

# Danil Korelskiy

## List of Publications by Year in descending order

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25  
papers

821  
citations

471061

17  
h-index

525886

27  
g-index

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27  
docs citations

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times ranked

775  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Uniformly Oriented MFI Membrane for Improved CO <sub>2</sub> Separation. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 3492-3495.	7.2	132
2	High flux MFI membranes for pervaporation. <i>Journal of Membrane Science</i> , 2013, 427, 381-389.	4.1	75
3	Permporometry analysis of zeolite membranes. <i>Journal of Membrane Science</i> , 2009, 345, 276-287.	4.1	72
4	Efficient ceramic zeolite membranes for CO <sub>2</sub> /H <sub>2</sub> separation. <i>Journal of Materials Chemistry A</i> , 2015, 3, 12500-12506.	5.2	63
5	Characterization of flow-through micropores in MFI membranes by permporometry. <i>Journal of Membrane Science</i> , 2012, 417-418, 183-192.	4.1	45
6	Ultrathin zeolite X membranes for pervaporation dehydration of ethanol. <i>Journal of Membrane Science</i> , 2012, 399-400, 106-111.	4.1	45
7	MFI zeolite as adsorbent for selective recovery of hydrocarbons from ABE fermentation broths. <i>Adsorption</i> , 2014, 20, 465-470.	1.4	36
8	Overview of Alternative Ethanol Removal Techniques for Enhancing Bioethanol Recovery from Fermentation Broth. <i>Processes</i> , 2019, 7, 458.	1.3	36
9	MFI membranes for separation of carbon dioxide from synthesis gas at high pressures. <i>Journal of Membrane Science</i> , 2015, 486, 132-137.	4.1	27
10	Very high flux MFI membranes for alcohol recovery via pervaporation at high temperature and pressure. <i>Separation and Purification Technology</i> , 2015, 153, 138-145.	3.9	26
11	A simple method for blocking defects in zeolite membranes. <i>Journal of Membrane Science</i> , 2015, 489, 270-274.	4.1	25
12	Microstructural control of a SSZ-13 zeolite film via rapid thermal processing. <i>Journal of Membrane Science</i> , 2019, 591, 117342.	4.1	24
13	Ultrathin hydrophobic MFI membranes. <i>Microporous and Mesoporous Materials</i> , 2014, 192, 76-81.	2.2	23
14	Selective blocking of grain boundary defects in high-flux zeolite membranes by coking. <i>Journal of Materials Chemistry A</i> , 2017, 5, 7295-7299.	5.2	21
15	Preparation of graded silicalite-1 substrates for all-zeolite membranes with excellent CO <sub>2</sub> /H <sub>2</sub> separation performance. <i>Journal of Membrane Science</i> , 2015, 493, 206-211.	4.1	20
16	A study of CO <sub>2</sub> /CO separation by sub-micron b-oriented MFI membranes. <i>RSC Advances</i> , 2016, 6, 65475-65482.	1.7	18
17	Efficient separation of N <sub>2</sub> and he at low temperature using MFI membranes. <i>AIChE Journal</i> , 2016, 62, 2833-2842.	1.8	17
18	Functionalization of silica membranes for CO <sub>2</sub> separation. <i>Separation and Purification Technology</i> , 2020, 235, 116207.	3.9	17

#	ARTICLE	IF	CITATIONS
19	An experimental study of micropore defects in MFI membranes. <i>Microporous and Mesoporous Materials</i> , 2014, 186, 194-200.	2.2	16
20	High flux acetate functionalized silica membranes based on in-situ co-condensation for CO <sub>2</sub> /N <sub>2</sub> separation. <i>Journal of Membrane Science</i> , 2016, 520, 574-582.	4.1	16
21	Cryogenic air separation at low pressure using MFI membranes. <i>Journal of Membrane Science</i> , 2015, 487, 135-140.	4.1	13
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	Maxwell-Stefan Modeling of Ethanol and Water Unary Pervaporation through a High-Silica MFI Zeolite Membrane. <i>Industrial &amp; Engineering Chemistry Research</i> , 2014, 53, 323-332.	1.8	10
24	Pervaporation of Ethanol/Water Mixtures Through a High-Silica MFI Membrane: Comparison of Different Semi-Empirical Mass Transfer Models. <i>Periodica Polytechnica: Chemical Engineering</i> , 2015, 59, 111-123.	0.5	3
25	Reprint of: An experimental study of micropore defects in MFI membranes. <i>Microporous and Mesoporous Materials</i> , 2014, 192, 69-75.	2.2	2