

# Soumyadip Choudhury

## List of Publications by Year in descending order

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33  
papers

1,368  
citations

361413  
20  
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414414  
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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 &amp; 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 Vanadiumâ€Pentoxideâ€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 Liâ€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 Liâ€S batteries based on resorcinolâ€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 <i>via</i> inverse vulcanization for lithiumâ€sulfur batteries. <i>Sustainable Energy and Fuels</i> , 2018, 2, 133-146.	4.9	36
14	Carbon onionâ€sulfur hybrid cathodes for lithiumâ€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 <sub>2</sub> -graphene hybrids as high performance anode in lithium ion battery. Materials Chemistry and Physics, 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. Advanced Materials Interfaces, 2015, 2, 1500097.	3.7	23
21	Syntheses and morphologies of fluorinated diblock copolymer prepared via RAFT polymerization. Journal of Fluorine Chemistry, 2016, 189, 51-58.	1.7	19
22	Effect of fibrous separators on the performance of lithium-sulfur batteries. Physical Chemistry Chemical Physics, 2017, 19, 11239-11248.	2.8	19
23	Porous carbon prepared from polyacrylonitrile for lithium-sulfur battery cathodes using phase inversion technique. Polymer, 2018, 151, 171-178.	3.8	19
24	Mask-painting symmetrical micro-supercapacitors based on scalable, pore size adjustable, N-doped hierarchical porous carbon. Journal of Materials Chemistry A, 2021, 9, 14052-14063.	10.3	19
25	Phase Inversion Strategy to Fabricate Porous Carbon for Li-S Batteries via Block Copolymer Self-Assembly. Advanced Materials Interfaces, 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. Particle and Particle Systems Characterization, 2018, 35, 1800364.	2.3	18
27	Effect of Current Collector on Performance of Li-S Batteries. Advanced Materials Interfaces, 2017, 4, 1600811.	3.7	14
28	Hybrid cathode materials for lithium-sulfur batteries. Current Opinion in Electrochemistry, 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. Polymer, 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. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2014, 94-95, 22-26.	2.9	6
31	High Mass Loading Asymmetric Micro-supercapacitors with Ultrahigh Areal Energy and Power Density. ACS Applied Materials & Interfaces, 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. Rubber Chemistry and Technology, 2017, 90, 550-561.	1.2	4
33	Separators for lithium-sulfur batteries. , 2022, , 121-156.		1