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Nanostructured energy materials for electrochemical energy conversion and storage: A review

DOI: 10.1016/j.jechem.2016.11.003

Journal of Energy Chemistry, 2016, 25, 967-984.

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**Version:** 2024-04-28

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#	Paper	IF	Citations
361	Towards stable lithium-sulfur batteries: Mechanistic insights into electrolyte decomposition on lithium metal anode. <i>Energy Storage Materials</i> , <b>2017</b> , 8, 194-201	19.4	133
360	Improving ORR activity of carbon nanotubes by hydrothermal carbon deposition method. <i>Journal of Energy Chemistry</i> , <b>2017</b> , 26, 712-718	12	59
359	Anionic Regulated NiFe (Oxy)Sulfide Electrocatalysts for Water Oxidation. <b>2017</b> , 13, 1700610		104
358	Review on High-Loading and High-Energy LithiumSulfur Batteries. <b>2017</b> , 7, 1700260		1010
357	Functionalized graphene oxide-reinforced electrospun carbon nanofibers as ultrathin supercapacitor electrode. <i>Journal of Energy Chemistry</i> , <b>2017</b> , 26, 790-798	12	24
356	Hexagonal BC3 Electrode for a High-Voltage Al-Ion Battery. <b>2017</b> , 121, 9748-9756		27
355	Investigation of microstructures of ZnCo <sub>2</sub> O <sub>4</sub> on bare Ni foam and Ni foam coated with graphene and their supercapacitors performance. <i>Journal of Energy Chemistry</i> , <b>2017</b> , 26, 330-335	12	15
354	Synthesis of MnOOH nanorods by successive ionic layer deposition method and their capacitive performance. <i>Journal of Energy Chemistry</i> , <b>2017</b> , 26, 336-339	12	15
353	Synthesis and applications of MOF-derived porous nanostructures. <b>2017</b> , 2, 218-245		212
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351	High activity of a Pt decorated Ni/C nanocatalyst for hydrogen oxidation. <b>2017</b> , 38, 396-403		9
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347	A review of electrocatalyst characterization by transmission electron microscopy. <i>Journal of Energy Chemistry</i> , <b>2017</b> , 26, 1117-1135	12	20
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343	Two-dimensional vermiculite separator for lithium sulfur batteries. <b>2017</b> , 28, 2235-2238		36
342	Hydrothermal synthesis of peony-like CuO micro/nanostructures for high-performance lithium-ion battery anodes. <b>2017</b> , 28, 2263-2268		14
341	Nitrogen-doped hierarchical porous carbon derived from metal-organic aerogel for high performance lithium-sulfur batteries. <i>Journal of Energy Chemistry</i> , <b>2017</b> , 26, 1282-1290	12	47
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246	Combining theory and experiment in lithium-sulfur batteries: Current progress and future perspectives. <b>2019</b> , 22, 142-158		217
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204	One-pot synthesis of SL-MoS <sub>2</sub> /C/Ti <sub>3</sub> C <sub>2</sub> Tx@C hierarchical superstructures for ultralong cycle-life Li-ion batteries. <i>Electrochimica Acta</i> , <b>2019</b> , 295, 286-293	6.7	6
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202	Conductive and Catalytic Triple-Phase Interfaces Enabling Uniform Nucleation in High-Rate Lithium-Sulfur Batteries. <b>2019</b> , 9, 1802768		347
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192	KHCO <sub>3</sub> activated carbon microsphere as excellent electrocatalyst for VO <sub>2</sub> <sup>+</sup> /VO <sub>2</sub> <sup>3+</sup> redox couple for vanadium redox flow battery. <i>Journal of Energy Chemistry</i> , <b>2019</b> , 29, 103-110	12	26
191	TiP <sub>2</sub> O <sub>7</sub> -coated LiNi <sub>0.8</sub> Co <sub>0.15</sub> Al <sub>0.05</sub> O <sub>2</sub> cathode materials with improved thermal stability and superior cycle life. <i>Journal of Energy Chemistry</i> , <b>2019</b> , 28, 151-159	12	32
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188	Grafting polymeric sulfur onto carbon nanotubes as highly-active cathode for lithium-sulfur batteries. <i>Journal of Energy Chemistry</i> , <b>2020</b> , 42, 27-33	12	22
187	Synergetic Coupling of Lithiophilic Sites and Conductive Scaffolds for Dendrite-Free Lithium Metal Anodes. <b>2020</b> , 4, 1900177		22
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183	Perspectives in emerging bismuth electrochemistry. <i>Chemical Engineering Journal</i> , <b>2020</b> , 381, 122558	14.7	71

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180	Review of Transition Metal Nitrides and Transition Metal Nitrides/Carbon nanocomposites for supercapacitor electrodes. <b>2020</b> , 245, 122533		48
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148	A glassy carbon electrode modified with tailored nanostructures of cobalt oxide for oxygen reduction reaction. <b>2020</b> , 45, 18850-18858	4
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26	Diffusion-Mediated Morphological Transformation in Bifunctional Mn <sub>2</sub> O <sub>3</sub> /CuO/(VO) <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub> ·6H <sub>2</sub> O for Enhanced Electrochemical Water Splitting.		1
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