

Stanislav Melnikov

List of Publications by Year in descending order

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759055

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317
citing authors

#	ARTICLE	IF	CITATIONS
1	Using a microheterogeneous model to assess the applicability of ion-exchange membranes in the process of reverse electrodialysis. <i>Chimica Techno Acta</i> , 2021, 8, 20218205.	0.3	2
2	Use of the Microheterogeneous Model to Assess the Applicability of Ion-Exchange Membranes in the Process of Generating Electricity from a Concentration Gradient. <i>Membranes</i> , 2021, 11, 406.	1.4	7
3	Reactive separation of inorganic and organic ions in electrodialysis with bilayer membranes. <i>Separation and Purification Technology</i> , 2021, 268, 118561.	3.9	11
4	Removal of Excess Alkali from Sodium Naphthenate Solution by Electrodialysis Using Bilayer Membranes for Subsequent Conversion to Naphthenic Acids. <i>Membranes</i> , 2021, 11, 980.	1.4	3
5	Water Splitting and Transport of Ions in Electromembrane System with Bilayer Ion-Exchange Membrane. <i>Membranes</i> , 2020, 10, 346.	1.4	19
6	Permselectivity of bilayered ion-exchange membranes in ternary electrolyte. <i>Journal of Membrane Science</i> , 2020, 608, 118152.	4.1	25
7	Transport properties of bilayer and multilayer surface-modified ion-exchange membranes. <i>Journal of Membrane Science</i> , 2019, 590, 117272.	4.1	21
8	Conversion of water-organic solution of sodium naphthenates into naphthenic acids and alkali by electrodialysis with bipolar membranes. <i>Separation and Purification Technology</i> , 2019, 212, 929-940.	3.9	25
9	Peculiarities of transport-structural parameters of ion-exchange membranes in solutions containing anions of carboxylic acids. <i>Journal of Membrane Science</i> , 2018, 557, 1-12.	4.1	23
10	Ion transport and electrochemical stability of strongly basic anion-exchange membranes under high current electrodialysis conditions. <i>Journal of Membrane Science</i> , 2017, 526, 60-72.	4.1	44
11	Pilot scale complex electrodialysis technology for processing a solution of lithium chloride containing organic solvents. <i>Separation and Purification Technology</i> , 2017, 189, 74-81.	3.9	38
12	Electrodialysis treatment of secondary steam condensate obtained during production of ammonium nitrate. Technical and economic analysis. <i>Separation and Purification Technology</i> , 2016, 157, 179-191.	3.9	37
13	Water splitting at an anion-exchange membrane as studied by impedance spectroscopy. <i>Journal of Membrane Science</i> , 2015, 496, 78-83.	4.1	49
14	Heterogeneous bipolar membranes and their application in electrodialysis. <i>Desalination</i> , 2014, 342, 183-203.	4.0	81
15	Prediction of the mass exchange characteristics of industrial electrodialyzer concentrators. <i>Russian Journal of Electrochemistry</i> , 2014, 50, 32-37.	0.3	10
16	Effect of cation-exchange layer thickness on electrochemical and transport characteristics of bipolar membranes. <i>Journal of Applied Electrochemistry</i> , 2013, 43, 1117-1129.	1.5	31
17	Effect of d-metal hydroxides on water dissociation in bipolar membranes. <i>Petroleum Chemistry</i> , 2011, 51, 577-584.	0.4	26
18	The effect of silver ions and nanoparticles on the properties of ion-exchange materials. <i>Russian Journal of Electrochemistry</i> , 2011, 47, 200-208.	0.3	4

#	ARTICLE	IF	CITATIONS
19	Catalysis of water splitting reaction in asymmetric bipolar membranes with different chemical composition of cation-exchange layer. , 0, 124, 30-36.		8