Zeinab Abbas Jawad

List of Publications by Year
in descending order

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43 papers	777 citations	623699 14 h-index	526264 27 g-index
43 all docs	43 docs citations	43 times ranked	816 citing authors

#	Article	IF	Citations
1	A cellulose acetate/multi-walled carbon nanotube mixed matrix membrane for CO2/N2 separation. Journal of Membrane Science, 2014, 451, 55-66.	8.2	181
2	Kinetic Analysis of Rice Husk Pyrolysis Using Kissinger-Akahira-Sunose (KAS) Method. Procedia Engineering, 2016, 148, 1247-1251.	1.2	97
3	Catalytic pyrolysis of Chlorella vulgaris: Kinetic and thermodynamic analysis. Bioresource Technology, 2019, 289, 121689.	9.6	63
4	A review and future prospect of polymer blend mixed matrix membrane for CO2 separation. Journal of Polymer Research, 2019, 26, 1.	2.4	44
5	Incorporation of functionalized multi-walled carbon nanotubes (MWCNTs) into cellulose acetate butyrate (CAB) polymeric matrix to improve the CO2/N2 separation. Chemical Engineering Research and Design, 2018, 117, 159-167.	5.6	31
6	Impacts of PVDF polymorphism and surface printing micro-roughness on superhydrophobic membrane to desalinate high saline water. Journal of Environmental Chemical Engineering, 2021, 9, 105418.	6.7	31
7	Superhydrophobic membrane with hierarchically 3D-microtexture to treat saline water by deploying membrane distillation. Journal of Water Process Engineering, 2020, 37, 101528.	5.6	30
8	Particle swarm optimization and global sensitivity analysis for catalytic co-pyrolysis of Chlorella vulgaris and plastic waste mixtures. Bioresource Technology, 2021, 329, 124874.	9.6	30
9	Synergistic effects of catalytic co-pyrolysis Chlorella vulgaris and polyethylene mixtures using artificial neuron network: Thermodynamic and empirical kinetic analyses. Journal of Environmental Chemical Engineering, 2022, 10, 107391.	6.7	27
10	Influence of solvent exchange time on mixed matrix membrane separation performance for CO2/N2 and a kinetic sorption study. Journal of Membrane Science, 2015, 476, 590-601.	8.2	22
11	Surface-templating of rough interface to efficiently recover aquaculture wastewater using membrane distillation. Desalination, 2022, 522, 115419.	8.2	18
12	Zeolite RHO Synthesis Accelerated by Ultrasonic Irradiation Treatment. Scientific Reports, 2019, 9, 15062.	3.3	17
13	Blend cellulose acetate butyrate/functionalised multi-walled carbon nanotubes mixed matrix membrane for enhanced CO2/N2 separation with kinetic sorption study. Journal of Environmental Chemical Engineering, 2020, 8, 104212.	6.7	16
14	A polyethylene glycol (PEG) â€“ polyethersulfone (PES)/multi-walled carbon nanotubes (MWCNTs) polymer blend mixed matrix membrane for CO2/N2Âseparation. Journal of Polymer Research, 2021, 28, 1.	2.4	15
15	The prospect of synthesis of PES/PEG blend membranes using blendÂNMP/DMF for CO2/N2 separation. Journal of Polymer Research, 2021, 28, 1.	2.4	14
16	Simultaneous water reclamation and nutrient recovery of aquaculture wastewater using membrane distillation. Journal of Water Process Engineering, 2022, 46, 102573.	5.6	14
17	Thickness Effect on the Morphology and Permeability of CO2/N2 Gases in Asymmetric Polyetherimide Membrane. Journal of Physical Science, 2017, 28, 201-213.	0.9	13
18	Modified Zeolite/Polysulfone Mixed Matrix Membrane for Enhanced CO2/CH4 Separation. Membranes, 2021, 11, 630.	3.0	12

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19	The Functionalization of Beta-Cyclodextrins on Multi Walled Carbon Nanotubes: Effects of the Dispersant and Non Aqueous Media. Current Nanoscience, 2013, 9, 93-102.	1.2	11
20	Improvement of CO2/N2separation performance by polymer matrix cellulose acetate butyrate. IOP Conference Series: Materials Science and Engineering, 2017, 206, 012072.	0.6	11
21	An In-Situ Thermogravimetric Study of Pyrolysis of Rice Hull with Alkali Catalyst of CaCO₃. IOP Conference Series: Materials Science and Engineering, 0, 458, 012085.	0.6	11
22	Chemical oxidative polymerization of conductive polyaniline-iron oxide composite as an electro-transducer for electrochemical sensing applications. E-Polymers, 2016, 16, 225-233.	3.0	8
23	Functionalised Multi-walled Carbon Nanotubes/Cellulose Acetate Butyrate Mixed Matrix Membrane for CO2/N2 Separation. Journal of Physical Science, 2019, 30, 99-135.	0.9	8
24	The Influence of Blending Different Molecular Weights of Cellulose Acetate Butyrate for CO2/N2 Separation. Journal of Physical Science, 2020, 31, 91-112.	0.9	7
25	CO₂ adsorption of MSU-2 synthesized by using nonionic polyethyleneoxide (PEO)-based surfactants. Chemical Engineering Communications, 2021, 208, 474-482.	2.6	5
26	Development of novel blend poly (Ethylene Glycol) / Poly(Ethersulfone) polymeric membrane using N-Methyl-2-Pyrollidone and dimethylformamide solvents for facilitating CO2/N2 gas separation. Materials Today: Proceedings, 2021, 46, 1963-1970.	1.8	5
27	The Role of Solvent Mixture, Acetic Acid and Water in the Formation of CA Membrane for CO2/N2 Separation. Procedia Engineering, 2016, 148, 327-332.	1.2	4
28	Synthesis of asymmetric polyetherimide membrane for CO2/N2 separation. IOP Conference Series: Materials Science and Engineering, 2017, 206, 012068.	0.6	4
29	The influence of cellulose acetate butyrate membrane structure on CO2/N2 separation: effect of casting thickness and solvent exchange time. Chemical Engineering Communications, 2020, 207, 474-492.	2.6	4
30	Formation of Low Acetyl Content Cellulose Acetate Membrane for CO2/N2 Separation. Journal of Physical Science, 2019, 30, 111-125.	0.9	4
31	The influence of cellulose acetate butyrate membrane structure on the improvement of CO2/N2 separation. Chemical Engineering Communications, 2020, 207, 1707-1718.	2.6	3
32	The Influence of Embedding Different Loadings of MWCNTs on the Structure and Permeation of CAB Blended Membrane. Journal of Physical Science, 2020, 31, 15-36.	0.9	3
33	Influence of Polymer Blending of Cellulose Acetate Butyrate for CO2/N2 Separation. Journal of Physical Science, 2020, 31, 69-84.	0.9	3
34	Preparation and Characterisation of Blend Cellulose Acetate Membrane for CO2/N2 Separation. Journal of Physical Science, 2020, 31, 15-31.	0.9	3
35	A Prospective Concept on the Fabrication of Blend PES/PEG/DMF/NMP Mixed Matrix Membranes with Functionalised Carbon Nanotubes for CO2/N2 Separation. Membranes, 2021, 11, 519.	3.0	2
36	Preparation of mixed matrix membrane using cellulose acetate incorporated with synthesized KIT-6 silica. Journal of Mechanical Engineering and Sciences, 2018, 12, 3505-3514.	0.6	2

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37	Binding Stability of Î²-CD on MWCNTS: Role of Washing Cycle on the Î²-CD Coating. Journal of Physical Science, 2017, 28, 145-153.	0.9	2
38	Effect of Solvent Evaporation Time and Casting Thickness on the Separation Performance of Cellulose Acetate Butyrate Blend Membrane. Journal of Applied Membrane Science & Technology, 2019, 23, .	0.6	1
39	Development of A Blend Poly(ethylene glycol)/Polyethersulfone Membrane for CO2 /N2 Separation. , 0, 9, 43-52.		1
40	A kinetic study of CO2 sorption improvement in the CA-CNTs mixed matrix membrane. IOP Conference Series: Materials Science and Engineering, 2018, 458, 012066.	0.6	0
41	Magnetic separation of micron-sized particles: process study and regression modelling using moving least squares and multivariable power least squares method. Chemical Engineering Communications, 0, , 1-15.	2.6	0
42	Special issue â€œSelected Papers from 8th International Forum on Industrial Bioprocessing (IBA-IFIBiop) 2019â€: International Journal of Food Engineering, 2020, .	1.5	0
43	Development of blend PEG-PES/NMP-DMF mixed matrix membrane for CO2/N2 separation. Environmental Science and Pollution Research, 2023, 30, 124654-124676.	5.3	0