

# Anna Strzelewicz

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

423  
citations

840776

11  
h-index

713466

21  
g-index

26  
all docs

26  
docs citations

26  
times ranked

282  
citing authors

#	ARTICLE	IF	CITATIONS
1	Pervaporation with chitosan membranes containing iron oxide nanoparticles. Separation and Purification Technology, 2014, 133, 8-15.	7.9	58
2	Studies of separation of vapours and gases through composite membranes with ferroferric oxide magnetic nanoparticles. Separation and Purification Technology, 2013, 109, 55-63.	7.9	41
3	Studies on the air membrane separation in the presence of a magnetic field. Journal of Membrane Science, 2007, 294, 60-67.	8.2	39
4	Preparation and Characterization of Iron Oxides " Polymer Composite Membranes. Separation Science and Technology, 2012, 47, 1390-1394.	2.5	37
5	Magnetic Mixed Matrix Membranes Consisting of PPO Matrix and Magnetic Filler in Gas Separation. Separation Science and Technology, 2014, 49, 1729-1735.	2.5	30
6	Structure, morphology and separation efficiency of hybrid Alg/Fe <sub>3</sub> O <sub>4</sub> membranes in pervaporative dehydration of ethanol. Separation and Purification Technology, 2017, 182, 101-109.	7.9	30
7	Structure morphology problems in the air separation by polymer membranes with magnetic particles. Journal of Membrane Science, 2012, 415-416, 864-870.	8.2	25
8	Magnetic mixed matrix membranes in air separation. Chemical Papers, 2014, 68, .	2.2	25
9	Clustering analysis for pervaporation performance assessment of alginate hybrid membranes in dehydration of ethanol. Chemical Engineering Research and Design, 2019, 144, 483-493.	5.6	23
10	On the permeation time lag for different transport equations by Frisch method. Journal of Membrane Science, 2008, 322, 460-465.	8.2	21
11	Influence of Various Parameters on the Air Separation Process by Magnetic Membranes. Separation Science and Technology, 2012, 47, 1395-1404.	2.5	21
12	A spectrophotometric method for plant pigments determination and herbs classification. Chemical Papers, 2014, 68, .	2.2	12
13	The Study of Ethanol/Water Vapors Permeation through Sulfuric Acid Cross-Linked Chitosan Magnetic Membranes. Separation Science and Technology, 2014, 49, 1761-1767.	2.5	10
14	The influence of metal oxides on the separation properties of hybrid alginate membranes. Separation Science and Technology, 2018, 53, 1178-1190.	2.5	10
15	Structure and transport properties of ethylcellulose membranes with different types and granulation of magnetic powder. Physica A: Statistical Mechanics and Its Applications, 2016, 452, 241-250.	2.6	8
16	Structure-diffusion relationship of polymer membranes with different texture. Physical Review E, 2017, 95, 012155.	2.1	6
17	Characterization of the Structure and Transport Properties of Alginate/Chitosan Microparticle Membranes Utilized in the Pervaporative Dehydration of Ethanol. Polymers, 2020, 12, 411.	4.5	6
18	VAPOUR PERMEATION STUDY OF WATER AND ETHANOL THROUGH CROSSLINKED CHITOSAN AND ALGINATE MEMBRANES. Progress on Chemistry and Application of Chitin and Its Derivatives, 2015, XX, 281-288.	0.1	6

#	ARTICLE	IF	CITATIONS
19	Design of polymer membrane morphology with prescribed structure and diffusion properties. Chemical Physics, 2020, 531, 110662.	1.9	4
20	Permeation of ethanol and water vapors through chitosan membranes with ferroferric oxide particles cross-linked by glutaraldehyde and sulfuric(VI) acid. Separation Science and Technology, 2016, 51, 2649-2656.	2.5	3
21	Optimal hybrid membrane structure based on experimental results and simulation analysis of diffusion process. Journal of Materials Science, 2022, 57, 11491-11504.	3.7	2
22	Air Enrichment, by Polymeric Magnetic Membranes. , 2016, , 30-32.		1
23	Air Enrichment, by Polymeric Magnetic Membranes. , 2015, , 1-3.		0
24	Water Transport Through Synthetic Membranes as Inspired by Transport Through Biological Membranes. Biologically-inspired Systems, 2021, , 211-241.	0.2	0
25	Polymeric Magnetic Membranes. , 2014, , 1-2.		0