

Samantha Husmann

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

521
citations

759233

12
h-index

794594

19
g-index

22
all docs

22
docs citations

22
times ranked

624
citing authors

#	ARTICLE	IF	CITATIONS
1	Ionic liquid-based synthesis of MXene. <i>Chemical Communications</i> , 2020, 56, 11082-11085.	4.1	87
2	Flexible, Transparent and Thin Films of Carbon Nanomaterials as Electrodes for Electrochemical Applications. <i>Electrochimica Acta</i> , 2016, 197, 200-209.	5.2	67
3	Low voltage operation of a silver/silver chloride battery with high desalination capacity in seawater. <i>RSC Advances</i> , 2019, 9, 14849-14858.	3.6	64
4	Carbon nanotube/Prussian blue paste electrodes: Characterization and study of key parameters for application as sensors for determination of low concentration of hydrogen peroxide. <i>Sensors and Actuators B: Chemical</i> , 2014, 192, 782-790.	7.8	55
5	High-performance aqueous rechargeable potassium batteries prepared via interfacial synthesis of a Prussian blue-carbon nanotube composite. <i>Electrochimica Acta</i> , 2020, 349, 136243.	5.2	34
6	Chemically synthesized graphene as a precursor to Prussian blue-based nanocomposite: A multifunctional material for transparent aqueous K-ion battery or electrochromic device. <i>Electrochimica Acta</i> , 2020, 345, 136199.	5.2	30
7	Design of a Prussian Blue Analogue/Carbon Nanotube Thin Film Nanocomposite: Tailored Precursor Preparation, Synthesis, Characterization, and Application. <i>Chemistry - A European Journal</i> , 2016, 22, 6643-6653.	3.3	27
8	Cation effect on the structure and properties of hexacyanometallates-based nanocomposites: Improving cathode performance in aqueous metal-ions batteries. <i>Electrochimica Acta</i> , 2018, 283, 1339-1350.	5.2	23
9	A multi-technique approach towards the mechanistic investigation of the electrodeposition of Prussian blue over carbon nanotubes film. <i>Electrochimica Acta</i> , 2019, 312, 380-391.	5.2	23
10	Multifunctional carbon nanotubes/ruthenium purple thin films: preparation, characterization and study of application as sensors and electrochromic materials. <i>Dalton Transactions</i> , 2015, 44, 5985-5995.	3.3	20
11	Electrospun vanadium sulfide / carbon hybrid fibers obtained via one-step thermal sulfidation for use as lithium-ion battery electrodes. <i>Journal of Power Sources</i> , 2020, 450, 227674.	7.8	19
12	Photoanode for Aqueous Dye-Sensitized Solar Cells based on a Novel Multicomponent Thin Film. <i>ChemSusChem</i> , 2018, 11, 1238-1245.	6.8	16
13	Porous Mixed-Metal Oxide Li-Ion Battery Electrodes by Shear-Induced Co-assembly of Precursors and Tailored Polymer Particles. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 61166-61179.	8.0	12
14	Transparent aqueous rechargeable sodium-ion battery. <i>Electrochimica Acta</i> , 2022, 422, 140548.	5.2	10
15	Layered Titanium Niobium Oxides Derived from Solid-Solution Ti-Nb Carbides (MXene) as Anode Materials for Li-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2022, 5, 8132-8142.	5.1	9
16	Effect of Pore Size on the Ion Electrosorption and Hydrogen/Deuterium Electrosorption Using Sodium Chloride in H ₂ O and D ₂ O. <i>Journal of the Electrochemical Society</i> , 2019, 166, A4158-A4167.	2.9	8
17	Carbon nanotube thin films modified with a mixture of Prussian blue and ruthenium purple: combining materials and properties. <i>Journal of Solid State Electrochemistry</i> , 2018, 22, 2003-2012.	2.5	7
18	Layered Nano-Mosaic of Niobium Disulfide Heterostructures by Direct Sulfidation of Niobium Carbide MXenes for Hydrogen Evolution. <i>Advanced Materials Interfaces</i> , 2022, 9, .	3.7	6

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19	Electrodeposition of Prussian Blue/Carbon Nanotube Composites at a Liquid-Liquid Interface. Journal of the Brazilian Chemical Society, 0, , .	0.6	2
20	Structural and chemical characterization of MoO ₂ /MoS ₂ triple-hybrid materials using electron microscopy in up to three dimensions. Nanoscale Advances, 2021, 3, 1067-1076.	4.6	2
21	Teaching Surface Tension Using Easy-to-do Experiments in Undergraduate Classes. Revista Virtual De Quimica, 2015, 7, .	0.4	0
22	Sulfidation of Electrospun Vanadium Oxide Fiber Mats for Lithium-Ion Battery Electrodes. ECS Meeting Abstracts, 2019, , .	0.0	0