

Mohammad Khalid

List of Publications by Year in descending order

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papers

772
citations

566801

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25
all docs

25
docs citations

25
times ranked

1171
citing authors

#	ARTICLE	IF	CITATIONS
1	Multifunctional electrocatalysts derived from conducting polymer and metal organic framework complexes. Nano Energy, 2018, 45, 127-135.	8.2	166
2	Trifunctional catalytic activities of trimetallic FeCoNi alloy nanoparticles embedded in a carbon shell for efficient overall water splitting. Journal of Materials Chemistry A, 2020, 8, 9021-9031.	5.2	72
3	Ammonia vapor sensing properties of polyaniline-titanium(IV)phosphate cation exchange nanocomposite. Journal of Hazardous Materials, 2011, 186, 2037-2042.	6.5	44
4	Electrically conductive polyaniline-titanium(IV)molybdophosphate cation exchange nanocomposite: Synthesis, characterization and alcohol vapour sensing properties. Journal of Industrial and Engineering Chemistry, 2013, 19, 1226-1233.	2.9	44
5	Synthesis and characterization of polyaniline-titanium(IV)phosphate cation exchange composite: Methanol sensor and isothermal stability in terms of DC electrical conductivity. Reactive and Functional Polymers, 2010, 70, 849-855.	2.0	42
6	Preparation, FTIR spectroscopic characterization and isothermal stability of differently doped fibrous conducting polymers based on polyaniline and nylon-6,6. Synthetic Metals, 2009, 159, 119-122.	2.1	41
7	Bendable tube-shaped supercapacitor based on reduced graphene oxide and Prussian blue coated carbon fiber yarns for energy storage. Journal of Energy Chemistry, 2018, 27, 866-873.	7.1	37
8	Uniformly self-decorated Co ₃ O ₄ nanoparticles on N, S co-doped carbon layers derived from a camphor sulfonic acid and metal-organic framework hybrid as an oxygen evolution electrocatalyst. Journal of Materials Chemistry A, 2018, 6, 12106-12114.	5.2	36
9	Preparation, FTIR spectroscopic characterization and isothermal stability of differently doped conductive fibers based on polyaniline and polyacrylonitrile. Synthetic Metals, 2010, 160, 708-712.	2.1	35
10	Metallic single-atoms confined in carbon nanomaterials for the electrocatalysis of oxygen reduction, oxygen evolution, and hydrogen evolution reactions. Catalysis Science and Technology, 2020, 10, 6420-6448.	2.1	33
11	Synthesis of nano-sized ZnO and polyaniline-zinc oxide composite: Characterization, stability in terms of DC electrical conductivity retention and application in ammonia vapor detection. Journal of Applied Polymer Science, 2010, 117, 1601-1607.	1.3	32
12	A general potentiodynamic approach for red phosphorus and sulfur nanodot incorporation on reduced graphene oxide sheets: metal-free and binder-free electrodes for supercapacitor and hydrogen evolution activities. Journal of Materials Chemistry A, 2018, 6, 3141-3150.	5.2	32
13	Nano-flocks of a bimetallic organic framework for efficient hydrogen evolution electrocatalysis. Chemical Communications, 2018, 54, 11048-11051.	2.2	31
14	Electro-reduced graphene oxide nanosheets coupled with RuAu bimetallic nanoparticles for efficient hydrogen evolution electrocatalysis. Chemical Engineering Journal, 2021, 421, 129987.	6.6	27
15	Electrical Conductivity Studies of Polyaniline Nanotubes Doped with Different Sulfonic Acids. Indian Journal of Materials Science, 2013, 2013, 1-7.	0.6	25
16	Inkjet Printing of Polypyrrole Electroconductive Layers Based on Direct Inks Freezing and Their Use in Textile Solid-State Supercapacitors. Materials, 2021, 14, 3577.	1.3	14
17	Electrochemical reduction of CO ₂ to formic acid on Bi ₂ O ₂ /CO ₃ /carbon fiber electrodes. Journal of Materials Research, 2020, 35, 272-280.	1.2	14
18	Ionically conducting and environmentally safe gum Arabic as a high-performance gel-like electrolyte for solid-state supercapacitors. Journal of Solid State Electrochemistry, 2017, 21, 2443-2447.	1.2	13

#	ARTICLE	IF	CITATIONS
19	Preparation and electroanalytical characterization of polyaniline: Polyacrylonitrile composite films. Journal of Applied Polymer Science, 2008, 108, 3769-3780.	1.3	10
20	Ion-exchange and humidity sensing properties of poly-o-anisidine Sn(IV) arsenophosphate nano-composite cation-exchanger. Journal of Environmental Chemical Engineering, 2013, 1, 310-319.	3.3	8
21	A sugar derived carbon-red phosphorus composite for oxygen evolution reaction and supercapacitor activities. Materials Science for Energy Technologies, 2020, 3, 508-514.	1.0	6
22	Nitrogen and sulfur co-doped fibrous-like carbon electrocatalyst derived from conductive polymers for highly active oxygen reduction catalysis. Synthetic Metals, 2020, 264, 116383.	2.1	5
23	Electroanalytical studies on electrically conducting polyaniline:polyethyleneterephthalate composite films. Journal of Applied Polymer Science, 2010, 116, 1366-1375.	1.3	2
24	Coral-like nitrogen doped carbon derived from polyaniline-silicon nitride hybrid for highly active oxygen reduction electrocatalysis. Electrochemical Science Advances, 2021, 1, e2000010.	1.2	2
25	Surface and Volumetric Phenomena on Polyaniline-Supported Electrocatalysts. Journal of Physical Chemistry C, 2021, 125, 26073-26083.	1.5	1