

Zeinab Abbas Jawad

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Development of blend PEG-PES/NMP-DMF mixed matrix membrane for CO ₂ /N ₂ separation. Environmental Science and Pollution Research, 2023, 30, 124654-124676.	5.3	0
2	Surface-templating of rough interface to efficiently recover aquaculture wastewater using membrane distillation. Desalination, 2022, 522, 115419.	8.2	18
3	Simultaneous water reclamation and nutrient recovery of aquaculture wastewater using membrane distillation. Journal of Water Process Engineering, 2022, 46, 102573.	5.6	14
4	Synergistic effects of catalytic co-pyrolysis <i>Chlorella vulgaris</i> and polyethylene mixtures using artificial neuron network: Thermodynamic and empirical kinetic analyses. Journal of Environmental Chemical Engineering, 2022, 10, 107391.	6.7	27
5	CO ₂ adsorption of MSU-2 synthesized by using nonionic polyethyleneoxide (PEO)-based surfactants. Chemical Engineering Communications, 2021, 208, 474-482.	2.6	5
6	A polyethylene glycol (PEG) – polyethersulfone (PES)/multi-walled carbon nanotubes (MWCNTs) polymer blend mixed matrix membrane for CO ₂ /N ₂ separation. Journal of Polymer Research, 2021, 28, 1.	2.4	15
7	The prospect of synthesis of PES/PEG blend membranes using blend NMP/DMF for CO ₂ /N ₂ separation. Journal of Polymer Research, 2021, 28, 1.	2.4	14
8	Particle swarm optimization and global sensitivity analysis for catalytic co-pyrolysis of <i>Chlorella vulgaris</i> and plastic waste mixtures. Bioresource Technology, 2021, 329, 124874.	9.6	30
9	A Prospective Concept on the Fabrication of Blend PES/PEG/DMF/NMP Mixed Matrix Membranes with Functionalised Carbon Nanotubes for CO ₂ /N ₂ Separation. Membranes, 2021, 11, 519.	3.0	2
10	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
11	Modified Zeolite/Polysulfone Mixed Matrix Membrane for Enhanced CO ₂ /CH ₄ Separation. Membranes, 2021, 11, 630.	3.0	12
12	Development of novel blend poly (Ethylene Glycol) / Poly(Ethersulfone) polymeric membrane using N-Methyl-2-Pyrrolidone and dimethylformamide solvents for facilitating CO ₂ /N ₂ gas separation. Materials Today: Proceedings, 2021, 46, 1963-1970.	1.8	5
13	The influence of cellulose acetate butyrate membrane structure on CO ₂ /N ₂ separation: effect of casting thickness and solvent exchange time. Chemical Engineering Communications, 2020, 207, 474-492.	2.6	4
14	The influence of cellulose acetate butyrate membrane structure on the improvement of CO ₂ /N ₂ separation. Chemical Engineering Communications, 2020, 207, 1707-1718.	2.6	3
15	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
16	Blend cellulose acetate butyrate/functionalised multi-walled carbon nanotubes mixed matrix membrane for enhanced CO ₂ /N ₂ separation with kinetic sorption study. Journal of Environmental Chemical Engineering, 2020, 8, 104212.	6.7	16
17	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
18	Influence of Polymer Blending of Cellulose Acetate Butyrate for CO ₂ /N ₂ Separation. Journal of Physical Science, 2020, 31, 69-84.	0.9	3

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19	Preparation and Characterisation of Blend Cellulose Acetate Membrane for CO ₂ /N ₂ Separation. Journal of Physical Science, 2020, 31, 15-31.	0.9	3
20	The Influence of Blending Different Molecular Weights of Cellulose Acetate Butyrate for CO ₂ /N ₂ Separation. Journal of Physical Science, 2020, 31, 91-112.	0.9	7
21	Special issue "Selected Papers from 8th International Forum on Industrial Bioprocessing (IBA-IFIBiop) 2019" International Journal of Food Engineering, 2020, .	1.5	0
22	Zeolite RHO Synthesis Accelerated by Ultrasonic Irradiation Treatment. Scientific Reports, 2019, 9, 15062.	3.3	17
23	Catalytic pyrolysis of Chlorella vulgaris: Kinetic and thermodynamic analysis. Bioresource Technology, 2019, 289, 121689.	9.6	63
24	A review and future prospect of polymer blend mixed matrix membrane for CO ₂ separation. Journal of Polymer Research, 2019, 26, 1.	2.4	44
25	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
26	Formation of Low Acetyl Content Cellulose Acetate Membrane for CO ₂ /N ₂ Separation. Journal of Physical Science, 2019, 30, 111-125.	0.9	4
27	Functionalised Multi-walled Carbon Nanotubes/Cellulose Acetate Butyrate Mixed Matrix Membrane for CO ₂ /N ₂ Separation. Journal of Physical Science, 2019, 30, 99-135.	0.9	8
28	A kinetic study of CO ₂ sorption improvement in the CA-CNTs mixed matrix membrane. IOP Conference Series: Materials Science and Engineering, 2018, 458, 012066.	0.6	0
29	Incorporation of functionalized multi-walled carbon nanotubes (MWCNTs) into cellulose acetate butyrate (CAB) polymeric matrix to improve the CO ₂ /N ₂ separation. Chemical Engineering Research and Design, 2018, 117, 159-167.	5.6	31
30	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
31	Improvement of CO ₂ /N ₂ separation performance by polymer matrix cellulose acetate butyrate. IOP Conference Series: Materials Science and Engineering, 2017, 206, 012072.	0.6	11
32	Synthesis of asymmetric polyetherimide membrane for CO ₂ /N ₂ separation. IOP Conference Series: Materials Science and Engineering, 2017, 206, 012068.	0.6	4
33	Thickness Effect on the Morphology and Permeability of CO ₂ /N ₂ Gases in Asymmetric Polyetherimide Membrane. Journal of Physical Science, 2017, 28, 201-213.	0.9	13
34	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
35	The Role of Solvent Mixture, Acetic Acid and Water in the Formation of CA Membrane for CO ₂ /N ₂ Separation. Procedia Engineering, 2016, 148, 327-332.	1.2	4
36	Kinetic Analysis of Rice Husk Pyrolysis Using Kissinger-Akahira-Sunose (KAS) Method. Procedia Engineering, 2016, 148, 1247-1251.	1.2	97

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37	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
38	Influence of solvent exchange time on mixed matrix membrane separation performance for CO ₂ /N ₂ and a kinetic sorption study. Journal of Membrane Science, 2015, 476, 590-601.	8.2	22
39	A cellulose acetate/multi-walled carbon nanotube mixed matrix membrane for CO ₂ /N ₂ separation. Journal of Membrane Science, 2014, 451, 55-66.	8.2	181
40	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
41	An In-Situ Thermogravimetric Study of Pyrolysis of Rice Hull with Alkali Catalyst of CaCO ₃ . IOP Conference Series: Materials Science and Engineering, 0, 458, 012085.	0.6	11
42	Development of A Blend Poly(ethylene glycol)/Polyethersulfone Membrane for CO ₂ /N ₂ Separation. , 0, 9, 43-52.		1
43	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