Irina Falina

List of Publications by Year
in descending order

23	230	1162367 8	996533 15
papers	citations	h-index	g-index

23	23	23	117
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Study of the Degradation of a Perfluorinated Membrane during Operation in a Proton-Exchange Membrane Fuel Cell. Membranes and Membrane Technologies, 2022, 4, 23-30.	0.6	6
2	Permselectivity of Cation Exchange Membranes Modified by Polyaniline. Membranes, 2021, 11, 227.	1.4	28
3	Influence of PtCu/C Catalysts Composition on Electrochemical Characteristics of Polymer Electrolyte Fuel Cell and Properties of Proton Exchange Membrane. Catalysts, 2021, 11, 1063.	1.6	8
4	A Model Description of Diffusion Permeability of Bilayer Ion-Exchange Membranes. Colloid Journal, 2020, 82, 200-207.	0.5	1
5	Effect of Stabilizers on the Morphology of a Platinum Dispersion Deposited on the Surface of Perfluorinated Membrane. Russian Journal of Electrochemistry, 2020, 56, 349-355.	0.3	0
6	Electrodiffusion Characteristics of Halloysite-Modified Bilayer Membranes. Colloid Journal, 2020, 82, 81-92.	0.5	8
7	Investigation of the Nonexchange Sorption of Diverse Electrolytes by a Heterogeneous Sulfonic Cation-Exchange Membrane. Colloid Journal, 2020, 82, 108-114.	0.5	2
8	The Influence of the Counterion Nature on the Electroosmotic Transport of Free Solvent through an MK-40 Ion-Exchange Membrane. Membranes and Membrane Technologies, 2019, 1, 81-87.	0.6	3
9	Morphology and Transport Properties of Hybrid Materials Based on Perfluorinated Membranes, Polyaniline, and Platinum. Russian Journal of Electrochemistry, 2018, 54, 956-962.	0.3	2
10	Transport Asymmetry of Novel Bi-Layer Hybrid Perfluorinated Membranes on the Base of MF-4SC Modified by Halloysite Nanotubes with Platinum. Polymers, 2018, 10, 366.	2.0	19
11	Electrical-percolation effects in epoxy resin/ion-exchange resin/polyaniline anticorrosion composite materials. Protection of Metals and Physical Chemistry of Surfaces, 2017, 53, 725-732.	0.3	6
12	Theoretical estimation of differential coefficients of ion-exchange membrane diffusion permeability. Colloid Journal, 2017, 79, 317-327.	0.5	20
13	Verification of a capillary model for the electroosmotic transport of a free solvent in ion-exchange membranes of different natures. Colloid Journal, 2017, 79, 829-837.	0.5	6
14	Theoretical estimation of conductivity of ion-exchange membranes taking into account to spatial orientation of conducting phases. Russian Journal of Electrochemistry, 2016, 52, 299-306.	0.3	1
15	Effect of counter- and co-ions on the structural transport parameters of sulfoacid cationite membranes. Russian Journal of Physical Chemistry A, 2016, 90, 1633-1638.	0.1	1
16	Model description of conductivity of ionâ€“exchange membranes in a wide range of concentrations of electrolyte solution. Russian Journal of Electrochemistry, 2015, 51, 561-565.	0.3	3
17	Influence of conditions of polyaniline synthesis in perfluorinated membrane on electrotransport properties and surface morphology of composites. Journal of Solid State Electrochemistry, 2015, 19, 2623-2631.	1.2	28
18	New approach to the characterization of ion-exchange membranes using a set of model parameters. Petroleum Chemistry, 2014, 54, 515-525.	0.4	25

#	Article	IF	Citations
19	Electrotransport properties and morphology of MF-4SK membranes after surface modification with polyaniline. Russian Journal of Electrochemistry, 2010, 46, 485-493.	0.3	30
20	Theoretical and experimental study of asymmetry of diffusion permeability of composite membranes. Colloid Journal, 2010, 72, 243-254.	0.5	18
21	Diffusion of solutions in the course of the matrix synthesis of composite membranes MF-4SCâ€"polyaniline and their transport properties. Polymer Science - Series B, 2010, 52, 244-251.	0.3	6
22	New generation of nanocomposite materials based on perfluorinated membranes and polyaniline: Intercalation phenomena, morphology and transport properties. Desalination and Water Treatment, 2010, 14, 246-251.	1.0	7
23	Sorption and conducting properties of perfluorinated MF-4SC membranes in aqueous solutions containing phenylammonium ions. Russian Journal of Electrochemistry, 2009, 45, 108-115.	0.3	2