Abdul Latif Ahmad

List of Publications by Citations

408 papers	18,508 citations	64 h-index	125 g-index
439 ext. papers	20,506 ext. citations	5.8 avg, IF	7.28 L-index

#	Paper	IF	Citations
408	Adsorption of methylene blue onto bamboo-based activated carbon: kinetics and equilibrium studies. *Journal of Hazardous Materials*, **2007**, 141, 819-25	12.8	981
407	Adsorption of basic dye on high-surface-area activated carbon prepared from coconut husk: equilibrium, kinetic and thermodynamic studies. *Journal of Hazardous Materials*, **2008**, 154, 337-46	12.8	805
406	Microalgae as a sustainable energy source for biodiesel production: A review. *Renewable and Sustainable Energy Reviews*, **2011**, 15, 584-593	16.2	702
405	Equilibrium and kinetic studies on basic dye adsorption by oil palm fibre activated carbon. *Chemical Engineering Journal*, **2007**, 127, 111-119	14.7	565
404	Adsorption of basic dye (methylene blue) onto activated carbon prepared from rattan sawdust. *Dyes and Pigments*, **2007**, 75, 143-149	4.6	479
403	Adsorption isotherms, kinetics, thermodynamics and desorption studies of 2,4,6-trichlorophenol on oil palm empty fruit bunch-based activated carbon. *Journal of Hazardous Materials*, **2009**, 164, 473-82	12.8	477
402	Adsorption isotherm, kinetic modeling and mechanism of 2,4,6-trichlorophenol on coconut husk-based activated carbon. *Chemical Engineering Journal*, **2008**, 144, 235-244	14.7	451
401	Equilibrium modeling and kinetic studies on the adsorption of basic dye by a low-cost adsorbent: coconut (Cocos nucifera) bunch waste. *Journal of Hazardous Materials*, **2008**, 158, 65-72	12.8	430
400	Adsorption isotherm and kinetic modeling of 2,4-D pesticide on activated carbon derived from date stones. *Journal of Hazardous Materials*, **2009**, 163, 121-6	12.8	371
399	Adsorption of basic dye using activated carbon prepared from oil palm shell: batch and fixed bed studies. *Desalination*, **2008**, 225, 13-28	10.3	321
398	Water recycling from palm oil mill effluent (POME) using membrane technology. *Desalination*, **2003**, 157, 87-95	10.3	274
397	Optimization of preparation conditions for activated carbons from coconut husk using response surface methodology. *Chemical Engineering Journal*, **2008**, 137, 462-470	14.7	268
396	Current challenges in membrane separation of CO2 from natural gas: A review. *International Journal of Greenhouse Gas Control*, **2013**, 17, 46-65	4.2	254
395	Adsorption of reactive dye onto cross-linked chitosan/oil palm ash composite beads. *Chemical Engineering Journal*, **2008**, 136, 164-172	14.7	246
394	Coagulation of residue oil and suspended solid in palm oil mill effluent by chitosan, alum and PAC. *Chemical Engineering Journal*, **2006**, 118, 99-105	14.7	240
393	Preparation of activated carbon from coconut husk: optimization study on removal of 2,4,6-trichlorophenol using response surface methodology. *Journal of Hazardous Materials*, **2008**, 153, 709-17	12.8	238
392	Recent development in additives modifications of polyethersulfone membrane for flux enhancement. *Chemical Engineering Journal*, **2013**, 223, 246-267	14.7	234

391	Batch adsorption of phenol onto physiochemical-activated coconut shell. *Journal of Hazardous Materials*, **2009**, 161, 1522-9	12.8	229
390	Optimization of coagulation-flocculation process for palm oil mill effluent using response surface methodology. *Environmental Science & Technology*, **2005**, 39, 2828-34	10.3	198
389	Treatment of pulp and paper mill wastewater by polyacrylamide (PAM) in polymer induced flocculation. *Journal of Hazardous Materials*, **2006**, 135, 378-88	12.8	178
388	Functionalized PSf/SiO2 nanocomposite membrane for oil-in-water emulsion separation. *Desalination*, **2011**, 268, 266-269	10.3	174
387	Adsorption of residue oil from palm oil mill effluent using powder and flake chitosan: equilibrium and kinetic studies. *Water Research*, **2005**, 39, 2483-94	12.5	171
386	Polysulfone membranes blended with ZnO nanoparticles for reducing fouling by oleic acid. *Separation and Purification Technology*, **2012**, 89, 51-56	8.3	165
385	Oryza sativa L. husk as heavy metal adsorbent: optimization with lead as model solution. *Bioresource Technology*, **2006**, 97, 21-5	11	161
384	Optimization of microalgae coagulation process using chitosan. *Chemical Engineering Journal*, **2011**, 173, 879-882	14.7	160
383	Residual oil and suspended solid removal using natural adsorbents chitosan, bentonite and activated carbon: A comparative study. *Chemical Engineering Journal*, **2005**, 108, 179-185	14.7	157
382	Ordered mesoporous silica (OMS) as an adsorbent and membrane for separation of carbon dioxide (CO2). *Advances in Colloid and Interface Science*, **2010**, 153, 43-57	14.3	154
381	Sorption of basic dye from aqueous solution by pomelo (Citrus grandis) peel in a batch system. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2008**, 316, 78-84	5.1	154
380	Optimization of basic dye removal by oil palm fibre-based activated carbon using response surface methodology. *Journal of Hazardous Materials*, **2008**, 158, 324-32	12.8	149
379	Emulsion liquid membrane for heavy metal removal: An overview on emulsion stabilization and destabilization. *Chemical Engineering Journal*, **2011**, 171, 870-882	14.7	147
378	Superhydrophilic (superwetting) surfaces: A review on fabrication and application. *Journal of Industrial and Engineering Chemistry*, **2017**, 47, 19-40	6.3	145
377	A cellulose acetate/multi-walled carbon nanotube mixed matrix membrane for CO2/N2 separation. *Journal of Membrane Science*, **2014**, 451, 55-66	9.6	143
376	Preparation and characterization of activated carbon from oil palm wood and its evaluation on Methylene blue adsorption. *Dyes and Pigments*, **2007**, 75, 263-272	4.6	143
375	Graphene oxide: A promising membrane material for fuel cells. *Renewable and Sustainable Energy Reviews*, **2018**, 82, 714-733	16.2	138
374	Sorption equilibrium and kinetics of basic dye from aqueous solution using banana stalk waste. *Journal of Hazardous Materials*, **2008**, 158, 499-506	12.8	138

373	Rapid magnetophoretic separation of microalgae. *Small*, **2012**, 8, 1683-92	11	136
372	Preparation of oil palm empty fruit bunch-based activated carbon for removal of 2,4,6-trichlorophenol: optimization using response surface methodology. *Journal of Hazardous Materials*, **2009**, 164, 1316-24	12.8	136
371	Optimization studies on acid hydrolysis of oil palm empty fruit bunch fiber for production of xylose. *Bioresource Technology*, **2007**, 98, 554-9	11	134
370	Pretreatment of palm oil mill effluent (POME) using Moringa oleifera seeds as natural coagulant. *Journal of Hazardous Materials*, **2007**, 145, 120-6	12.8	128
369	Dimethoate and atrazine retention from aqueous solution by nanofiltration membranes. *Journal of Hazardous Materials*, **2008**, 151, 71-7	12.8	123
368	A review on carbon nanotubes in an environmental protection and green engineering perspective. *Brazilian Journal of Chemical Engineering*, **2010**, 27, 227-242	1.7	119
367	Properties□performance of thin film composites membrane: study on trimesoyl chloride content and polymerization time. *Journal of Membrane Science*, **2005**, 255, 67-77	9.6	116
366	Coagulation□flocculation process for POME treatment using Moringa oleifera seeds extract: Optimization studies. *Chemical Engineering Journal*, **2007**, 133, 205-212	14.7	113
365	Production of xylose from oil palm empty fruit bunch fiber using sulfuric acid. *Biochemical Engineering Journal*, **2006**, 30, 97-103	4.2	113
364	Improvement of alum and PACl coagulation by polyacrylamides (PAMs) for the treatment of pulp and paper mill wastewater. *Chemical Engineering Journal*, **2008**, 137, 510-517	14.7	112
363	Reactive dyes decolourization from an aqueous solution by combined coagulation/micellar-enhanced ultrafiltration process. *Chemical Engineering Journal*, **2007**, 132, 257-265	14.7	111
362	Preparation and characterization of PVDF/TiO2 mixed matrix membrane via in situ colloidal precipitation method. *Desalination*, **2012**, 295, 61-69	10.3	108
361	Preparation of PVDF□TiO2 mixed-matrix membrane and its evaluation on dye adsorption and UV-cleaning properties. *Chemical Engineering Journal*, **2012**, 197, 359-367	14.7	98
360	Membranes with Great Hydrophobicity: A Review on Preparation and Characterization. *Separation and Purification Reviews*, **2015**, 44, 109-134	7.3	96
359	Poly(N-isopropylacrylamide-co-acrylic acid) hydrogels for copper ion adsorption: Equilibrium isotherms, kinetic and thermodynamic studies. *Journal of Environmental Chemical Engineering*, **2013**, 1, 339-348	6.8	95
358	Removal of disperse dye from aqueous solution using waste-derived activated carbon: optimization study. *Journal of Hazardous Materials*, **2009**, 170, 612-9	12.8	93
357	Enhancement of basic dye adsorption uptake from aqueous solutions using chemically modified oil palm shell activated carbon. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2008**, 318, 88-96	5.1	90
356	Micellar-enhanced ultrafiltration for removal of reactive dyes from an aqueous solution. *Desalination*, **2006**, 191, 153-161	10.3	79

355	Drinking water reclamation from palm oil mill effluent (POME) using membrane technology. *Desalination*, **2006**, 191, 35-44	10.3	77
354	Impact of different spacer filament geometries on concentration polarization control in narrow membrane channel. *Journal of Membrane Science*, **2005**, 262, 138-152	9.6	77
353	Magnetophoretic removal of microalgae from fishpond water: Feasibility of high gradient and low gradient magnetic separation. *Chemical Engineering Journal*, **2012**, 211-212, 22-30	14.7	75
352	Crossflow microfiltration of microalgae biomass for biofuel production. *Desalination*, **2012**, 302, 65-70	10.3	75
351	Polyvinylidene fluoride (PVDF) membrane for oil rejection from oily wastewater: A performance review. *Journal of Water Process Engineering*, **2016**, 14, 41-59	6.7	72
350	Emulsion liquid membrane for cadmium removal: Studies on emulsion diameter and stability. *Desalination*, **2012**, 287, 30-34	10.3	72
349	Carbon dioxide separation using asymmetric polysulfone mixed matrix membranes incorporated with SAPO-34 zeolite. *Fuel Processing Technology*, **2014**, 118, 125-132	7.2	72
348	Ba-SAPO-34 membrane synthesized from microwave heating and its performance for CO2/CH4 gas separation. *Chemical Engineering Journal*, **2011**, 171, 1053-1059	14.7	71
347	Optimization of coagulation-flocculation process for pulp and paper mill effluent by response surface methodological analysis. *Journal of Hazardous Materials*, **2007**, 145, 162-8	12.8	71
346	Poly(3-hydroxybutyrate)-functionalised multi-walled carbon nanotubes/chitosan green nanocomposite membranes and their application in pervaporation. *Separation and Purification Technology*, **2011**, 76, 419-427	8.3	70
345	The effects of solvents on the modification of SAPO-34 zeolite using 3-aminopropyl trimethoxy silane for the preparation of asymmetric polysulfone mixed matrix membrane in the application of CO2 separation. *Microporous and Mesoporous Materials*, **2014**, 192, 52-59	5.3	64
344	Magnetophoretic separation of microalgae: the role of nanoparticles and polymer binder in harvesting biofuel. *RSC Advances*, **2014**, 4, 4114-4121	3.7	62
343	Preparation and modification of poly (vinyl) alcohol membrane: Effect of crosslinking time towards its morphology. *Desalination*, **2012**, 287, 35-40	10.3	61
342	Adsorption of residual oil from palm oil mill effluent using rubber powder. *Brazilian Journal of Chemical Engineering*, **2005**, 22, 371-379	1.7	60
341	Process Optimization for Biodiesel Production from Waste Cooking Palm Oil (Elaeis guineensis) Using Response Surface Methodology. *Energy & Fuels*, **2009**, 23, 1040-1044	4.1	58
340	Impact of different spacer filaments geometries on 2D unsteady hydrodynamics and concentration polarization in spiral wound membrane channel. *Journal of Membrane Science*, **2006**, 286, 77-92	9.6	58
339	Composite Nanofiltration Polyamide Membrane: A Study on the Diamine Ratio and Its Performance Evaluation. *Industrial & Engineering Chemistry Research*, **2004**, 43, 8074-8082	3.9	57
338	Development of a highly hydrophilic nanofiltration membrane for desalination and water treatment. *Desalination*, **2004**, 168, 215-221	10.3	56

337	Recent advances in hydrophilic modification and performance of polyethersulfone (PES) membrane additive blending.. *RSC Advances*, **2018**, 8, 22710-22728	3.7	55
336	Development of an integrally skinned ultrafiltration membrane for wastewater treatment: effect of different formulations of PSf/NMP/PVP on flux and rejection. *Desalination*, **2005**, 179, 257-263	10.3	54
335	Adsorption kinetics and thermodynamics of β-carotene on silica-based adsorbent. *Chemical Engineering Journal*, **2009**, 148, 378-384	14.7	53
334	CO2 removal using membrane gas absorption. *International Journal of Greenhouse Gas Control*, **2010**, 4, 495-498	4.2	53
333	Modification of gas selective SAPO zeolites using imidazolium ionic liquid to develop polysulfone mixed matrix membrane for CO2 gas separation. *Microporous and Mesoporous Materials*, **2017**, 244, 21-30	5.3	52
332	Integrated CFD simulation of concentration polarization in narrow membrane channel. *Computers and Chemical Engineering*, **2005**, 29, 2087-2095	4	52
331	Preparation and characterization of co-polyamide thin film composite membrane from piperazine and 3,5-diaminobenzoic acid. *Desalination*, **2003**, 158, 101-108	10.3	51
330	Ultrafiltration behavior in the treatment of agro-industry effluent: Pilot scale studies. *Chemical Engineering Science*, **2005**, 60, 5385-5394	4.4	51
329	Development of functionalized zeolite membrane and its potential role as reactor combined separator for para-xylene production from xylene isomers. *Chemical Engineering Journal*, **2008**, 139, 172-193	14.7	50
328	Comparison of harvesting methods for microalgae Chlorella sp. and its potential use as a biodiesel feedstock. *Environmental Technology (United Kingdom)*, **2014**, 35, 2244-53	2.6	49
327	Preparation of magnetic, macro-reticulated cross-linked chitosan for tetracycline removal from aquatic systems. *Colloids and Surfaces B: Biointerfaces*, **2014**, 117, 51-9	6	49
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325	Optimization of thaumatin extraction by aqueous two-phase system (ATPS) using response surface methodology (RSM). *Separation and Purification Technology*, **2008**, 62, 702-708	8.3	47
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323	Optimization of membrane performance by thermal-mechanical stretching process using responses surface methodology (RSM). *Separation and Purification Technology*, **2009**, 66, 177-186	8.3	46
322	H2 separation from binary gas mixture using coated alumina–titania membrane by sol–gel technique at high-temperature region. *International Journal of Hydrogen Energy*, **2004**, 29, 817-828	6.7	46
321	Membrane treatment for palm oil mill effluent: Effect of transmembrane pressure and crossflow velocity. *Desalination*, **2005**, 179, 245-255	10.3	45
320	The potential of SAPO-44 zeolite filler in fouling mitigation of polysulfone ultrafiltration membrane. *Separation and Purification Technology*, **2013**, 103, 84-91	8.3	44

319	A study on acid reclamation and copper recovery using low pressure nanofiltration membrane. *Chemical Engineering Journal*, **2010**, 156, 257-263	14.7	44
318	Mathematical modeling and simulation of the multiple solutes system for nanofiltration process. *Journal of Membrane Science*, **2005**, 253, 103-115	9.6	44
317	The role of particle-to-cell interactions in dictating nanoparticle aided magnetophoretic separation of microalgal cells. *Nanoscale*, **2014**, 6, 12838-48	7.7	43
316	Membrane Antifouling Methods and Alternatives: Ultrasound Approach. *Separation and Purification Reviews*, **2012**, 41, 318-346	7.3	43
315	Removal of suspended solids and residual oil from palm oil mill effluent. *Journal of Chemical Technology and Biotechnology*, **2003**, 78, 971-978	3.5	43
314	Layer-by-layer assembly of iron oxide magnetic nanoparticles decorated silica colloid for water remediation. *Chemical Engineering Journal*, **2014**, 243, 68-78	14.7	42
313	Electrosteric stabilization and its role in cooperative magnetophoresis of colloidal magnetic nanoparticles. *Langmuir*, **2012**, 28, 14878-91	4	41
312	Hollow fiber (HF) membrane fabrication: A review on the effects of solution spinning conditions on morphology and performance. *Journal of Industrial and Engineering Chemistry*, **2019**, 70, 35-50	6.3	41
311	Challenges and potential advantages of membranes in lithium air batteries: A review. *Renewable and Sustainable Energy Reviews*, **2017**, 77, 1114-1129	16.2	40
310	Agglomeration, colloidal stability, and magnetic separation of magnetic nanoparticles: collective influences on environmental engineering applications. *Journal of Nanoparticle Research*, **2017**, 19, 1	2.3	40
309	Dependence of the effective diffusion coefficient of moisture with thickness and temperature in convective drying of sliced materials. A study on slices of banana, cassava and pumpkin. *Journal of Food Engineering*, **2011**, 102, 310-316	6	40
308	MnO2-filled multiwalled carbon nanotube/polyaniline nanocomposites with enhanced interfacial interaction and electronic properties. *Scripta Materialia*, **2009**, 61, 592-595	5.6	40
307	Fluorocarbon functionalized SAPO-34 zeolite incorporated in asymmetric mixed matrix membranes for carbon dioxide separation in wet gases. *Microporous and Mesoporous Materials*, **2015**, 206, 23-33	5.3	39
306	A comparative study on the membrane based palm oil mill effluent (POME) treatment plant. *Journal of Hazardous Materials*, **2009**, 171, 166-74	12.8	39
305	Process optimization studies of p-xylene separation from binary xylene mixture over silicalite-1 membrane using response surface methodology. *Journal of Membrane Science*, **2009**, 341, 96-108	9.6	39
304	Preparation of thermoresponsive PVDF/SiO2-PNIPAM mixed matrix membrane for saline oil emulsion separation and its cleaning efficiency. *Desalination*, **2017**, 408, 1-12	10.3	38
303	Membrane distillation: Progress in the improvement of dedicated membranes for enhanced hydrophobicity and desalination performance. *Journal of Industrial and Engineering Chemistry*, **2020**, 86, 13-34	6.3	38
302	Synthesis of thin film composite membrane using mixed dendritic poly(amidoamine) and void filling piperazine monomers. *Journal of Membrane Science*, **2014**, 466, 183-191	9.6	38

301	Carbon dioxide removal from methane by using polysulfone/SAPO-44 mixed matrix membranes. *Fuel Processing Technology*, **2013**, 112, 1-6	7.2	38
300	Chitosan: A Natural Biopolymer for the Adsorption of Residue Oil from Oily Wastewater. *Adsorption Science and Technology*, **2004**, 22, 75-88	3.6	38
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298	Hydrophobic PVDF membrane via two-stage soft coagulation bath system for Membrane Gas Absorption of CO2. *Separation and Purification Technology*, **2013**, 103, 230-240	8.3	37
297	Morphology and polymorph study of a polyvinylidene fluoride (PVDF) membrane for protein binding: Effect of the dissolving temperature. *Desalination*, **2011**, 278, 318-324	10.3	37
296	Synthesis of superhydrophobic alumina membrane: Effects of sol□gel coating, steam impingement and water treatment. *Applied Surface Science*, **2013**, 284, 556-564	6.7	36
295	Prediction of plasticization pressure of polymeric membranes for CO2 removal from natural gas. *Journal of Membrane Science*, **2015**, 480, 39-46	9.6	36
294	Recovery of oil and carotenes from palm oil mill effluent (POME). *Chemical Engineering Journal*, **2008**, 141, 383-386	14.7	36
293	Colloidal Stability and Magnetophoresis of Gold-Coated Iron Oxide Nanorods in Biological Media. *Journal of Physical Chemistry C*, **2012**, 116, 22561-22569	3.8	35
292	Feed spacer mesh angle: 3D modeling, simulation and optimization based on unsteady hydrodynamic in spiral wound membrane channel. *Journal of Membrane Science*, **2009**, 343, 16-33	9.6	35
291	Chemical cleaning of a cross-flow microfiltration membrane fouled by microalgal biomass. *Journal of the Taiwan Institute of Chemical Engineers*, **2014**, 45, 233-241	5.3	34
290	Interfacial sealing and functionalization of polysulfone/SAPO-34 mixed matrix membrane using acetate-based ionic liquid in post-impregnation for CO2 capture. *Separation and Purification Technology*, **2018**, 197, 439-448	8.3	33
289	Population Balance Model (PBM) for flocculation process: Simulation and experimental studies of palm oil mill effluent (POME) pretreatment. *Chemical Engineering Journal*, **2008**, 140, 86-100	14.7	33
288	Effect of thermal treatment on the microstructure of sol□gel derived porous alumina modified platinum. *Microporous and Mesoporous Materials*, **2006**, 91, 268-275	5.3	33
287	Emission control in palm oil mills using artificial neural network and genetic algorithm. *Computers and Chemical Engineering*, **2004**, 28, 2709-2715	4	33
286	Utilization of environmentally benign emulsion liquid membrane (ELM) for cadmium extraction from aqueous solution. *Journal of Water Process Engineering*, **2017**, 15, 26-30	6.7	32
285	Magnetophoretic separation of Chlorella sp.: Role of cationic polymer binder. *Chemical Engineering Research and Design*, **2014**, 92, 515-521	5.5	32
284	On Size Fractionation of Iron Oxide Nanoclusters by Low Magnetic Field Gradient. *Journal of Physical Chemistry C*, **2014**, 118, 24042-24054	3.8	32

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282	Harvesting of microalgal biomass using MF membrane: Kinetic model, CDE model and extended DLVO theory. *Journal of Membrane Science*, **2013**, 446, 341-349	9.6	32
281	Phosphorus recovery from aquaculture wastewater using thermally treated gastropod shell. *Chemical Engineering Research and Design*, **2015**, 98, 296-308	5.5	31
280	Porous (PVDF-HFP/PANI/GO) ternary hybrid polymer electrolyte membranes for lithium-ion batteries.. *RSC Advances*, **2018**, 8, 25725-25733	3.7	31
279	Synthesis and characterization of porous poly(vinylidene fluoride-co-hexafluoro propylene) (PVDF-co-HFP)/poly(aniline) (PANI)/graphene oxide (GO) ternary hybrid polymer electrolyte membrane. *Electrochimica Acta*, **2018**, 283, 842-849	6.7	31
278	Rapid synthesis of thin SAPO-34 membranes using microwave heating. *Journal of Porous Materials*, **2011**, 18, 355-360	2.4	31
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274	Preparation and characterisation of PES-ZnO mixed matrix membranes for humic acid removal. *Desalination and Water Treatment*, **2015**, 54, 3257-3268		29
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272	Electrophoretic interactions between nitrocellulose membranes and proteins: Biointerface analysis and protein adhesion properties. *Colloids and Surfaces B: Biointerfaces*, **2013**, 110, 248-53	6	29
271	Mathematical modeling of multiple solutes system for reverse osmosis process in palm oil mill effluent (POME) treatment. *Chemical Engineering Journal*, **2007**, 132, 183-193	14.7	29
270	Preparation of perovskite alumina ceramic membrane using sol–gel method. *Journal of Membrane Science*, **2005**, 262, 129-137	9.6	29
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260	Fouling behaviours of PVDF-TiO2 mixed-matrix membrane applied to humic acid treatment. *Journal of Water Process Engineering*, **2017**, 15, 89-98	6.7	26
259	CO2 removal using membrane gas absorption with PVDF membrane incorporated with POSS and SAPO-34 zeolite. *Chemical Engineering Research and Design*, **2017**, 118, 238-247	5.5	26
258	Studies on the surface properties of mixed-matrix membrane and its antifouling properties for humic acid removal. *Journal of Applied Polymer Science*, **2013**, 128, 3184-3192	2.9	26
257	Sol□gel synthesized of nanocomposite palladium□lumina ceramic membrane for H2 permeability: Preparation and characterization. *International Journal of Hydrogen Energy*, **2007**, 32, 2010-2021	6.7	26
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255	Preparation of mixed-matrix membranes for micellar enhanced ultrafiltration based on response surface methodology. *Desalination*, **2012**, 293, 7-20	10.3	25
254	Baffled microfiltration membrane and its fouling control for feed water of desalination. *Desalination*, **2004**, 168, 223-230	10.3	25
253	Comparative studies on the effects of casting solvent on physico-chemical and gas transport properties of dense polysulfone membrane used for CO2/CH4 separation. *Journal of Applied Polymer Science*, **2015**, 132, n/a-n/a	2.9	24
252	Comparative studies of Oryza sativa L. husk and chitosan as lead adsorbent. *Journal of Chemical Technology and Biotechnology*, **2006**, 81, 1324-1327	3.5	24
251	Biomimetic hydrophobic membrane: A review of anti-wetting properties as a potential factor in membrane development for membrane distillation (MD). *Journal of Industrial and Engineering Chemistry*, **2020**, 91, 15-36	6.3	24
250	PES/PVP/TiO2 mixed matrix hollow fiber membrane with antifouling properties for humic acid removal. *Journal of Water Process Engineering*, **2019**, 31, 100827	6.7	23
249	Reverse osmosis of binary organic solute mixtures in the presence of strong solute-membrane affinity. *Desalination*, **2004**, 165, 193-199	10.3	23
248	Effects of solvent and ionic liquid properties on ionic liquid enhanced polysulfone/SAPO-34 mixed matrix membrane for CO2 removal. *Microporous and Mesoporous Materials*, **2019**, 283, 64-72	5.3	22

247	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	5.5	22
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