

Abdul Latif Ahmad

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Configuration of molecularly imprinted polymers for specific uptake of pharmaceutical in aqueous media through radical polymerization method. <i>Journal of Polymer Research</i> , 2022 , 29, 1	2.7	0
407	Removal of emerging contaminants by emulsion liquid membrane: perspective and challenges.. <i>Environmental Science and Pollution Research</i> , 2022 , 29, 12997	5.1	0
406	3D-imprinted superhydrophobic polyvinylidene fluoride membrane contactor incorporated with CaCO ₃ nanoparticles for carbon capture. <i>Separation and Purification Technology</i> , 2022 , 287, 120519	8.3	1
405	Intrinsic microspheres structure of electrospun nanofibrous membrane with rational superhydrophobicity for desalination via membrane distillation. <i>Desalination</i> , 2022 , 527, 115594	10.3	1
404	Environmental impacts and imperative technologies towards sustainable treatment of aquaculture wastewater: A review. <i>Journal of Water Process Engineering</i> , 2022 , 46, 102553	6.7	2
403	Polyethersulfone ultrafiltration membranes modified with MAA-EGDMA imprinted polymers for selective atrazine separation. <i>Journal of Water Process Engineering</i> , 2022 , 47, 102761	6.7	0
402	Municipal Landfill Leachate Treatment and Sustainable Ethanol Production: A Biogreen Technology Approach. <i>Microorganisms</i> , 2022 , 10, 880	4.9	1
401	Enhanced Gas Separation Prowess Using Functionalized Lignin-Free Lignocellulosic Biomass/Polysulfone Composite Membranes. <i>Membranes</i> , 2021 , 11,	3.8	1
400	Hydrogen separation using polybenzimidazole membrane with palladium nanoparticles stabilized by polyvinylpyrrolidone. <i>International Journal of Energy Research</i> , 2021 , 45, 15171-15181	4.5	2
399	Carbon dioxide conversion into calcium carbonate nanoparticles using membrane gas absorption. <i>Journal of CO₂ Utilization</i> , 2021 , 48, 101533	7.6	2
398	Molecular imprinted membrane biosensor for pesticide detection: Perspectives and challenges. <i>Polymers for Advanced Technologies</i> , 2021 , 32, 17-30	3.2	7
397	Advanced Application and Fouling Control in Hollow Fibre Direct Contact Membrane Distillation (HF-DCMD). <i>Arabian Journal for Science and Engineering</i> , 2021 , 46, 6439-6456	2.5	0
396	Hybrid membrane technology for waste treatment and resource recovery from aquaculture effluent 2021 , 565-594		
395	A Complete Proposed Framework for Coastal Water Quality Monitoring System With Algae Predictive Model. <i>IEEE Access</i> , 2021 , 9, 108249-108265	3.5	3
394	Influence of membrane character on suppression of coffee-ring effect. <i>Materials Today: Proceedings</i> , 2021 , 46, 1870-1874	1.4	2
393	Physical characterization of LSCF-CuO via enhanced modified sol-gel method for intermediate temperature Solid oxide Fuel Cells (IT-SOFCs). <i>Materials Today: Proceedings</i> , 2021 , 46, 2052-2057	1.4	1
392	Surface Modification of Polytetrafluoroethylene Hollow Fiber Membrane for Direct Contact Membrane Distillation through Low-Density Polyethylene Solution Coating. <i>ACS Omega</i> , 2021 , 6, 4609-4618	2.8	3

391	Isotherm and Electrochemical Properties of Atrazine Sensing Using PVC/MIP: Effect of Porogenic Solvent Concentration Ratio. <i>Membranes</i> , 2021 , 11,	3.8	3
390	Non-solvent Flux Augmentation of an LDPE-Coated Polytetrafluoroethylene Hollow Fiber Membrane for Direct Contact Membrane Distillation. <i>ACS Omega</i> , 2021 , 6, 25201-25210	3.9	1
389	Fabrication, Optimization, and Performance of a TiO Coated Bentonite Membrane for Produced Water Treatment: Effect of Grafting Time. <i>Membranes</i> , 2021 , 11,	3.8	1
388	A review on metal-organic frameworks as filler in mixed matrix membrane: Recent strategies to surpass upper bound for CO ₂ separation. <i>Journal of CO₂ Utilization</i> , 2021 , 51, 101616	7.6	14
387	Lignin modified PVDF membrane with antifouling properties for oil filtration. <i>Journal of Water Process Engineering</i> , 2021 , 43, 102248	6.7	2
386	Slippery membrane surface tuning with polypropylene coating to treat real aquaculture wastewater in membrane distillation. <i>Science of the Total Environment</i> , 2021 , 794, 148657	10.2	5
385	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. <i>Materials Today: Proceedings</i> , 2021 , 46, 1963-1970	1.4	1
384	Physical characterization of LSCF-NiO as cathode material for intermediate temperature solid oxide fuel cell (IT-SOFCs). <i>Materials Today: Proceedings</i> , 2021 , 46, 1895-1900	1.4	0
383	Graphene Oxide-Doped Polymer Inclusion Membrane for Remediation of Pharmaceutical Contaminant of Emerging Concerns: Ibuprofen.. <i>Membranes</i> , 2021 , 12,	3.8	1
382	Mechanism and Compatibility of Pretreated Lignocellulosic Biomass and Polymeric Mixed Matrix Membranes: A Review. <i>Membranes</i> , 2020 , 10,	3.8	6
381	Membrane distillation: Progress in the improvement of dedicated membranes for enhanced hydrophobicity and desalination performance. <i>Journal of Industrial and Engineering Chemistry</i> , 2020 , 86, 13-34	6.3	38
380	Lithium chloride (LiCl)-modified polyethersulfone (PES) substrate surface pore architectures on thin poly(dimethylsiloxane) (PDMS) dense layer formation and the composite membrane's performance in gas separation.. <i>RSC Advances</i> , 2020 , 10, 9500-9511	3.7	2
379	Blend cellulose acetate butyrate/functionalised multi-walled carbon nanotubes mixed matrix membrane for enhanced CO ₂ /N ₂ separation with kinetic sorption study. <i>Journal of Environmental Chemical Engineering</i> , 2020 , 8, 104212	6.8	8
378	Purification of lake water using a PES hollow fiber membrane. <i>Water Science and Technology: Water Supply</i> , 2020 , 20, 529-537	1.4	2
377	Modifications on Polymeric Membranes for Isopropanol Dehydration Using Pervaporation: A Review. <i>Nanotechnology in the Life Sciences</i> , 2020 , 97-124	1.1	
376	Carbon capture by alkaline absorbent using octadecyltrichlorosilane modified PVDF/TiO ₂ membrane. <i>Korean Journal of Chemical Engineering</i> , 2020 , 37, 505-512	2.8	4
375	Study on lignin-free lignocellulosic biomass and PSF-PEG membrane compatibility. <i>BioResources</i> , 2020 , 16, 1063-1075	1.3	1
374	Superhydrophobic surface coating on electrospun polypropylene membrane to treat high salinity water in membrane distillation. <i>Water Science and Technology</i> , 2020 , 82, 2948-2961	2.2	13

373	Investigation of Anti-fouling and UV-Cleaning Properties of PVDF/TiO Mixed-Matrix Membrane for Humic Acid Removal. <i>Membranes</i> , 2020 , 11,	3.8	5
372	The influence of cellulose acetate butyrate membrane structure on the improvement of CO ₂ /N ₂ separation. <i>Chemical Engineering Communications</i> , 2020 , 207, 1707-1718	2.2	1
371	Stability Study of Emulsion Liquid Membrane via Emulsion Size and Membrane Breakage on Acetaminophen Removal from Aqueous Solution Using TOA. <i>ACS Omega</i> , 2020 , 5, 23892-23897	3.9	5
370	A review of demulsification technique and mechanism for emulsion liquid membrane applications. <i>Journal of Dispersion Science and Technology</i> , 2020 , 1-18	1.5	6
369	Preparation of polydimethylsiloxane-SiO ₂ /PVDF-HFP mixed matrix membrane of enhanced wetting resistance for membrane gas absorption. <i>Separation and Purification Technology</i> , 2020 , 244, 116543	8.3	9
368	Stability Study on Acetaminophen Removal from Aqueous Solution using TOA via Emulsion Liquid Membrane. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 736, 022081	0.4	
367	Biomimetic hydrophobic membrane: A review of anti-wetting properties as a potential factor in membrane development for membrane distillation (MD). <i>Journal of Industrial and Engineering Chemistry</i> , 2020 , 91, 15-36	6.3	24
366	Enhancing membrane hydrophobicity using silica end-capped with organosilicon for CO ₂ absorption in membrane contactor. <i>Separation and Purification Technology</i> , 2020 , 251, 117429	8.3	11
365	Functionalized KIT-6/Polysulfone Mixed Matrix Membranes for Enhanced CO/CH Gas Separation. <i>Polymers</i> , 2020 , 12,	4.5	1
364	A critical review to bridge the gaps between carbon capture, storage and use of CaCO ₃ . <i>Journal of CO₂ Utilization</i> , 2020 , 42, 101333	7.6	20
363	Polysulfone-POSS membrane impregnated with ionic liquid for CO ₂ gas separation 2019 ,		2
362	Polysulfone/SAPO-34 zeolite membrane impregnated with 1-ethyl-3-methyl imidazolium bis(tri-fluoromethylsulfonyl)imide ionic liquid for CO ₂ removal 2019 ,		2
361	Adsorption-desorption characteristic of thermo-magneto-responsive poly(N-isopropylacrylamide)-co-acrylic acid composite hydrogel towards chromium (III) ions. <i>Journal of Water Process Engineering</i> , 2019 , 32, 100957	6.7	9
360	Antiwettability enhancement of PVDF-HFP membrane via superhydrophobic modification by SiO ₂ nanoparticles. <i>Comptes Rendus Chimie</i> , 2019 , 22, 369-372	2.7	4
359	Impact of Solute Properties and Water Matrix on Nanofiltration of Pesticides. <i>Chemical Engineering and Technology</i> , 2019 , 42, 1780-1787	2	2
358	Data for molecular recognition between polyamide thin film composite on the polymeric substrate by molecular dynamic. <i>Data in Brief</i> , 2019 , 24, 103910	1.2	
357	Emulsion liquid membrane for lead removal: intensified low shear extraction. <i>International Journal of Innovation and Learning</i> , 2019 , 25, 285	0.6	2
356	PES/PVP/TiO ₂ mixed matrix hollow fiber membrane with antifouling properties for humic acid removal. <i>Journal of Water Process Engineering</i> , 2019 , 31, 100827	6.7	23

355	Occupational and Environmental Risk Factors Influencing the Inducement of Erythema among Nigerian Laboratory University Workers with Multiple Chemical Exposures. <i>International Journal of Environmental Research and Public Health</i> , 2019 , 16,	4.6	1
354	Selective separation of heavy metal ions using amine-rich polyamide TFC membrane. <i>Journal of Industrial and Engineering Chemistry</i> , 2019 , 76, 277-287	6.3	18
353	Dynamic modelling and experimental validation of CO ₂ removal using hydrophobic membrane contactor with different types of absorbent. <i>Separation and Purification Technology</i> , 2019 , 219, 230-240	8.3	20
352	Anti-wetting polyvinylidene fluoride membrane incorporated with hydrophobic polyethylene-functionalized-silica to improve CO ₂ removal in membrane gas absorption. <i>Separation and Purification Technology</i> , 2019 , 221, 275-285	8.3	19
351	Effects of solvent and ionic liquid properties on ionic liquid enhanced polysulfone/SAPO-34 mixed matrix membrane for CO ₂ removal. <i>Microporous and Mesoporous Materials</i> , 2019 , 283, 64-72	5.3	22
350	Antifouling and antibacterial evaluation of ZnO/MWCNT dual nanofiller polyethersulfone mixed matrix membrane. <i>Journal of Environmental Management</i> , 2019 , 249, 109358	7.9	20
349	The role of porogen-polymer complexation in atrazine imprinted polymer to work as an electrochemical sensor in water. <i>Journal of Environmental Chemical Engineering</i> , 2019 , 7, 103500	6.8	6
348	Enhancing membrane wetting resistance through superhydrophobic modification by polydimethylsilane-grafted-SiO ₂ nanoparticles. <i>Korean Journal of Chemical Engineering</i> , 2019 , 36, 1854-1858	7.8	6
347	Evaluation of the Properties, Gas Permeability, and Selectivity of Mixed Matrix Membrane Based on Polysulfone Polymer Matrix Incorporated with KIT-6 Silica. <i>Polymers</i> , 2019 , 11,	4.5	5
346	Effect of Additives on Hydrophobicity of PVDF Membrane in Two-stage Coagulation Baths for Desalination. <i>Journal of Physical Science</i> , 2019 , 30, 207-221	2	4
345	Rheological Evaluation of the Fabrication Parameters of Cellulose Acetate Butyrate Membrane on CO ₂ /N ₂ Separation Performance 2019 , 202-225		
344	Water-in-oil-in-water (W/O/W) emulsion instability in emulsion liquid membrane: membrane breakage. <i>Journal of Physics: Conference Series</i> , 2019 , 1349, 012106	0.3	
343	Preliminary Study of Emulsion Liquid Membrane Formulation on Acetaminophen Removal from the Aqueous Phase. <i>Membranes</i> , 2019 , 9,	3.8	3
342	Functionalization of silica nanoparticles to reduce membrane swelling in CO ₂ absorption process. <i>Journal of Chemical Technology and Biotechnology</i> , 2019 , 95, 1073	3.5	3
341	Formation of a defect-free polyimide/zeolitic imidazolate framework-8 composite membrane for gas separation: in-depth analysis of organic/organic compatibility. <i>Journal of Chemical Technology and Biotechnology</i> , 2019 , 94, 2792-2804	3.5	8
340	Removal of Acetaminophen from Aqueous Solution by Emulsion Liquid Membrane: Emulsion Stability Study. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 713-719	3.9	14
339	Synthesis of 3-aminopropyltriethoxysilane-silica modified polyethersulfone hollow fiber membrane for oil-in-water emulsion separation. <i>Reactive and Functional Polymers</i> , 2019 , 136, 107-121	4.6	21
338	Swelling reduction of polyvinylidene fluoride hollow fiber membrane incorporated with silicoaluminophosphate-34 zeotype filler for membrane gas absorption. <i>Separation and Purification Technology</i> , 2019 , 212, 941-951	8.3	7

337	Ion-Exchanged Silicoaluminophosphate-34 Membrane for Efficient CO ₂ /N ₂ Separation with Low CO ₂ Concentration in the Gas Mixture. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 729-735	3.9	8
336	Hollow fiber (HF) membrane fabrication: A review on the effects of solution spinning conditions on morphology and performance. <i>Journal of Industrial and Engineering Chemistry</i> , 2019 , 70, 35-50	6.3	41
335	Fatty acid profile from immobilised <i>Chlorella vulgaris</i> cells in different matrices. <i>Environmental Technology (United Kingdom)</i> , 2019 , 40, 1110-1117	2.6	6
334	Feasibility of Electrostatic-Mediated Post -Functionalization to Induce Long Term Colloidal Stability and Stability After Freeze Drying of Amphoteric Nanoparticles. <i>Colloids and Interface Science Communications</i> , 2018 , 23, 14-20	5.4	6
333	Juxtaposition of PES based hollow fiber membrane: Antifouling and antibacterial potential of LiCl mediated PVA/ZnO blend. <i>Journal of Industrial and Engineering Chemistry</i> , 2018 , 62, 273-283	6.3	7
332	Interfacial sealing and functionalization of polysulfone/SAPO-34 mixed matrix membrane using acetate-based ionic liquid in post-impregnation for CO ₂ capture. <i>Separation and Purification Technology</i> , 2018 , 197, 439-448	8.3	33
331	Design of core-shell magnetic nanocomposite by using linear and branched polycation as an ad-layer: Influences of the structural and viscoelastic properties. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018 , 539, 209-220	5.1	8
330	Effect of graphene oxide (GO) on Poly(vinylidene fluoride-hexafluoropropylene) (PVDF- HFP) polymer electrolyte membrane. <i>Polymer</i> , 2018 , 142, 330-336	3.9	46
329	Fouling evaluation of polyethersulfone (PES)/sulfonated cation exchange resin (SCER) membrane for BSA separation. <i>Journal of Applied Polymer Science</i> , 2018 , 135, 45854	2.9	14
328	Enhancing the solvent-dendrimer miscibility at the interface and its impact on the thin film composite membrane. <i>Journal of Industrial and Engineering Chemistry</i> , 2018 , 58, 229-239	6.3	8
327	Graphene oxide: A promising membrane material for fuel cells. <i>Renewable and Sustainable Energy Reviews</i> , 2018 , 82, 714-733	16.2	138
326	Recent advances in hydrophilic modification and performance of polyethersulfone (PES) membrane additive blending.. <i>RSC Advances</i> , 2018 , 8, 22710-22728	3.7	55
325	Role of Particle-Particle Interaction Towards Effective Interpretation of -Average and Particle Size Distributions from Dynamic Light Scattering (DLS) Analysis. <i>Journal of Nanoscience and Nanotechnology</i> , 2018 , 18, 6957-6964	1.3	12
324	Facile synthesis and characterization of thermo-magneto-responsive poly(N-isopropylacrylamide)-magnetite composite hydrogel and its adsorption-desorption study on chromium (III). <i>Materials Chemistry and Physics</i> , 2018 , 218, 39-50	4.4	4
323	Porous (PVDF-HFP/PANI/GO) ternary hybrid polymer electrolyte membranes for lithium-ion batteries.. <i>RSC Advances</i> , 2018 , 8, 25725-25733	3.7	31
322	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. <i>Electrochimica Acta</i> , 2018 , 283, 842-849	6.7	31
321	Progress in the modification of reverse osmosis (RO) membranes for enhanced performance. <i>Journal of Industrial and Engineering Chemistry</i> , 2018 , 67, 52-71	6.3	28
320	Incorporation of functionalized multi-walled carbon nanotubes (MWCNTs) into cellulose acetate butyrate (CAB) polymeric matrix to improve the CO ₂ /N ₂ separation. <i>Chemical Engineering Research and Design</i> , 2018 , 117, 159-167	5.5	22

319	Amine wetting evaluation on hydrophobic silane modified polyvinylidene fluoride/silicoaluminophosphate zeolite membrane for membrane gas absorption. <i>Journal of Natural Gas Science and Engineering</i> , 2018 , 58, 115-125	4.6	10
318	Effects of Silica Loading on the Absorption of Carbon Dioxide by Mixed Matrix Membranes. <i>Journal of Physical Science</i> , 2018 , 29, 91-97	2	6
317	MEMBRANE WETTING IN CARBON DIOXIDE ABSORPTION PROCESS USING MEMBRANE CONTACTORS: A REVIEW. <i>Environmental Engineering and Management Journal</i> , 2018 , 17, 723-738	0.6	5
316	Monomer atomic configuration as key feature in governing the gas transport behaviors of polyimide membrane. <i>Journal of Applied Polymer Science</i> , 2018 , 135, 46073	2.9	13
315	Potential of Polysulfone/Polydimethyl Siloxane Thin Film Composite (PSf-PDMS-TFC) Membrane for CO ₂ /N ₂ Gas Separation. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 440, 012014	0.4	
314	Antifouling Properties of PES Membranes by Blending with ZnO Nanoparticles and NMP?Acetone Mixture as Solvent. <i>Membranes</i> , 2018 , 8,	3.8	9
313	Correlation Study of PVDF Membrane Morphology with Protein Adsorption: Quantitative Analysis by FTIR/ATR Technique. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 358, 012054	0.4	
312	Configuration of molecular imprinted polymer for electrochemical atrazine detection. <i>Journal of Polymer Research</i> , 2018 , 25, 1	2.7	10
311	Optimization of a high performance 3-aminopropyltriethoxysilane-silica impregnated polyethersulfone membrane using response surface methodology for ultrafiltration of synthetic oil-water emulsion. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018 , 93, 461-476	5.3	11
310	A Review on Recent Developments and Progress in Natural Gas Processing and Separating Using Nanoparticles Incorporated Membranes 2018 ,		1
309	Study on PVDF-TiO ₂ mixed-matrix membrane behaviour towards humic acid adsorption. <i>Journal of Water Process Engineering</i> , 2017 , 15, 99-106	6.7	13
308	Fouling behaviours of PVDF-TiO ₂ mixed-matrix membrane applied to humic acid treatment. <i>Journal of Water Process Engineering</i> , 2017 , 15, 89-98	6.7	26
307	Coating paint for dyes removal: Performance and characteristic. <i>Journal of Water Process Engineering</i> , 2017 , 15, 18-25	6.7	4
306	Utilization of environmentally benign emulsion liquid membrane (ELM) for cadmium extraction from aqueous solution. <i>Journal of Water Process Engineering</i> , 2017 , 15, 26-30	6.7	32
305	Preparation of thermoresponsive PVDF/SiO ₂ -PNIPAM mixed matrix membrane for saline oil emulsion separation and its cleaning efficiency. <i>Desalination</i> , 2017 , 408, 1-12	10.3	38
304	Green reactive material for phosphorus capture and remediation of aquaculture wastewater. <i>Chemical Engineering Research and Design</i> , 2017 , 105, 21-31	5.5	13
303	Hydrogen Purification Using Polybenzimidazole Mixed-Matrix Membranes with Stabilized Palladium Nanoparticles. <i>Chemical Engineering and Technology</i> , 2017 , 40, 631-638	2	10
302	Polymeric membrane materials selection for high-pressure CO ₂ removal from natural gas. <i>Journal of Polymer Research</i> , 2017 , 24, 1	2.7	15

301	Effect of the colloidal stability of SF-IONPs on the performance of magnetophoretic separation of microalgae 2017 ,		2
300	Effect of polyaniline (PANI) on Poly(vinylidene fluoride-co-hexafluoro propylene) (PVDF-co-HFP) polymer electrolyte membrane prepared by breath figure method. <i>Polymer Testing</i> , 2017 , 60, 124-131	4.5	37
299	Superhydrophilic (superwetting) surfaces: A review on fabrication and application. <i>Journal of Industrial and Engineering Chemistry</i> , 2017 , 47, 19-40	6.3	145
298	Challenges and potential advantages of membranes in lithium air batteries: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2017 , 77, 1114-1129	16.2	40
297	CO ₂ removal using membrane gas absorption with PVDF membrane incorporated with POSS and SAPO-34 zeolite. <i>Chemical Engineering Research and Design</i> , 2017 , 118, 238-247	5.5	26
296	Improvement of CO ₂ /N ₂ separation performance by polymer matrix cellulose acetate butyrate. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 206, 012072	0.4	9
295	Preparation of PVDF/SiO ₂ composite membrane for salty oil emulsion separation: Physicochemical properties changes and its impact on fouling propensity. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 206, 012083	0.4	4
294	Correlating the synthesis protocol of aromatic polyimide film with the properties of polyamic acid precursor. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 206, 012049	0.4	2
293	Synthesis of asymmetric polyetherimide membrane for CO ₂ /N ₂ separation. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 206, 012068	0.4	2
292	Deposition Kinetics of Iron Oxide Nanoparticles on a Poly(diallyldimethylammonium Chloride)-Coated Silica Surface: Influences on the Formation of a Softer Particle-Polyelectrolyte Layer. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 20777-20789	3.8	1
291	Adsorption-desorption study of oil emulsion towards thermo-responsive PVDF/SiO ₂ -PNIPAM composite membrane. <i>Journal of Environmental Chemical Engineering</i> , 2017 , 5, 4471-4482	6.8	6
290	Polyethersulfone composite hollow-fiber membrane prepared by in-situ growth of silica with highly improved oily wastewater separation performance. <i>Journal of Polymer Research</i> , 2017 , 24, 1	2.7	18
289	Influence of ethanol as bore fluid component on the morphological structure and performance of PES hollow fiber membrane for oil in water separation. <i>Korean Journal of Chemical Engineering</i> , 2017 , 34, 2703-2709	2.8	8
288	Agglomeration, colloidal stability, and magnetic separation of magnetic nanoparticles: collective influences on environmental engineering applications. <i>Journal of Nanoparticle Research</i> , 2017 , 19, 1	2.3	40
287	Fouling evaluation of PES/ZnO mixed matrix hollow fiber membrane. <i>Desalination</i> , 2017 , 403, 53-63	10.3	28
286	Modification of gas selective SAPO zeolites using imidazolium ionic liquid to develop polysulfone mixed matrix membrane for CO ₂ gas separation. <i>Microporous and Mesoporous Materials</i> , 2017 , 244, 21-30	5.3	52
285	Effect of Air Gap Distance on PES/PVA Hollow Fibre Membrane's Morphology and Performance. <i>Journal of Physical Science</i> , 2017 , 28, 185-199	2	8
284	Thickness Effect on the Morphology and Permeability of CO ₂ /N ₂ Gases in Asymmetric Polyetherimide Membrane. <i>Journal of Physical Science</i> , 2017 , 28, 201-213	2	10

283	Advances in Liquid Absorbents for CO ₂ Capture: A Review. <i>Journal of Physical Science</i> , 2017 , 28, 121-144	19
282	Polyvinylidene fluoride (PVDF) membrane for oil rejection from oily wastewater: A performance review. <i>Journal of Water Process Engineering</i> , 2016 , 14, 41-59	6.7 72
281	Cadmium removal from aqueous solution by emulsion liquid membrane (ELM): influence of emulsion formulation on cadmium removal and emulsion swelling. <i>Desalination and Water Treatment</i> , 2016 , 57, 28274-28283	12
280	Impact of membrane pore structure on protein detection sensitivity of affinity-based immunoassay. <i>Polish Journal of Chemical Technology</i> , 2016 , 18, 97-103	1 2
279	Influence of palm oil fuel ash, an agro-industry waste on the ultrafiltration performance of cellulose acetate butyrate membrane. <i>Desalination and Water Treatment</i> , 2016 , 57, 26414-26426	6
278	Optimization of PES/ZnO mixed matrix membrane preparation using response surface methodology for humic acid removal. <i>Korean Journal of Chemical Engineering</i> , 2016 , 33, 997-1007	2.8 13
277	Separation of CO ₂ from hydrogen using membrane gas absorption with PVDF/PBI membrane. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 4855-4861	6.7 29
276	PVDF/PBI membrane incorporated with SAPO-34 zeolite for membrane gas absorption. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016 , 63, 143-150	5.3 12
275	Toxicity of bare and surfaced functionalized iron oxide nanoparticles towards microalgae. <i>International Journal of Phytoremediation</i> , 2016 , 18, 643-50	3.9 10
274	Fluorescent molecularly imprinted polymer based on Navicula sp. frustules for optical detection of lysozyme. <i>Analytical and Bioanalytical Chemistry</i> , 2016 , 408, 2083-93	4.4 16
273	Rebuttal to the comment on article Poly(3-hydroxybutyrate)-functionalised multi-walled carbon nanotubes/chitosan green nanocomposite membranes and their application in pervaporation	8.3 2
272	Stability and fouling mechanism of magnetophoretic-actuated PES composite membrane in pH-dependent aqueous medium. <i>Journal of Membrane Science</i> , 2016 , 508, 40-50	9.6 7
271	Optimization of polyvinylidene fluoride (PVDF) membrane fabrication for protein binding using statistical experimental design. <i>Journal of Immunoassay and Immunochemistry</i> , 2016 , 37, 421-37	1.8 4
270	Gas Permeation Properties of Modified SAPO-34 Zeolite Membranes. <i>Procedia Engineering</i> , 2016 , 148, 1225-1231	7
269	A Study on the Mixing Characteristics of Thin Liquid Film Flows over Horizontal Spinning Disk Surface. <i>Procedia Engineering</i> , 2016 , 148, 957-962	1
268	The Role of Solvent Mixture, Acetic Acid and Water in the Formation of CA Membrane for CO ₂ /N ₂ Separation. <i>Procedia Engineering</i> , 2016 , 148, 327-332	4
267	Process modeling and optimization studies of high pressure membrane separation of CO ₂ from natural gas. <i>Korean Journal of Chemical Engineering</i> , 2016 , 33, 2998-3010	2.8 5
266	Influence of the physicochemical environment on membrane-protein binding: investigation using a fabricated PVDF membrane. <i>Journal of Polymer Engineering</i> , 2015 , 35, 339-347	1.4

265	Magnetic nanoparticles augmented composite membranes in removal of organic foulant through magnetic actuation. <i>Journal of Membrane Science</i> , 2015 , 493, 134-146	9.6	27
264	Thin coated adsorbent layer: characteristics and performance study. <i>Desalination and Water Treatment</i> , 2015 , 55, 956-969		11
263	Effects of dissolved organic matter and suspended solids on the magnetophoretic separation of microalgal cells from an aqueous environment. <i>Chemical Engineering Journal</i> , 2015 , 281, 523-530	14.7	10
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