.	5.2	264
33	Etching treatment of vertical WO ₃ nanoplates as a photoanode for enhanced photoelectrochemical performance. RSC Advances, 2016, 6, 68204-68210.	1.7	27
34	A Facile Synthesis of Tungsten Carbide/Carbon Nanocomposite as a Non-Platinum Electrocatalyst for Methanol Oxidation. Journal of Nanoscience and Nanotechnology, 2016, 16, 7579-7583.	0.9	4
35	Carbon Quantum Dots sensitized Vertical WO ₃ Nanoplates with Enhanced Photoelectrochemical Properties. ChemistrySelect, 2016, 1, 2772-2777.	0.7	25
36	Facile Synthesis of CoWO ₄ Nanosheet Arrays Grown on Nickel Foam Substrates for Asymmetric Supercapacitors. ChemElectroChem, 2016, 3, 1490-1496.	1.7	98

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37	Aligned Ni-Co-Mn oxide nanosheets grown on conductive substrates as binder-free electrodes for high capacity electrochemical energy storage devices. <i>Electrochimica Acta</i> , 2016, 220, 296-303.	2.6	56
38	Highly selective adsorption of organic dyes onto tungsten trioxide nanowires. <i>Research on Chemical Intermediates</i> , 2016, 42, 5639-5651.	1.3	7
39	H ₂ O ₂ /TiO ₂ /C/MnO ₂ nanocomposite materials for high-performance supercapacitors. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	0.8	19
40	Hierarchically structured WO ₃ @CNT@TiO ₂ NS composites with enhanced photocatalytic activity. <i>Journal of Materials Chemistry A</i> , 2015, 3, 5467-5473.	5.2	23
41	Biomimetic CNT@TiO ₂ composite with enhanced photocatalytic properties. <i>Chemical Engineering Journal</i> , 2015, 281, 60-68.	6.6	65
42	Synthesis of ordered mesoporous carbon/tungsten carbides as a replacement of platinum-based electrocatalyst for methanol oxidation. <i>Electrochimica Acta</i> , 2013, 108, 486-490.	2.6	22
43	In-situ synthesize multi-walled carbon nanotubes@MnO ₂ nanoflake core-shell structured materials for supercapacitors. <i>Journal of Power Sources</i> , 2012, 216, 508-514.	4.0	75
44	Synthesis, characterization and catalytic activity toward methanol oxidation of electrocatalyst Pt ₄ -NH ₂ -MCM-41. <i>Electrochimica Acta</i> , 2012, 83, 160-165.	2.6	6
45	Thiol functionalized mesoporous silicas for selective adsorption of precious metals. <i>Minerals Engineering</i> , 2012, 35, 20-26.	1.8	36
46	Hydrothermal Synthesis and Amperometric Determination of Hydrogen Peroxide of Highly-Dispersed MnO ₂ Nanofibers. <i>Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica</i> , 2012, 28, 630-634.	2.2	0
47	Polyporous C@WC _{1-x} composite and its electrocatalytic activity for p-nitrophenol reduction. <i>Chinese Chemical Letters</i> , 2011, 22, 497-500.	4.8	16
48	Studies on mechanism of carbon nanotube and manganese oxide nanosheet self-sustained thin film for electrochemical capacitor. <i>Solid State Ionics</i> , 2010, 181, 1690-1696.	1.3	22
49	Multilayered films of cobalt oxyhydroxide nanowires/manganese oxide nanosheets for electrochemical capacitor. <i>Journal of Power Sources</i> , 2010, 195, 680-683.	4.0	45
50	CNTs/mesostructured silica core-shell nanowires via interfacial surfactant templating. <i>Science Bulletin</i> , 2009, 54, 516-520.	4.3	4
51	Electrochemical behavior of carbon-nanotube/cobalt oxyhydroxide nanoflake multilayer films. <i>Journal of Power Sources</i> , 2009, 193, 930-934.	4.0	35
52	Layer-by-layer assembly and electrochemical properties of sandwiched film of manganese oxide nanosheet and carbon nanotube. <i>Carbon</i> , 2009, 47, 1534-1542.	5.4	73
53	Porous Palladium Nanoflowers that Have Enhanced Methanol Electro-Oxidation Activity. <i>Journal of Physical Chemistry C</i> , 2009, 113, 1001-1005.	1.5	153
54	A method to fabricate nanorod films on aluminum lattice membrane by magnetron sputtering. <i>Thin Solid Films</i> , 2008, 516, 4983-4987.	0.8	8

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55	Nanorod tungsten carbide thin film and its electrocatalytic activity for nitromethane electroreduction. <i>Electrochemistry Communications</i> , 2006, 8, 977-981.	2.3	22
56	Preparation of nano-crystalline tungsten carbide thin film electrode and its electrocatalytic activity for hydrogen evolution. <i>Electrochemistry Communications</i> , 2005, 7, 1045-1049.	2.3	57