Hamidreza Sanaeepur

List of Publications by Year
in descending order

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Version: 2024-02-01

42 papers	2,102 citations	279701 23 h-index	345118 36 g-index
43 all docs	43 docs citations	43 times ranked	1709 citing authors

#	Article	IF	Citations
1	Phenol removal from industrial wastewaters: a short review. Desalination and Water Treatment, 2015, 53, 2215-2234.	1.0	285
2	Polyimides in membrane gas separation: Monomerâ€™s molecular design and structural engineering. Progress in Polymer Science, 2019, 91, 80-125.	11.8	237
3	Substantial breakthroughs on function-led design of advanced materials used in mixed matrix membranes (MMMs): A new horizon for efficient CO2 separation. Progress in Materials Science, 2019, 102, 222-295.	16.0	179
4	Aminosilane-functionalization of a nanoporous Y-type zeolite for application in a cellulose acetate based mixed matrix membrane for CO₂separation. RSC Advances, 2014, 4, 63966-63976.	1.7	89
5	Preparation and characterization of acrylonitrileâ€“butadieneâ€“styrene/poly(vinyl acetate) membrane for CO2 removal. Separation and Purification Technology, 2011, 80, 499-508.	3.9	86
6	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
7	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
8	A novel Co2+ exchanged zeolite Y/cellulose acetate mixed matrix membrane for CO2/N2 separation. Journal of the Taiwan Institute of Chemical Engineers, 2016, 60, 403-413.	2.7	80
9	Modification of ABS Membrane by PEG for Capturing Carbon Dioxide from CO₂/N₂Streams. Separation Science and Technology, 2010, 45, 1385-1394.	1.3	72
10	Preparation and characterization of Ag+ ion-exchanged zeolite-MatrimidÂ®5218 mixed matrix membrane for CO2/CH4 separation. Journal of Energy Chemistry, 2016, 25, 450-462.	7.1	70
11	Recovery of precious metals from industrial wastewater towards resource recovery and environmental sustainability: A critical review. Desalination, 2022, 527, 115510.	4.0	67
12	A novel acrylonitrileâ€“butadieneâ€“styrene/poly(ethylene glycol) membrane: preparation, characterization, and gas permeation study. Polymers for Advanced Technologies, 2012, 23, 1207-1218.	1.6	61
13	Biodegradable polymers for membrane separation. Separation and Purification Technology, 2021, 269, 118731.	3.9	58
14	â€œShip-in-a-bottleâ€, a new synthesis strategy for preparing novel hybrid hostâ€“guest nanocomposites for highly selective membrane gas separation. Journal of Materials Chemistry A, 2018, 6, 1751-1771.	5.2	57
15	Polymers of intrinsic microporosity and thermally rearranged polymer membranes for highly efficient gas separation. Separation and Purification Technology, 2021, 278, 119513.	3.9	44
16	Direct determination of concentration-dependent diffusion coefficient in polymeric membranes based on the Frisch method. Separation and Purification Technology, 2011, 82, 102-113.	3.9	40
17	Water desalination and ion removal using mixed matrix electrospun nanofibrous membranes: A critical review. Desalination, 2022, 521, 115350.	4.0	39
18	Mathematical modeling of a time-dependent extractive membrane bioreactor for denitrification of drinking water. Desalination, 2012, 289, 58-65.	4.0	38

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19	Cellulose acetate/nanoâ€porous zeolite mixed matrix membrane for CO₂ separation. , 2015, 5, 291-304.		38
20	Preparation and characterization of (Pebax 1657Â+Âsilica nanoparticle)/PVC mixed matrix composite membrane for CO2/N2 separation. Chemical Papers, 2017, 71, 803-818.	1.0	38
21	Aminosilane cross-linked poly ether-block-amide PEBAX 2533: Characterization and CO2 separation properties. Korean Journal of Chemical Engineering, 2019, 36, 1339-1349.	1.2	34
22	Facilitated transport of CO2 through Co(II)-S-EPDM ionomer membrane. Journal of Membrane Science, 2014, 469, 151-161.	4.1	30
23	Adsorption of dyes on multifunctionalized nano-silica KCC-1. Journal of Molecular Liquids, 2021, 338, 116573.	2.3	30
24	Renewable energies: climate-change mitigation and international climate policy. International Journal of Sustainable Energy, 2014, 33, 203-212.	1.3	29
25	Functionalized filler/synthesized 6FDA-Durene high performance mixed matrix membrane for CO2 separation. Journal of Industrial and Engineering Chemistry, 2021, 93, 482-494.	2.9	24
26	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. Applied Mathematical Modelling, 2015, 39, 1616-1642.	2.2	22
27	CFD study of CO 2 separation in an HFMC: Under non-wetted and partially-wetted conditions. International Journal of Greenhouse Gas Control, 2016, 49, 81-93.	2.3	22
28	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
29	A critical review on cadmium recovery from wastewater towards environmental sustainability. Desalination, 2022, 535, 115815.	4.0	21
30	Preparation and characterization of PDMS/zeolite 4A/PAN mixed matrix thin film composite membrane for CO2/N2 and CO2/CH4 separations. Research on Chemical Intermediates, 2017, 43, 2959-2984.	1.3	19
31	Gas permeation modeling of mixed matrix membranes: Adsorption isotherms and permeability models. Polymer Composites, 2018, 39, 4560-4568.	2.3	19
32	A systematic review on carbohydrate biopolymers for adsorptive remediation of copper ions from aqueous environmentsâ€”Part B: Isotherms, thermokinetics and reusability. Science of the Total Environment, 2021, 754, 142048.	3.9	18
33	Ethylene vinyl acetate/poly(ethylene glycol) blend membranes for CO₂/N₂ separation. , 2015, 5, 668-681.		15
34	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
35	Hydrogen recovery from ammonia purge gas by a membrane separator: A simulation study. International Journal of Energy Research, 2019, 43, 8217.	2.2	6
36	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

#	Article	IF	Citations
37	CO₂ separation of a novel Ultemâ€based mixed matrix membrane incorporated with Ni²⁺â€exchanged zeolite X. , 2022, 12, 48-66.		6
38	ynthesis and characterization of TiO2 nano-particles loaded activated carbon for Congo Red removal from wastewater: kinetic and equilibrium studies. , 0, 124, 308-318.		5
39	Polyphenylsulfone/zinc ionâ€exchanged zeolite Y nanofiltration mixed matrix membrane for water desalination. Journal of Applied Polymer Science, 2022, 139, 52262.	1.3	4
40	Kinetic Model for Invertaseâ€Induced Sucrose Hydrolysis: Initial Time Lag. Chemical Engineering and Technology, 2017, 40, 529-536.	0.9	3
41	CFD simulation of a membrane bioreactor for high saline refinery wastewater treatment. , 0, 81, 33-39.		3
42	Modern perspective in membrane technologiesâ€"Sustainable membranes with FNMs. , 2022, , 1-36.		0