

Kai Qi

List of Publications by Year in descending order

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34
papers

2,699
citations

218677

26
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377865

34
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docs citations

34
times ranked

3407
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal/covalent-organic frameworks-based electrocatalysts for water splitting. <i>Journal of Materials Chemistry A</i> , 2018, 6, 15905-15926.	10.3	258
2	Bismuth Oxides with Enhanced Bismuth-Oxygen Structure for Efficient Electrochemical Reduction of Carbon Dioxide to Formate. <i>ACS Catalysis</i> , 2020, 10, 743-750.	11.2	234
3	Preparation of nickel-iron hydroxides by microorganism corrosion for efficient oxygen evolution. <i>Nature Communications</i> , 2020, 11, 5075.	12.8	226
4	2D Nitrogen-Doped Carbon Nanotubes/Graphene Hybrid as Bifunctional Oxygen Electrocatalyst for Long-Life Rechargeable Zn-Air Batteries. <i>Advanced Functional Materials</i> , 2020, 30, 1906081.	14.9	190
5	Construction of Metal-Organic Framework/Conductive Polymer Hybrid for All-Solid-State Fabric Supercapacitor. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 18021-18028.	8.0	176
6	Surface reconstruction of cobalt phosphide nanosheets by electrochemical activation for enhanced hydrogen evolution in alkaline solution. <i>Chemical Science</i> , 2019, 10, 2019-2024.	7.4	163
7	Redox Tuning in Crystalline and Electronic Structure of Bimetal-Organic Frameworks Derived Cobalt/Nickel Boride/Sulfide for Boosted Faradaic Capacitance. <i>Advanced Materials</i> , 2019, 31, e1905744.	21.0	158
8	Integrated Conductive Hybrid Architecture of Metal-Organic Framework Nanowire Array on Polypyrrole Membrane for All-Solid-State Flexible Supercapacitors. <i>Advanced Energy Materials</i> , 2020, 10, 1901892.	19.5	154
9	Formation of a Tubular Assembly by Ultrathin $\text{Ti}_{0.8}\text{Co}_{0.2}\text{N}$ Nanosheets as Efficient Oxygen Reduction Electrocatalysts for Hydrogen/Metal-Air Fuel Cells. <i>ACS Catalysis</i> , 2018, 8, 8970-8975.	11.2	147
10	Recent Advances on Electrospun Nanomaterials for Zinc-Air Batteries. <i>Small Science</i> , 2021, 1, 2100010.	9.9	88
11	A core/shell structured tubular graphene nanoflake-coated polypyrrole hybrid for all-solid-state flexible supercapacitors. <i>Journal of Materials Chemistry A</i> , 2018, 6, 3913-3918.	10.3	87
12	<i>In situ</i> formation of Ni_3Se_4 nanorod arrays as versatile electrocatalysts for electrochemical oxidation reactions in hybrid water electrolysis. <i>Journal of Materials Chemistry A</i> , 2018, 6, 15653-15658.	10.3	84
13	Synthesis of amorphous boride nanosheets by the chemical reduction of Prussian blue analogs for efficient water electrolysis. <i>Journal of Materials Chemistry A</i> , 2018, 6, 23289-23294.	10.3	73
14	Electrospinning Synthesis of Self-Standing Cobalt/Nanocarbon Hybrid Membrane for Long-Life Rechargeable Zinc-Air Batteries. <i>Advanced Functional Materials</i> , 2021, 31, 2105021.	14.9	66
15	Metal-organic framework membranes: From synthesis to electrocatalytic applications. <i>Chinese Chemical Letters</i> , 2020, 31, 2189-2201.	9.0	61
16	Engineering one-dimensional and hierarchical PtFe alloy assemblies towards durable methanol electrooxidation. <i>Journal of Materials Chemistry A</i> , 2019, 7, 13090-13095.	10.3	56
17	Corrosion of conductive polypyrrole: Effects of environmental factors, electrochemical stimulation, and doping anions. <i>Corrosion Science</i> , 2012, 60, 50-58.	6.6	51
18	Chainmail catalyst of ultrathin P-doped carbon shell-encapsulated nickel phosphides on graphene towards robust and efficient hydrogen generation. <i>Journal of Materials Chemistry A</i> , 2018, 6, 24107-24113.	10.3	44

#	ARTICLE	IF	CITATIONS
19	Lead Oxide Enveloped in N-Doped Graphene Oxide Composites for Enhanced High-Rate Partial-State-of-Charge Performance of Lead-Acid Battery. ACS Sustainable Chemistry and Engineering, 2018, 6, 11408-11413.	6.7	40
20	Corrosion of conductive polypyrrole: Effects of continuous cathodic and anodic polarisation. Corrosion Science, 2013, 69, 376-388.	6.6	39
21	Metal-organic framework-derived cupric oxide polycrystalline nanowires for selective carbon dioxide electroreduction to C2 valuables. Journal of Materials Chemistry A, 2020, 8, 12418-12423.	10.3	38
22	Surface evolution and reconstruction of oxygen-abundant FePi/NiFeP synergy in NiFe phosphides for efficient water oxidation. Journal of Materials Chemistry A, 2019, 7, 18925-18931.	10.3	37
23	Design and Synthesis of Conductive Metal-Organic Frameworks and Their Composites for Supercapacitors. ChemElectroChem, 2021, 8, 1021-1034.	3.4	37
24	Hybrid Architecture of a Porous Polypyrrole Scaffold Loaded with Metal-Organic Frameworks for Flexible Solid-State Supercapacitors. ACS Applied Energy Materials, 2020, 3, 11920-11928.	5.1	31
25	Flexible and hollow polypyrrole foam with high loading of metal-organic framework nanowires for wearable supercapacitors. Journal of Materials Chemistry A, 2021, 9, 21799-21806.	10.3	30
26	Porous graphene based electrochemical immunosensor using Cu ₃ (BTC) ₂ metal-organic framework as nonenzymatic label. Talanta, 2020, 217, 121042.	5.5	29
27	Corrosion of conductive polypyrrole: Effects of possibly formed galvanic cells. Corrosion Science, 2014, 80, 318-330.	6.6	26
28	Corrosion of conductive polypyrrole: Galvanic interactions between polypyrrole and metal substrates. Corrosion Science, 2015, 91, 272-280.	6.6	19
29	Constructing N-doping biomass-derived carbon with hierarchically porous architecture to boost fast reaction kinetics for high-performance lithium storage. Journal of Colloid and Interface Science, 2022, 605, 741-751.	9.4	19
30	Degradation behavior of free-standing polypyrrole films in NaOH solution. Polymer Degradation and Stability, 2019, 160, 60-72.	5.8	11
31	Microstructure and Corrosion of Cast Magnesium Alloy ZK60 in NaCl Solution. Materials, 2020, 13, 3833.	2.9	11
32	Modeling the natural degradation kinetics of conducting polypyrrole for service failure prediction in NaOH aqueous media. Polymer Degradation and Stability, 2021, 183, 109418.	5.8	6
33	Insight into effect of electrolyte temperature on electroactivity degradation of conducting polypyrrole in NaOH. Polymer Degradation and Stability, 2021, 189, 109593.	5.8	6
34	Mold-filling characteristics and solidification behavior of magnesium alloy in vacuum suction casting process. Journal of Materials Science, 2009, 44, 5644-5653.	3.7	4