

Nataliya V Roznyatovskaya

List of Publications by Year in descending order

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1065
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#	ARTICLE	IF	CITATIONS
1	The Chemistry of Redox-Flow Batteries. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 9776-9809.	13.8	565
2	Detection of capacity imbalance in vanadium electrolyte and its electrochemical regeneration for all-vanadium redox-flow batteries. <i>Journal of Power Sources</i> , 2016, 302, 79-83.	7.8	59
3	Vanadium Electrolyte for All-Vanadium Redox-Flow Batteries: The Effect of the Counter Ion. <i>Batteries</i> , 2019, 5, 13.	4.5	45
4	Aspects of electron transfer processes in vanadium redox-flow batteries. <i>Current Opinion in Electrochemistry</i> , 2020, 19, 42-48.	4.8	43
5	The role of phosphate additive in stabilization of sulphuric-acid-based vanadium(V) electrolyte for all-vanadium redox-flow batteries. <i>Journal of Power Sources</i> , 2017, 363, 234-243.	7.8	39
6	The influence of electrochemical treatment on electrode reactions for vanadium redox-flow batteries. <i>Journal of Energy Chemistry</i> , 2018, 27, 1341-1352.	12.9	20
7	Towards an all-vanadium redox-flow battery electrolyte: electrooxidation of V(III) in V(IV)/V(III) redox couple. <i>Electrochimica Acta</i> , 2016, 211, 926-932.	5.2	13
8	The Influence of Free Acid in Vanadium Redox-Flow Battery Electrolyte on Power Drop Effect and Thermally Induced Degradation. <i>Energy Technology</i> , 2020, 8, 2000445.	3.8	8
9	Sieving Effects in Electrical Double-Layer Capacitors Based on Neat $[\text{Al}(\text{hfp})_4]^+$ and $[\text{NTf}_2]^-$ Ionic Liquids. <i>ChemElectroChem</i> , 2015, 2, 829-836.	3.4	6