

Irina Falina

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

230
citations

1162367

8
h-index

996533

15
g-index

23
all docs

23
docs citations

23
times ranked

117
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Electrotransport properties and morphology of MF-4SK membranes after surface modification with polyaniline. Russian Journal of Electrochemistry, 2010, 46, 485-493. | 0.3 | 30 |
| 2 | 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 |
| 3 | Permselectivity of Cation Exchange Membranes Modified by Polyaniline. Membranes, 2021, 11, 227. | 1.4 | 28 |
| 4 | New approach to the characterization of ion-exchange membranes using a set of model parameters. Petroleum Chemistry, 2014, 54, 515-525. | 0.4 | 25 |
| 5 | Theoretical estimation of differential coefficients of ion-exchange membrane diffusion permeability. Colloid Journal, 2017, 79, 317-327. | 0.5 | 20 |
| 6 | 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 |
| 7 | Theoretical and experimental study of asymmetry of diffusion permeability of composite membranes. Colloid Journal, 2010, 72, 243-254. | 0.5 | 18 |
| 8 | Electrodifusion Characteristics of Halloysite-Modified Bilayer Membranes. Colloid Journal, 2020, 82, 81-92. | 0.5 | 8 |
| 9 | 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 |
| 10 | 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 |
| 11 | Diffusion of solutions in the course of the matrix synthesis of composite membranes MF-4SC/polyaniline and their transport properties. Polymer Science - Series B, 2010, 52, 244-251. | 0.3 | 6 |
| 12 | 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 |
| 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 | 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 |
| 15 | Model description of conductivity of ion-exchange membranes in a wide range of concentrations of electrolyte solution. Russian Journal of Electrochemistry, 2015, 51, 561-565. | 0.3 | 3 |
| 16 | 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 |
| 17 | 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 |
| 18 | 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 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Investigation of the Nonexchange Sorption of Diverse Electrolytes by a Heterogeneous Sulfonic Cation-Exchange Membrane. Colloid Journal, 2020, 82, 108-114. | 0.5 | 2 |
| 20 | 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 |
| 21 | 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 |
| 22 | A Model Description of Diffusion Permeability of Bilayer Ion-Exchange Membranes. Colloid Journal, 2020, 82, 200-207. | 0.5 | 1 |
| 23 | 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 |