

Marco Zeiger

List of Publications by Year in descending order

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29
papers

1,964
citations

218677

26
h-index

454955

30
g-index

31
all docs

31
docs citations

31
times ranked

3009
citing authors

#	ARTICLE	IF	CITATIONS
1	Review: carbon onions for electrochemical energy storage. <i>Journal of Materials Chemistry A</i> , 2016, 4, 3172-3196.	10.3	360
2	Graphitization as a Universal Tool to Tailor the Potential-Dependent Capacitance of Carbon Supercapacitors. <i>Advanced Energy Materials</i> , 2014, 4, 1400316.	19.5	201
3	Faradaic deionization of brackish and sea water via pseudocapacitive cation and anion intercalation into few-layered molybdenum disulfide. <i>Journal of Materials Chemistry A</i> , 2017, 5, 15640-15649.	10.3	167
4	Understanding structure and porosity of nanodiamond-derived carbon onions. <i>Carbon</i> , 2015, 84, 584-598.	10.3	118
5	Enhanced performance stability of carbon/titania hybrid electrodes during capacitive deionization of oxygen saturated saline water. <i>Electrochimica Acta</i> , 2017, 224, 314-328.	5.2	98
6	A high-rate aqueous symmetric pseudocapacitor based on highly graphitized onion-like carbon/birnessite-type manganese oxide nanohybrids. <i>Journal of Materials Chemistry A</i> , 2015, 3, 3480-3490.	10.3	93
7	New Insights into the Structure of Nanoporous Carbons from NMR, Raman, and Pair Distribution Function Analysis. <i>Chemistry of Materials</i> , 2015, 27, 6848-6857.	6.7	88
8	Nanoconfinement of redox reactions enables rapid zinc iodide energy storage with high efficiency. <i>Journal of Materials Chemistry A</i> , 2017, 5, 12520-12527.	10.3	80
9	Vacuum or flowing argon: What is the best synthesis atmosphere for nanodiamond-derived carbon onions for supercapacitor electrodes?. <i>Carbon</i> , 2015, 94, 507-517.	10.3	59
10	Niobium carbide nanofibers as a versatile precursor for high power supercapacitor and high energy battery electrodes. <i>Journal of Materials Chemistry A</i> , 2016, 4, 16003-16016.	10.3	51
11	Hydrogen-treated, sub-micrometer carbon beads for fast capacitive deionization with high performance stability. <i>Carbon</i> , 2017, 117, 46-54.	10.3	50
12	Quinone-Decorated Onion-Like Carbon/Carbon Fiber Hybrid Electrodes for High-Rate Supercapacitor Applications. <i>ChemElectroChem</i> , 2015, 2, 1117-1127.	3.4	49
13	Asymmetric tin-vanadium redox electrolyte for hybrid energy storage with nanoporous carbon electrodes. <i>Sustainable Energy and Fuels</i> , 2017, 1, 299-307.	4.9	49
14	Enhanced Electrochemical Energy Storage by Nanoscopic Decoration of Endohedral and Exohedral Carbon with Vanadium Oxide via Atomic Layer Deposition. <i>Chemistry of Materials</i> , 2016, 28, 2802-2813.	6.7	44
15	Tuning pseudocapacitive and battery-like lithium intercalation in vanadium dioxide/carbon onion hybrids for asymmetric supercapacitor anodes. <i>Journal of Materials Chemistry A</i> , 2017, 5, 13039-13051.	10.3	41
16	Atomic Layer-Deposited Molybdenum Oxide/Carbon Nanotube Hybrid Electrodes: The Influence of Crystal Structure on Lithium-Ion Capacitor Performance. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 18675-18684.	8.0	37
17	Effects of synthesis parameters on carbon nanotubes manufactured by template-based chemical vapor deposition. <i>Carbon</i> , 2014, 80, 28-39.	10.3	36
18	Carbon onion/sulfur hybrid cathodes via inverse vulcanization for lithium-sulfur batteries. <i>Sustainable Energy and Fuels</i> , 2018, 2, 133-146.	4.9	36

#	ARTICLE	IF	CITATIONS
19	Electrospinning of ultrafine metal oxide/carbon and metal carbide/carbon nanocomposite fibers. RSC Advances, 2015, 5, 35683-35692.	3.6	35
20	Carbon onionâ€“sulfur hybrid cathodes for lithiumâ€“sulfur batteries. Sustainable Energy and Fuels, 2017, 1, 84-94.	4.9	34
21	Tailored Mesoporous Carbon/Vanadium Pentoxide Hybrid Electrodes for High Power Pseudocapacitive Lithium and Sodium Intercalation. Chemistry of Materials, 2017, 29, 8653-8662.	6.7	34
22	High performance stability of titania decorated carbon for desalination with capacitive deionization in oxygenated water. RSC Advances, 2016, 6, 106081-106089.	3.6	32
23	Surface structure influences contact killing of bacteria by copper. MicrobiologyOpen, 2014, 3, 327-332.	3.0	31
24	Vanadium pentoxide/carbide-derived carbon coreâ€“shell hybrid particles for high performance electrochemical energy storage. Journal of Materials Chemistry A, 2016, 4, 18899-18909.	10.3	30
25	Influence of carbon distribution on the electrochemical performance and stability of lithium titanate based energy storage devices. Electrochimica Acta, 2017, 247, 1006-1018.	5.2	29
26	Ordered Mesoporous Titania/Carbon Hybrid Monoliths for Lithiumâ€“ion Battery Anodes with High Areal and Volumetric Capacity. Chemistry - A European Journal, 2018, 24, 6358-6363.	3.3	27
27	In-situ nanodiamond to carbon onion transformation in metal matrix composites. Carbon, 2018, 129, 631-636.	10.3	21
28	Vanadiaâ€“titania multilayer nanodecoration of carbon onions via atomic layer deposition for high performance electrochemical energy storage. Journal of Materials Chemistry A, 2017, 5, 2792-2801.	10.3	19
29	Influence of carbon substrate on the electrochemical performance of carbon/manganese oxide hybrids in aqueous and organic electrolytes. RSC Advances, 2016, 6, 107163-107179.	3.6	14