

# Samantha Husmann

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

18  
papers

318  
citations

12  
h-index

17  
g-index

22  
ext. papers

397  
ext. citations

5.5  
avg, IF

4.09  
L-index

#	Paper	IF	Citations
18	Flexible, Transparent and Thin Films of Carbon Nanomaterials as Electrodes for Electrochemical Applications. <i>Electrochimica Acta</i> , <b>2016</b> , 197, 200-209	6.7	61
17	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> , <b>2014</b> , 192, 782-790	8.5	46
16	Low voltage operation of a silver/silver chloride battery with high desalination capacity in seawater.. <i>RSC Advances</i> , <b>2019</b> , 9, 14849-14858	3.7	36
15	Ionic liquid-based synthesis of MXene. <i>Chemical Communications</i> , <b>2020</b> , 56, 11082-11085	5.8	33
14	Design of a Prussian Blue Analogue/Carbon Nanotube Thin-Film Nanocomposite: Tailored Precursor Preparation, Synthesis, Characterization, and Application. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 6643-53	4.8	21
13	Multifunctional carbon nanotubes/ruthenium purple thin films: preparation, characterization and study of application as sensors and electrochromic materials. <i>Dalton Transactions</i> , <b>2015</b> , 44, 5985-95	4.3	17
12	Cation effect on the structure and properties of hexacyanometallates-based nanocomposites: Improving cathode performance in aqueous metal-ions batteries. <i>Electrochimica Acta</i> , <b>2018</b> , 283, 1339-1350	6.7	17
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> , <b>2020</b> , 450, 227674	8.9	15
10	Photoanode for Aqueous Dye-Sensitized Solar Cells based on a Novel Multicomponent Thin Film. <i>ChemSusChem</i> , <b>2018</b> , 11, 1238-1245	8.3	14
9	High-performance aqueous rechargeable potassium batteries prepared via interfacial synthesis of a Prussian blue-carbon nanotube composite. <i>Electrochimica Acta</i> , <b>2020</b> , 349, 136243	6.7	14
8	A multi-technique approach towards the mechanistic investigation of the electrodeposition of Prussian blue over carbon nanotubes film. <i>Electrochimica Acta</i> , <b>2019</b> , 312, 380-391	6.7	13
7	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> , <b>2020</b> , 345, 136199	6.7	12
6	Effect of Pore Size on the Ion Electrosorption and Hydrogen/Deuterium Electrosorption Using Sodium Chloride in H <sub>2</sub> O and D <sub>2</sub> O. <i>Journal of the Electrochemical Society</i> , <b>2019</b> , 166, A4158-A4167	3.9	6
5	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> , <b>2018</b> , 22, 2003-2012	2.6	5
4	Porous Mixed-Metal Oxide Li-Ion Battery Electrodes by Shear-Induced Co-assembly of Precursors and Tailored Polymer Particles.. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 61166-61179	9.5	3
3	Structural and chemical characterization of MoO <sub>2</sub> /MoS <sub>2</sub> triple-hybrid materials using electron microscopy in up to three dimensions. <i>Nanoscale Advances</i> , <b>2021</b> , 3, 1067-1076	5.1	2
2	Layered Nano-Mosaic of Niobium Disulfide Heterostructures by Direct Sulfidation of Niobium Carbide MXenes for Hydrogen Evolution. <i>Advanced Materials Interfaces</i> , <b>2021</b> , 2102185	4.6	1

- 1 Transparent aqueous rechargeable sodium-ion battery. *Electrochimica Acta*, **2022**, 140548

6.7