

Soumyadip Choudhury

List of Publications by Year in descending order

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33
papers

1,368
citations

361388

20
h-index

414395

32
g-index

35
all docs

35
docs citations

35
times ranked

2239
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	High Performance Hybrid Energy Storage with Potassium Ferricyanide Redox Electrolyte. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 23676-23687.	8.0	123
3	Tin/vanadium redox electrolyte for battery-like energy storage capacity combined with supercapacitor-like power handling. <i>Energy and Environmental Science</i> , 2016, 9, 3392-3398.	30.8	121
4	Pseudocapacitive Desalination of Brackish Water and Seawater with Vanadium Pentoxide Decorated Multiwalled Carbon Nanotubes. <i>ChemSusChem</i> , 2017, 10, 3611-3623.	6.8	89
5	Enhanced hydrophilic and antifouling polyacrylonitrile membrane with polydopamine modified silica nanoparticles. <i>RSC Advances</i> , 2016, 6, 4448-4457.	3.6	84
6	Nanoporous Cathodes for High-Energy Li-S Batteries from Gyroid Block Copolymer Templates. <i>ACS Nano</i> , 2015, 9, 6147-6157.	14.6	82
7	Antifouling and antibiofouling pH responsive block copolymer based membranes by selective surface modification. <i>Journal of Materials Chemistry B</i> , 2013, 1, 3397.	5.8	65
8	Impact of the electrical conductivity on the lithium capacity of polymer-derived silicon oxycarbide (SiOC) ceramics. <i>Electrochimica Acta</i> , 2016, 216, 196-202.	5.2	59
9	Antifouling and tunable amino functionalized porous membranes for filtration applications. <i>Journal of Materials Chemistry</i> , 2012, 22, 19981.	6.7	49
10	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
11	Porous carbon materials for Li-S batteries based on resorcinol-formaldehyde resin with inverse opal structure. <i>Journal of Power Sources</i> , 2014, 261, 363-370.	7.8	39
12	A highly stretchable gel-polymer electrolyte for lithium-sulfur batteries. <i>Polymer</i> , 2017, 112, 447-456.	3.8	37
13	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
14	Carbon onion-sulfur hybrid cathodes for lithium-sulfur batteries. <i>Sustainable Energy and Fuels</i> , 2017, 1, 84-94.	4.9	34
15	Microporous novolac-derived carbon beads/sulfur hybrid cathode for lithium-sulfur batteries. <i>Journal of Power Sources</i> , 2017, 357, 198-208.	7.8	33
16	Electrophoretic deposition of nano-silica onto carbon fiber surfaces for an improved bond strength with cementitious matrices. <i>Cement and Concrete Composites</i> , 2020, 114, 103777.	10.7	31
17	Electrodeposition of hydrated vanadium pentoxide on nanoporous carbon cloth for hybrid energy storage. <i>Sustainable Energy and Fuels</i> , 2018, 2, 577-588.	4.9	30
18	Functionalization of track-etched poly (ethylene terephthalate) membranes as a selective filter for hydrogen purification. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 9356-9365.	7.1	27

#	ARTICLE	IF	CITATIONS
19	Thermally fabricated MoS ₂ -graphene hybrids as high performance anode in lithium ion battery. <i>Materials Chemistry and Physics</i> , 2016, 183, 383-391.	4.0	27
20	Ultrathin and Switchable Nanoporous Catalytic Membranes of Polystyrene- <i>b</i> -poly-4-Vinyl Pyridine Block Copolymer Spherical Micelles. <i>Advanced Materials Interfaces</i> , 2015, 2, 1500097.	3.7	23
21	Syntheses and morphologies of fluorinated diblock copolymer prepared via RAFT polymerization. <i>Journal of Fluorine Chemistry</i> , 2016, 189, 51-58.	1.7	19
22	Effect of fibrous separators on the performance of lithium-sulfur batteries. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 11239-11248.	2.8	19
23	Porous carbon prepared from polyacrylonitrile for lithium-sulfur battery cathodes using phase inversion technique. <i>Polymer</i> , 2018, 151, 171-178.	3.8	19
24	Mask-painting symmetrical micro-supercapacitors based on scalable, pore size adjustable, N-doped hierarchical porous carbon. <i>Journal of Materials Chemistry A</i> , 2021, 9, 14052-14063.	10.3	19
25	Phase Inversion Strategy to Fabricate Porous Carbon for Li-S Batteries via Block Copolymer Self-Assembly. <i>Advanced Materials Interfaces</i> , 2018, 5, 1701116.	3.7	18
26	Hierarchical Porous Carbon Cathode for Lithium-Sulfur Batteries Using Carbon Derived from Hybrid Materials Synthesized by Twin Polymerization. <i>Particle and Particle Systems Characterization</i> , 2018, 35, 1800364.	2.3	18
27	Effect of Current Collector on Performance of Li-S Batteries. <i>Advanced Materials Interfaces</i> , 2017, 4, 1600811.	3.7	14
28	Hybrid cathode materials for lithium-sulfur batteries. <i>Current Opinion in Electrochemistry</i> , 2020, 21, 303-310.	4.8	13
29	Acrylic ABA triblock copolymer bearing pendant reactive bicycloalkenyl functionality via ATRP and tuning its properties using thiol-ene chemistry. <i>Polymer</i> , 2014, 55, 5576-5583.	3.8	12
30	Sulfur X-ray absorption fine structure in porous Li-S cathode films measured under argon atmospheric conditions. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2014, 94-95, 22-26.	2.9	6
31	High Mass Loading Asymmetric Micro-supercapacitors with Ultrahigh Areal Energy and Power Density. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 58486-58497.	8.0	6
32	TUNING PROPERTIES AND MORPHOLOGY IN HIGH VINYL CONTENT SBS BLOCK COPOLYMER, A THERMOPLASTIC ELASTOMER VIA THIOL-ENE MODIFICATION. <i>Rubber Chemistry and Technology</i> , 2017, 90, 550-561.	1.2	4
33	Separators for lithium-sulfur batteries. , 2022, , 121-156.		1