

Yadong Yao

List of Publications by Year in descending order

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41
papers

1,787
citations

430442

18
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288905

40
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41
docs citations

41
times ranked

2777
citing authors

#	ARTICLE	IF	CITATIONS
1	Construction of a Hierarchical NiCo ₂ S ₄ @PPy Core-Shell Heterostructure Nanotube Array on Ni Foam for a High-Performance Asymmetric Supercapacitor. ACS Applied Materials & Interfaces, 2016, 8, 24525-24535.	4.0	408
2	A self-supported hierarchical Co-MOF as a supercapacitor electrode with ultrahigh areal capacitance and excellent rate performance. Chemical Communications, 2018, 54, 10499-10502.	2.2	192
3	NiCoP Nanoarray: A Superior Pseudocapacitor Electrode with High Areal Capacitance. Chemistry - A European Journal, 2017, 23, 4435-4441.	1.7	134
4	A self-supported NiMoS ₄ nanoarray as an efficient 3D cathode for the alkaline hydrogen evolution reaction. Journal of Materials Chemistry A, 2017, 5, 16585-16589.	5.2	114
5	Constructing a highly oriented layered MOF nanoarray from a layered double hydroxide for efficient and long-lasting alkaline water oxidation electrocatalysis. Journal of Materials Chemistry A, 2019, 7, 8771-8776.	5.2	112
6	Bimetallic Nickel-Substituted Cobalt-Borate Nanowire Array: An Earth-Abundant Water Oxidation Electrocatalyst with Superior Activity and Durability at Near Neutral pH. Small, 2017, 13, 1700394.	5.2	95
7	In situ surface derivation of an Fe-Co-Bi layer on an Fe-doped Co ₃ O ₄ nanoarray for efficient water oxidation electrocatalysis under near-neutral conditions. Journal of Materials Chemistry A, 2017, 5, 6388-6392.	5.2	68
8	Hierarchical three-dimensional manganese doped cobalt phosphide nanowire decorated nanosheet cluster arrays for high-performance electrochemical pseudocapacitor electrodes. Chemical Communications, 2018, 54, 9234-9237.	2.2	65
9	Ultrathin Mn Doped Ni-MOF Nanosheet Array for Highly Capacitive and Stable Asymmetric Supercapacitor. Chemistry - A European Journal, 2020, 26, 17149-17155.	1.7	60
10	Homologous Catalysts Based on Fe-Doped CoP Nanoarrays for High-Performance Full Water Splitting under Benign Conditions. ChemSusChem, 2017, 10, 3188-3192.	3.6	58
11	Ni ₃ S ₂ @polypyrrole composite supported on nickel foam with improved rate capability and cycling durability for asymmetric supercapacitor device applications. Journal of Materials Science, 2017, 52, 3642-3656.	1.7	51
12	Self-Templating Construction of Hollow Amorphous CoMoS ₄ Nanotube Array towards Efficient Hydrogen Evolution Electrocatalysis at Neutral pH. Chemistry - A European Journal, 2017, 23, 12718-12723.	1.7	48
13	A nickel-borate-phosphate nanoarray for efficient and durable water oxidation under benign conditions. Inorganic Chemistry Frontiers, 2017, 4, 840-844.	3.0	46
14	Preparation, structure and properties of Mn-doped ZnO rod arrays. CrystEngComm, 2010, 12, 192-198.	1.3	39
15	Highly efficient and durable water oxidation in a near-neutral carbonate electrolyte electrocatalyzed by a core-shell structured NiO@Ni-Ci nanosheet array. Sustainable Energy and Fuels, 2017, 1, 1287-1291.	2.5	27
16	Construction of interfacial engineering on CoP nanowire arrays with CoFe-LDH nanosheets for enhanced oxygen evolution reaction. FlatChem, 2021, 26, 100225.	2.8	25
17	Biopanning and characterization of peptides with Fe ₃ O ₄ nanoparticles-binding capability via phage display random peptide library technique. Colloids and Surfaces B: Biointerfaces, 2016, 141, 537-545.	2.5	22
18	Anion-exchange synthesis of a nanoporous crystalline CoB ₂ O ₄ nanowire array for high-performance water oxidation electrocatalysis in borate solution. Nanoscale, 2017, 9, 12343-12347.	2.8	21

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19	Cobalt carbonate hydroxide hydrate nanowires array: a three-dimensional catalyst electrode for effective water oxidation. <i>Micro and Nano Letters</i> , 2017, 12, 264-266.	0.6	19
20	A facile approach to synthesize rose-like ZnO/reduced graphene oxide composite: fluorescence and photocatalytic properties. <i>Journal of Materials Science</i> , 2014, 49, 5658-5666.	1.7	18
21	Facile synthesis of a In_2MoO_7 nanoplate/ TiO_2 nanotube composite for high electrochemical performance. <i>RSC Advances</i> , 2017, 7, 22983-22989.	1.7	17
22	Rational interface engineering of $\text{Cu}_2\text{S}/\text{CoO}_x/\text{CF}$ enhances oxygen evolution reaction activity. <i>Chemical Communications</i> , 2020, 56, 13571-13574.	2.2	16
23	Preparation and properties of red phosphor $\text{CaO}:\text{Eu}^{3+}$. <i>Journal of Materials Science</i> , 2009, 44, 2388-2392.	1.7	15
24	Synthesis and characterization of vanadium carbide nanoparticles by thermal refluxing-derived precursors. <i>Journal of Materials Science</i> , 2011, 46, 3693-3697.	1.7	15
25	A hierarchical CoMoO_4 nanoparticle decorated nanoplate array as an electrocatalyst toward improved alkaline oxygen evolution reaction. <i>Sustainable Energy and Fuels</i> , 2020, 4, 1595-1599.	2.5	14
26	A hierarchical $\text{CoP}@\text{NiCo-LDH}$ nanoarray as an efficient and flexible catalyst electrode for the alkaline oxygen evolution reaction. <i>Sustainable Energy and Fuels</i> , 2021, 5, 391-395.	2.5	14
27	An Improved Method to Increase the Concentration of Graphene in Organic Solvent. <i>Chemistry Letters</i> , 2012, 41, 747-749.	0.7	11
28	Preparation of titanium nitride nanoparticles from a novel refluxing derived precursor. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2011, 26, 429-433.	0.4	8
29	An Efficient and Recyclable Urchin-Like Yolk-Shell $\text{Fe}_3\text{O}_4@\text{SiO}_2@\text{Co}_3\text{O}_4$ Catalyst for Photocatalytic Water Oxidation. <i>Catalysis Letters</i> , 2015, 145, 1067-1071.	1.4	7
30	Growth process and morphology control of SBA-15 particles: synergistic effects of tetraethoxysilane and Pluronic-123 concentrations. <i>MRS Communications</i> , 2016, 6, 449-454.	0.8	7
31	Enhanced activity promoted by amorphous metal oxyhydroxides on CeO_2 for alkaline oxygen evolution reaction. <i>Journal of Colloid and Interface Science</i> , 2021, 604, 719-726.	5.0	7
32	Structural and Interfacial Engineering of $\text{Ni}_2\text{P}/\text{Fe}_3\text{O}_4$ Porous Nanosheet Arrays for Efficient Oxygen Evolution Reaction. <i>Inorganic Chemistry</i> , 2021, 60, 14786-14792.	1.9	6
33	In vitro bioactivity and cytocompatibility of tricalcium silicate. <i>Bulletin of Materials Science</i> , 2011, 34, 1151-1155.	0.8	5
34	Glucose oxidase adsorption performance of carbonaceous mesocellular foams prepared with different carbon sources. <i>Journal of Bioscience and Bioengineering</i> , 2015, 120, 9-16.	1.1	5
35	Rapid and High-capacity Adsorption of Glucose Oxidase on Amine-functionalized Mesoporous Silica SBA-15 Platelets. <i>Chemistry Letters</i> , 2012, 41, 1512-1514.	0.7	4
36	Pyrolysis of a self-supported dodecyl sulfate anion-intercalated $\text{Co}(\text{OH})_2$ nanosheet with enlarged amorphous phase content towards enhanced activity for alkaline water oxidation. <i>Chemical Communications</i> , 2019, 55, 11211-11214.	2.2	4

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37	Inhibiting Effects of a Cyclic Peptide CNGRC on Proliferation and Migration of Tumor Cells In Vitro. International Journal of Peptide Research and Therapeutics, 2013, 19, 163-173.	0.9	3
38	A Facile Synthesis of Monodispersed Carbon-encapsulated Copper Nanoparticles with Excellent Oxidation Resistance from a Refluxing-derived Precursor. Chemistry Letters, 2013, 42, 627-629.	0.7	3
39	Antibacterial properties of TiO ₂ ceramic pellets prepared using nano TiO ₂ powder. Journal Wuhan University of Technology, Materials Science Edition, 2009, 24, 337-342.	0.4	2
40	Fabrication of tungsten carbide nanoparticles from refluxing derived precursor. Journal Wuhan University of Technology, Materials Science Edition, 2015, 30, 231-234.	0.4	2
41	Degradation of residual formaldehyde in fabric by photo-catalysis. Journal Wuhan University of Technology, Materials Science Edition, 2008, 23, 147-150.	0.4	0