

# Hamidreza Sanaeepur

## List of Publications by Year in descending order

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papers

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times ranked

1709  
citing authors

#	ARTICLE	IF	CITATIONS
1	CO <sub>2</sub> separation of a novel Ultem-based mixed matrix membrane incorporated with Ni <sup>2+</sup> -exchanged zeolite X. , 2022, 12, 48-66.		6
2	Water desalination and ion removal using mixed matrix electrospun nanofibrous membranes: A critical review. Desalination, 2022, 521, 115350.	4.0	39
3	Recovery of precious metals from industrial wastewater towards resource recovery and environmental sustainability: A critical review. Desalination, 2022, 527, 115510.	4.0	67
4	Polyphenylsulfone/zinc ion-exchanged zeolite Y nanofiltration mixed matrix membrane for water desalination. Journal of Applied Polymer Science, 2022, 139, 52262.	1.3	4
5	Modern perspective in membrane technologies”Sustainable membranes with FNMs. , 2022, , 1-36.		0
6	A critical review on cadmium recovery from wastewater towards environmental sustainability. Desalination, 2022, 535, 115815.	4.0	21
7	A systematic review on carbohydrate biopolymers for adsorptive remediation of copper ions from aqueous environments”Part B: Isotherms, thermokinetics and reusability. Science of the Total Environment, 2021, 754, 142048.	3.9	18
8	Functionalized filler/synthesized 6FDA-Durene high performance mixed matrix membrane for CO <sub>2</sub> separation. Journal of Industrial and Engineering Chemistry, 2021, 93, 482-494.	2.9	24
9	Biodegradable polymers for membrane separation. Separation and Purification Technology, 2021, 269, 118731.	3.9	58
10	Adsorption of dyes on multifunctionalized nano-silica KCC-1. Journal of Molecular Liquids, 2021, 338, 116573.	2.3	30
11	Polymers of intrinsic microporosity and thermally rearranged polymer membranes for highly efficient gas separation. Separation and Purification Technology, 2021, 278, 119513.	3.9	44
12	A systematic review on carbohydrate biopolymers for adsorptive remediation of copper ions from aqueous environments-part A: Classification and modification strategies. Science of the Total Environment, 2020, 738, 139829.	3.9	84
13	Interlocking a synthesized polymer and bifunctional filler containing the same polymer's monomer for conformable hybrid membrane systems. Journal of Materials Chemistry A, 2020, 8, 3942-3955.	5.2	21
14	Hydrogen recovery from ammonia purge gas by a membrane separator: A simulation study. International Journal of Energy Research, 2019, 43, 8217.	2.2	6
15	Heat recovery and optimizing design of furnaces in the gasoline-kerosene units of Tabriz Oil Refining Company. Applied Thermal Engineering, 2019, 161, 114136.	3.0	6
16	Aminosilane cross-linked poly ether-block-amide PEBAX 2533: Characterization and CO <sub>2</sub> separation properties. Korean Journal of Chemical Engineering, 2019, 36, 1339-1349.	1.2	34
17	A novel analytical method for prediction of gas permeation properties in ternary mixed matrix membranes: Considering an adsorption zone around the particles. Separation and Purification Technology, 2019, 225, 112-128.	3.9	14
18	Polyimides in membrane gas separation: Monomer’s molecular design and structural engineering. Progress in Polymer Science, 2019, 91, 80-125.	11.8	237

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19	Substantial breakthroughs on function-led design of advanced materials used in mixed matrix membranes (MMMs): A new horizon for efficient CO <sub>2</sub> separation. <i>Progress in Materials Science</i> , 2019, 102, 222-295.	16.0	179
20	A novel ternary mixed matrix membrane containing glycerol-modified poly(ether-block-amide) (Pebax) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	4.1	86
21	“Ship-in-a-bottle”, a new synthesis strategy for preparing novel hybrid host-guest nanocomposites for highly selective membrane gas separation. <i>Journal of Materials Chemistry A</i> , 2018, 6, 1751-1771.	5.2	57
22	Gas permeation modeling of mixed matrix membranes: Adsorption isotherms and permeability models. <i>Polymer Composites</i> , 2018, 39, 4560-4568.	2.3	19
23	Kinetic Model for Invertase-induced Sucrose Hydrolysis: Initial Time Lag. <i>Chemical Engineering and Technology</i> , 2017, 40, 529-536.	0.9	3
24	Preparation and characterization of (Pebax 1657+Silica nanoparticle)/PVC mixed matrix composite membrane for CO <sub>2</sub> /N <sub>2</sub> separation. <i>Chemical Papers</i> , 2017, 71, 803-818.	1.0	38
25	Preparation and characterization of PDMS/zeolite 4A/PAN mixed matrix thin film composite membrane for CO <sub>2</sub> /N <sub>2</sub> and CO <sub>2</sub> /CH <sub>4</sub> separations. <i>Research on Chemical Intermediates</i> , 2017, 43, 2959-2984.	1.3	19
26	A novel Co <sup>2+</sup> exchanged zeolite Y/cellulose acetate mixed matrix membrane for CO <sub>2</sub> /N <sub>2</sub> separation. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 60, 403-413.	2.7	80
27	Preparation and characterization of Ag <sup>+</sup> ion-exchanged zeolite-Matrimid®5218 mixed matrix membrane for CO <sub>2</sub> /CH <sub>4</sub> separation. <i>Journal of Energy Chemistry</i> , 2016, 25, 450-462.	7.1	70
28	CFD study of CO <sub>2</sub> separation in an HFMC: Under non-wetted and partially-wetted conditions. <i>International Journal of Greenhouse Gas Control</i> , 2016, 49, 81-93.	2.3	22
29	Ethylene vinyl acetate/poly(ethylene glycol) blend membranes for CO <sub>2</sub> /N <sub>2</sub> separation. , 2015, 5, 668-681.		15
30	Cellulose acetate/nano-porous zeolite mixed matrix membrane for CO <sub>2</sub> separation. , 2015, 5, 291-304.		38
31	Phenol removal from industrial wastewaters: a short review. <i>Desalination and Water Treatment</i> , 2015, 53, 2215-2234.	1.0	285
32	Computational fluid dynamics simulation of bubble coalescence and breakup in an internal airlift reactor: Analysis of effects of a draft tube on hydrodynamics and mass transfer. <i>Applied Mathematical Modelling</i> , 2015, 39, 1616-1642.	2.2	22
33	Renewable energies: climate-change mitigation and international climate policy. <i>International Journal of Sustainable Energy</i> , 2014, 33, 203-212.	1.3	29
34	Aminosilane-functionalization of a nanoporous Y-type zeolite for application in a cellulose acetate based mixed matrix membrane for CO <sub>2</sub> separation. <i>RSC Advances</i> , 2014, 4, 63966-63976.	1.7	89
35	Facilitated transport of CO <sub>2</sub> through Co(II)-S-EPDM ionomer membrane. <i>Journal of Membrane Science</i> , 2014, 469, 151-161.	4.1	30
36	A novel acrylonitrile-butadiene-styrene/poly(ethylene glycol) membrane: preparation, characterization, and gas permeation study. <i>Polymers for Advanced Technologies</i> , 2012, 23, 1207-1218.	1.6	61

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37	Mathematical modeling of a time-dependent extractive membrane bioreactor for denitrification of drinking water. <i>Desalination</i> , 2012, 289, 58-65.	4.0	38
38	Direct determination of concentration-dependent diffusion coefficient in polymeric membranes based on the Frisch method. <i>Separation and Purification Technology</i> , 2011, 82, 102-113.	3.9	40
39	Preparation and characterization of acrylonitrile-butadiene-styrene/poly(vinyl acetate) membrane for CO <sub>2</sub> removal. <i>Separation and Purification Technology</i> , 2011, 80, 499-508.	3.9	86
40	Modification of ABS Membrane by PEG for Capturing Carbon Dioxide from CO <sub>2</sub> /N <sub>2</sub> Streams. <i>Separation Science and Technology</i> , 2010, 45, 1385-1394.	1.3	72
41	CFD simulation of a membrane bioreactor for high saline refinery wastewater treatment. , 0, 81, 33-39.		3
42	ynthesis and characterization of TiO <sub>2</sub> nano-particles loaded activated carbon for Congo Red removal from wastewater: kinetic and equilibrium studies. , 0, 124, 308-318.		5