

Danil Korelskiy

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Functionalization of silica membranes for CO ₂ separation. Separation and Purification Technology, 2020, 235, 116207.	3.9	17
2	Microstructural control of a SSZ-13 zeolite film via rapid thermal processing. Journal of Membrane Science, 2019, 591, 117342.	4.1	24
3	Overview of Alternative Ethanol Removal Techniques for Enhancing Bioethanol Recovery from Fermentation Broth. Processes, 2019, 7, 458.	1.3	36
4	Selective blocking of grain boundary defects in high-flux zeolite membranes by coking. Journal of Materials Chemistry A, 2017, 5, 7295-7299.	5.2	21
5	Efficient separation of N ₂ and He at low temperature using MFI membranes. AIChE Journal, 2016, 62, 2833-2842.	1.8	17
6	High flux acetate functionalized silica membranes based on in-situ co-condensation for CO ₂ /N ₂ separation. Journal of Membrane Science, 2016, 520, 574-582.	4.1	16
7	A study of CO ₂ /CO separation by sub-micron b-oriented MFI membranes. RSC Advances, 2016, 6, 65475-65482.	1.7	18
8	Efficient ceramic zeolite membranes for CO ₂ /H ₂ separation. Journal of Materials Chemistry A, 2015, 3, 12500-12506.	5.2	63
9	Pervaporation of Ethanol/Water Mixtures Through a High-Silica MFI Membrane: Comparison of Different Semi-Empirical Mass Transfer Models. Periodica Polytechnica: Chemical Engineering, 2015, 59, 111-123.	0.5	3
10	A simple method for blocking defects in zeolite membranes. Journal of Membrane Science, 2015, 489, 270-274.	4.1	25
11	Cryogenic air separation at low pressure using MFI membranes. Journal of Membrane Science, 2015, 487, 135-140.	4.1	13
12	MFI membranes for separation of carbon dioxide from synthesis gas at high pressures. Journal of Membrane Science, 2015, 486, 132-137.	4.1	27
13	Preparation of graded silicalite-1 substrates for all-zeolite membranes with excellent CO ₂ /H ₂ separation performance. Journal of Membrane Science, 2015, 493, 206-211.	4.1	20
14	Very high flux MFI membranes for alcohol recovery via pervaporation at high temperature and pressure. Separation and Purification Technology, 2015, 153, 138-145.	3.9	26
15	An experimental study of micropore defects in MFI membranes. Microporous and Mesoporous Materials, 2014, 186, 194-200.	2.2	16
16	A Uniformly Oriented MFI Membrane for Improved CO ₂ Separation. Angewandte Chemie - International Edition, 2014, 53, 3492-3495.	7.2	132
17	MFI zeolite as adsorbent for selective recovery of hydrocarbons from ABE fermentation broths. Adsorption, 2014, 20, 465-470.	1.4	36
18	Ultrathin hydrophobic MFI membranes. Microporous and Mesoporous Materials, 2014, 192, 76-81.	2.2	23

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19	Maxwell-Stefan Modeling of Ethanol and Water Unary Pervaporation through a High-Silica MFI Zeolite Membrane. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 323-332.	1.8	10
20	Reprint of: An experimental study of micropore defects in MFI membranes. <i>Microporous and Mesoporous Materials</i> , 2014, 192, 69-75.	2.2	2
21	High flux MFI membranes for pervaporation. <i>Journal of Membrane Science</i> , 2013, 427, 381-389.	4.1	75
22	Mass transport in porous media from first principles: An experimental and theoretical study. <i>Journal of Membrane Science</i> , 2012, 415-416, 271-277.	4.1	11
23	Characterization of flow-through micropores in MFI membranes by permoporometry. <i>Journal of Membrane Science</i> , 2012, 417-418, 183-192.	4.1	45
24	Ultrathin zeolite X membranes for pervaporation dehydration of ethanol. <i>Journal of Membrane Science</i> , 2012, 399-400, 106-111.	4.1	45
25	Permporometry analysis of zeolite membranes. <i>Journal of Membrane Science</i> , 2009, 345, 276-287.	4.1	72