

Tatyana Sazanova

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Permeability and selectivity of acid gases in supported conventional and novel imidazolium-based ionic liquid membranes. <i>Separation and Purification Technology</i> , 2017, 176, 92-106.	3.9	48
2	The Effect of Microporous Polymeric Support Modification on Surface and Gas Transport Properties of Supported Ionic Liquid Membranes. <i>Membranes</i> , 2016, 6, 4.	1.4	39
3	Preparation and Characterization of Facilitated Transport Membranes Composed of Chitosan-Styrene and Chitosan-Acrylonitrile Copolymers Modified by Methylimidazolium Based Ionic Liquids for CO ₂ Separation from CH ₄ and N ₂ . <i>Membranes</i> , 2016, 6, 31.	1.4	30
4	Novel Composite Membranes Based on Chitosan Copolymers with Polyacrylonitrile and Polystyrene: Physicochemical Properties and Application for Pervaporation Dehydration of Tetrahydrofuran. <i>Membranes</i> , 2019, 9, 38.	1.4	28
5	Porous polyurethanes based on hyperbranched amino ethers of boric acid. <i>RSC Advances</i> , 2016, 6, 111109-111119.	1.7	26
6	Synthesis and properties of novel polyurethanes based on amino ethers of boric acid for gas separation membranes. <i>RSC Advances</i> , 2015, 5, 65674-65683.	1.7	25
7	Dynamic behavior of unsteady-state membrane gas separation: Modelling of a closed-mode operation for a membrane module. <i>Journal of Membrane Science</i> , 2019, 587, 117173.	4.1	22
8	Supported ionic liquid-like phases based on CMS/DVB with different NR ₃ cations as catalysts for the chlorosilanes disproportionation. <i>Applied Catalysis B: Environmental</i> , 2018, 239, 102-113.	10.8	21
9	Low-temperature catalytic hydrogenation of silicon and germanium tetrachlorides on the modified nickel chloride. <i>Applied Catalysis B: Environmental</i> , 2016, 198, 334-346.	10.8	20
10	Plasma-Chemical Synthesis of Lead Sulphide Thin Films for Near-IR Photodetectors. <i>Plasma Chemistry and Plasma Processing</i> , 2021, 41, 493-506.	1.1	13
11	The contributions of supramolecular organization to mechanical properties of chitosan and chitosan copolymers with synthetic polymers according to atomic force microscopy. <i>Polymer Testing</i> , 2018, 68, 350-358.	2.3	9
12	Synthesis and Study of Gas Transport Properties of Polymers Based on Macroinitiators and 2,4-Toluene Diisocyanate. <i>Membranes</i> , 2019, 9, 42.	1.4	9
13	Revealing the Surface Effect on Gas Transport and Mechanical Properties in Nonporous Polymeric Membranes in Terms of Surface Free Energy. <i>Langmuir</i> , 2020, 36, 12911-12921.	1.6	9
14	An atomic force microscopy study of hybrid polymeric membranes: Surface topographical analysis and estimation of pore size distribution. <i>Petroleum Chemistry</i> , 2016, 56, 427-435.	0.4	8
15	New Generation of Materials for the Near-Mid IR Sensors Based on Lead Chalcogenides. , 2019, , .		8
16	Imidazolium-based SILLPs as organocatalysts in silane production: Synthesis, characterization and catalytic activity. <i>Journal of Catalysis</i> , 2019, 375, 427-440.	3.1	7
17	Amphiphilic Poly(dimethylsiloxane-ethylene-propylene oxide)-polyisocyanurate Cross-Linked Block Copolymers in a Membrane Gas Separation. <i>Membranes</i> , 2021, 11, 94.	1.4	5
18	Morphology Effect of Zinc Oxide Nanoparticles on the Gas Separation Performance of Polyurethane Mixed Matrix Membranes for CO ₂ Recovery from CH ₄ , O ₂ , and N ₂ . <i>Membranes</i> , 2022, 12, 577.	1.4	5

#	ARTICLE	IF	CITATIONS
19	Gallium Oxide Films Prepared by Oxidation of Gallium in Oxygen-Hydrogen Plasma. , 2020, , .		4
20	Influence of Temperature Parameters on Morphological Characteristics of Plasma Deposited Zinc Oxide Nanoparticles. Nanomaterials, 2022, 12, 1838.	1.9	4
21	Modeling of Fast-Permeant Component Removal from Gas Mixture in a Membrane Module with Pulsed Retentate. Petroleum Chemistry, 2018, 58, 806-814.	0.4	3
22	Some notes about scanning probe microscopy, nanoengineering and methods of quantum mechanics. IOP Conference Series: Materials Science and Engineering, 2018, 443, 012027.	0.3	2
23	Influence of plasma power on the size distribution of deposited zinc oxide nanorods. IOP Conference Series: Materials Science and Engineering, 2021, 1155, 012093.	0.3	2
24	Transient dynamics in a membrane module with a pulsed change of retentate: Modeling and experimental study of an unsteady-state mode of membrane gas separation process. Separation and Purification Technology, 2021, 259, 118201.	3.9	1
25	Effect of the Substrate Surface Roughness on the Stability of the Parameters of Thin-Film Resistive Elements. Journal of Surface Investigation, 2020, 14, 875-881.	0.1	1
26	Structural features and production of high purity porous supports from silicon dioxide by gas-phase deposition of silicon tetrachloride. Journal of Physics: Conference Series, 2018, 1134, 012069.	0.3	0
27	High-selective catalytic systems based on derivatives of imidazole for the reaction of low-temperature disproportionation of trichlorosilane. Journal of Physics: Conference Series, 2018, 1134, 012070.	0.3	0
28	STUDY OF STRUCTURAL AND THERMOPHYSICAL PROPERTIES OF MEMBRANE MATERIALS BASED ON COPOLYMERS OF CHITOSAN AND IONIC LIQUIDS. Izvestia Ufimskogo Nauchnogo Tsentra RAN, 2018, 2, 88-94.	0.0	0
29	Heat treatment effect of steel 40X (AISI 5140) on microbiological corrosion process under influence of bacteria Pseudomonas aeruginosa: microstructural study. Korroziya: Materialy, Zashchita, 2019, , 37-43.	0.1	0