Gangasalam Arthanareeswaran

List of Publications by Citations

133 papers	3,187 citations	32 h-index	50 g-index
153 ext. papers	3,883 ext. citations	5.6 avg, IF	5.92 L-index

#	Paper	IF	Citations
133	Synthesis, characterization and thermal studies on cellulose acetate membranes with additive. *European Polymer Journal*, **2004**, 40, 2153-2159	5.2	173
132	Effect of silica particles on cellulose acetate blend ultrafiltration membranes: Part I. *Separation and Purification Technology*, **2008**, 64, 38-47	8.3	172
131	Preparation, characterization and performance studies of ultrafiltration membranes with polymeric additive. *Journal of Membrane Science*, **2010**, 350, 130-138	9.6	108
130	Effect of silver loaded sodium zirconium phosphate (nanoAgZ) nanoparticles incorporation on PES membrane performance. *Desalination*, **2012**, 285, 100-107	10.3	101
129	Recent progress in ionic liquid membranes for gas separation. *Journal of Molecular Liquids*, **2018**, 266, 330-341	6	96
128	Performance of modified poly(vinylidene fluoride) membrane for textile wastewater ultrafiltration. *Desalination*, **2011**, 282, 87-94	10.3	95
127	Enhanced oil–water separation using polysulfone membranes modified with polymeric additives. *Desalination*, **2014**, 344, 280-288	10.3	93
126	Fabrication of cellulose acetate–zirconia hybrid membranes for ultrafiltration applications: Performance, structure and fouling analysis. *Separation and Purification Technology*, **2010**, 74, 230-235	8.3	89
125	Effect of solvents on performance of polyethersulfone ultrafiltration membranes: Investigation of metal ion separations. *Desalination*, **2011**, 267, 57-63	10.3	75
124	Synthesis and characterization of copper nanofluid by a novel one-step method. *Materials Chemistry and Physics*, **2009**, 113, 57-62	4.4	72
123	Enhancement of antibacterial properties of silver nanoparticles-ceftriaxone conjugate through Mukia maderaspatana leaf extract mediated synthesis. *Ecotoxicology and Environmental Safety*, **2015**, 121, 135-41	7	70
122	Preparation and performance of polysulfone-sulfonated poly(ether ether ketone) blend ultrafiltration membranes. Part I. *Applied Surface Science*, **2007**, 253, 8705-8712	6.7	69
121	Impact of graphene oxide embedded polyethersulfone membranes for the effective treatment of distillery effluent. *Chemical Engineering Journal*, **2016**, 286, 528-537	14.7	65
120	The influence of tetraethylorthosilicate and polyethyleneimine on the performance of polyethersulfone membranes. *Desalination*, **2012**, 287, 61-70	10.3	61
119	Development, characterization and separation performance of organic–inorganic membranes: Part II. Effect of additives. *Separation and Purification Technology*, **2009**, 67, 271-281	8.3	57
118	Sulfonated poly(arylene ether sulfone) nanocomposite electrolyte membrane for fuel cell applications: A review. *International Journal of Hydrogen Energy*, **2017**, 42, 1063-1074	6.7	56
117	Removal of chromium from aqueous solution using cellulose acetate and sulfonated poly(ether ether ketone) blend ultrafiltration membranes. *Journal of Hazardous Materials*, **2007**, 139, 44-9	12.8	56

116	Treatment of laundry wastewater using polyethersulfone/polyvinylpyrollidone ultrafiltration membranes. *Ecotoxicology and Environmental Safety*, **2015**, 121, 174-9	7	53
115	Studies on cellulose acetate and sulfonated poly(ether ether ketone) blend ultrafiltration membranes. *European Polymer Journal*, **2004**, 40, 751-762	5.2	53
114	Perspective of renewable desalination by using membrane distillation. *Chemical Engineering Research and Design*, **2019**, 144, 520-537	5.5	52
113	Effective treatment of dye polluted wastewater using nanoporous CaCl2 modified polyethersulfone membrane. *Chemical Engineering Research and Design*, **2019**, 124, 266-278	5.5	50
112	Hydrophilic hierarchical carbon with TiO2 nanofiber membrane for high separation efficiency of dye and oil-water emulsion. *Separation and Purification Technology*, **2020**, 241, 116709	8.3	50
111	Curcumin drug delivery by vanillin-chitosan coated with calcium ferrite hybrid nanoparticles as carrier. *European Journal of Pharmaceutical Sciences*, **2018**, 116, 48-60	5.1	48
110	Adsorptive Removal of Humic Acid by Zirconia Embedded in a Poly(ether sulfone) Membrane. *Industrial & Engineering Chemistry Research*, **2014**, 53, 11355-11364	3.9	44
109	Enhancement of fuel cell properties in polyethersulfone and sulfonated poly (ether ether ketone) membranes using metal oxide nanoparticles for proton exchange membrane fuel cell. *International Journal of Hydrogen Energy*, **2018**, 43, 21750-21759	6.7	41
108	Functionalized titanate nanotube□polyetherimide nanocomposite membrane for improved salt rejection under low pressure nanofiltration. *RSC Advances*, **2015**, 5, 39464-39473	3.7	38
107	Preparation and characterization of TiO2-sulfonated polymer embedded polyetherimide membranes for effective desalination application. *Desalination*, **2015**, 365, 355-364	10.3	37
106	Biomass-Derived Dialdehyde Cellulose Cross-linked Chitosan-Based Nanocomposite Hydrogel with Phytosynthesized Zinc Oxide Nanoparticles for Enhanced Curcumin Delivery and Bioactivity. *Journal of Agricultural and Food Chemistry*, **2019**, 67, 10880-10890	5.7	36
105	Removal of hazardous material from wastewater by using metal organic framework (MOF) embedded polymeric membranes. *Separation Science and Technology*, **2019**, 54, 434-446	2.5	36
104	Treatment of paper mill effluent using Polyethersulfone/functionalised multiwalled carbon nanotubes based nanocomposite membranes. *Chemical Engineering Journal*, **2014**, 236, 369-377	14.7	34
103	Impact of solvents and process conditions on the formation of polyethersulfone membranes and its fouling behavior in lake water filtration. *Journal of Chemical Technology and Biotechnology*, **2016**, 91, 2568-2581	3.5	33
102	Metal ion separation and protein removal from aqueous solutions using modified cellulose acetate membranes: Role of polymeric additives. *Separation and Purification Technology*, **2007**, 55, 8-15	8.3	32
101	Cellulose acetate□poly(ether sulfone) blend ultrafiltration membranes. II. Application studies. *Journal of Applied Polymer Science*, **2004**, 92, 3659-3665	2.9	32
100	Effect of additives concentration on performance of cellulose acetate and polyethersulfone blend membranes. *Journal of Porous Materials*, **2010**, 17, 515-522	2.4	27
99	Activated carbon from date seeds for chromium removal in aqueous solution156, 267-277		27

98	Influence of bentonite in polymer membranes for effective treatment of car wash effluent to protect the ecosystem. *Ecotoxicology and Environmental Safety*, **2015**, 121, 186-92	7	25
97	Preparation and Performance Evaluation of Nanokaolinite-Particle-Based Polyacrylonitrile Mixed-Matrix Membranes. *Industrial & Engineering Chemistry Research*, **2012**, 51, 4942-4951	3.9	25
96	PVDF mixed matrix nano-filtration membranes integrated with 1D-PANI/TiO2 NFs for oil□water emulsion separation. *RSC Advances*, **2016**, 6, 18899-18908	3.7	23
95	PREPARATION AND PERFORMANCE STUDIES ON POLYETHERSULFONE ULTRAFILTRATION MEMBRANES MODIFIED WITH GELATIN FOR TREATMENT OF TANNERY AND DISTILLERY WASTEWATER. *Brazilian Journal of Chemical Engineering*, **2015**, 32, 179-189	1.7	23
94	Performance of polysulfone hollow fiber membranes encompassing ZIF-8, SiO2/ZIF-8, and amine-modified SiO2/ZIF-8 nanofillers for CO2/CH4 and CO2/N2 gas separation. *Separation and Purification Technology*, **2021**, 264, 118471	8.3	22
93	Diethylenetriaminepentaacetic acid-functionalized multi-walled carbon nanotubes/titanium oxide-PVDF nanofiber membrane for effective separation of oil/water emulsion. *Separation and Purification Technology*, **2021**, 257, 117926	8.3	22
92	Electrospun carbon nanofibers/TiO2-PAN hybrid membranes for effective removal of metal ions and cationic dye. *Environmental Nanotechnology, Monitoring and Management*, **2018**, 10, 366-376	3.3	22
91	Effective removal of humic acid using xanthan gum incorporated polyethersulfone membranes. *Ecotoxicology and Environmental Safety*, **2015**, 121, 223-8	7	21
90	Nanoparticle- and Nanoporous-Membrane-Mediated Delivery of Therapeutics. *Pharmaceutics*, **2019**, 11,	6.4	21
89	Effect of bio-mediated route synthesized silver nanoparticles for modification of polyethersulfone membranes. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2014**, 451, 151-160	5.1	21
88	Performance characterization of cellulose acetate and poly(vinylpyrrolidone) blend membranes. *Journal of Applied Polymer Science*, **2007**, 104, 3042-3049	2.9	21
87	Polymeric membrane modification using SPEEK and bentonite for ultrafiltration of dairy wastewater. *Journal of Applied Polymer Science*, **2015**, 132, n/a-n/a	2.9	20
86	Separation of acetic acid and reducing sugars from biomass derived hydrosylate using biopolymer blend polyethersulfone membrane. *Separation and Purification Technology*, **2013**, 118, 853-861	8.3	20
85	Fabrication and Characterization of CA/PSf/SPEEK Ternary Blend Ultrafiltration Membranes. *Industrial & Engineering Chemistry Research*, **2008**, 47, 1488-1494	3.9	20
84	Influence of copper oxide nanomaterials in a poly(ether sulfone) membrane for improved humic acid and oil□water separation. *Journal of Applied Polymer Science*, **2016**, 133,	2.9	20
83	Polyaniline coated sulfonated TiO2 nanoparticles for effective application in proton conductive polymer membrane fuel cell. *European Polymer Journal*, **2019**, 112, 696-703	5.2	20
82	Concentration of whey protein from cheese whey effluent using ultrafiltration by combination of hydrophilic metal oxides and hydrophobic polymer. *Journal of Chemical Technology and Biotechnology*, **2018**, 93, 2576-2591	3.5	19
81	Silver nano-particle coated hydroxyapatite nano-composite membrane for the treatment of palm oil mill effluent. *Journal of Water Process Engineering*, **2019**, 31, 100844	6.7	18

80	Studies on Cellulose Acetate/Low Cyclic Dimmer Polysulfone Blend Ultrafiltration Membranes and their Applications. *Separation Science and Technology*, **2006**, 41, 2895-2912	2.5	18
79	Photocatalytic membrane filtration and its advantages over conventional approaches in the treatment of oily wastewater: A review. *Asia-Pacific Journal of Chemical Engineering*, **2020**, 15, e2533	1.3	17
78	Nano-curcumin incorporated polyethersulfone membranes for enhanced anti-biofouling in treatment of sewage plant effluent. *Materials Science and Engineering C*, **2019**, 94, 258-269	8.3	17
77	Intensification of the ultrafiltration of real oil-contaminated (produced) water with pre-ozonation and/or with TiO, TiO/CNT nanomaterial-coated membrane surfaces. *Environmental Science and Pollution Research*, **2020**, 27, 22195-22205	5.1	16
76	Synthesis of highly stable PTFE-ZrP-PVA composite membrane for high-temperature direct methanol fuel cell. *International Journal of Hydrogen Energy*, **2020**, 45, 7829-7837	6.7	16
75	Performance and properties of modified poly (vinylidene fluoride) membranes using general purpose polystyrene (GPPS) by DIPS method. *Desalination*, **2011**, 283, 169-177	10.3	15
74	Pillared cloisite 15A as an enhancement filler in polysulfone mixed matrix membranes for CO2/N2 and O2/N2 gas separation. *Journal of Natural Gas Science and Engineering*, **2021**, 86, 103720	4.6	15
73	Zero-valent iron impregnated cellulose acetate mixed matrix membranes for the treatment of textile industry effluent. *RSC Advances*, **2015**, 5, 62486-62497	3.7	14
72	Hierarchically Porous Nanostructured Nickel Phosphide with Carbon Particles Embedded by Dielectric Barrier Discharge Plasma Deposition as a Binder-Free Electrode for Hybrid Supercapacitors. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 14805-14814	8.3	14
71	Development of dense void-free electrospun SPEEK-Cloisite15A membrane for direct methanol fuel cell application: Optimization using response surface methodology. *International Journal of Hydrogen Energy*, **2017**, 42, 26496-26510	6.7	14
70	Modification methods of polyethersulfone membranes for minimizing fouling - Review. *Membrane Water Treatment*, **2015**, 6, 323-337		14
69	Enhancement of permeability and antibiofouling properties of polyethersulfone (PES) membrane through incorporation of quorum sensing inhibition (QSI) compound. *Journal of the Taiwan Institute of Chemical Engineers*, **2017**, 72, 200-212	5.3	13
68	Functionalised activated carbon modified polyphenylsulfone composite membranes for adsorption enhanced phenol filtration. *Journal of Chemical Technology and Biotechnology*, **2016**, 91, 748-761	3.5	13
67	Extraction of peroxidase from waste Brassica oleracea used for the treatment of aqueous phenol in synthetic waste water. *Journal of Environmental Chemical Engineering*, **2014**, 2, 1148-1154	6.8	13
66	Titanium dioxide doped hydroxyapatite incorporated photocatalytic membranes for the degradation of chloramphenicol antibiotic in water. *Journal of Chemical Technology and Biotechnology*, **2021**, 96, 1057-1066	3.5	13
65	Exploring the potential of curcumin for control of N-acyl homoserine lactone-mediated biofouling in membrane bioreactors for wastewater treatment. *RSC Advances*, **2017**, 7, 16392-16400	3.7	12
64	Effects of in situ and ex situ formations of silica nanoparticles on polyethersulfone membranes. *Polymer Bulletin*, **2014**, 71, 2851-2861	2.4	11
63	Efficient removal of anionic, cationic textile dyes and salt mixture using a novel CS/MIL-100 (Fe) based nanofiltration membrane. *Chemosphere*, **2021**, 284, 131244	8.4	11

62	Surface-constructing of visible-light BiWO/CeO nanophotocatalyst grafted PVDF membrane for degradation of tetracycline and humic acid. *Journal of Hazardous Materials*, **2022**, 421, 126747	12.8	11
61	Synthesis and electrochemical properties of blend membranes of polysulfone and poly (acrylic acid-co-2-(2-(piperazin-1-yl) ethylamino)-2-hydroxyethyl methacrylate) for proton exchange membrane fuel cell. *International Journal of Hydrogen Energy*, **2018**, 43, 21760-21768	6.7	10
60	CuO-loaded hydrophobically modified chitosan as hybrid carrier for curcumin delivery and anticancer activity. *Asia-Pacific Journal of Chemical Engineering*, **2017**, 12, 858-871	1.3	10
59	Iron oxide modified polyethersulfone/cellulose acetate blend membrane for enhanced defluoridation application156, 177-188		10
58	Recent development of photocatalytic nanomaterials in mixed matrix membrane for emerging pollutants and fouling control, membrane cleaning process. *Chemosphere*, **2021**, 281, 130891	8.4	10
57	Treatment of synthetic textile dye effluent using hybrid adsorptive ultrafiltration mixed matrix membranes. *Chemical Engineering Research and Design*, **2020**, 159, 92-104	5.5	9
56	Harvesting of microalgae Coelastrella sp. FI69 using pore former induced TiO2 incorporated PES mixed matrix membranes. *Journal of Chemical Technology and Biotechnology*, **2018**, 93, 645-655	3.5	9
55	Effects of special nanoparticles on fuel cell properties of sulfonated polyethersulfone membrane. *International Journal of Polymeric Materials and Polymeric Biomaterials*, **2016**, 65, 294-301	3	9
54	Numerical optimization of flow uniformity inside an under body- oval substrate to improve emissions of IC engines. *Journal of Computational Design and Engineering*, **2016**, 3, 198-214	4.6	9
53	Synthesis and Formation of Phase-Tuned TiO2-/Ionic Liquid-Incorporated Polymeric Membranes for Ammonia Sensing at Room Temperature. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 15884-15893	8.3	9
52	Preparation and characterization of poly (methyl methacrylate) and sulfonated poly (ether ether ketone) blend ultrafiltration membranes for protein separation applications. *Materials Science and Engineering C*, **2009**, 29, 246-252	8.3	9
51	Performance enhancement of polysulfone ultrafiltration membrane by blending with polyurethane hydrophilic polymer. *Journal of Polymer Engineering*, **2011**, 31,	1.4	9
50	Dry Reforming of Propane over Al2O3 and Nickel Foam Supported Novel SrNiO3 Perovskite Catalyst. *Catalysts*, **2019**, 9, 68	4	9
49	Functionalized boron nitride embedded sulfonated poly (ether ether ketone) proton exchange membrane for direct methanol fuel cell applications. *Journal of Environmental Chemical Engineering* , **2021**, 9, 105876	6.8	9
48	Efficient rejection of organic compounds using functionalized ZSM-5 incorporated PPSU mixed matrix membrane. *RSC Advances*, **2017**, 7, 15536-15552	3.7	8
47	Removal of organic and inorganic substances from industry wastewaters using modified aluminosilicate-based polyethersulfone ultrafiltration membranes. *Environmental Progress and Sustainable Energy*, **2017**, 36, 1612-1620	2.5	8
46	Optimization of methylene blue using Ca(2+) and Zn(2+) bio-polymer hydrogel beads: A comparative study. *Ecotoxicology and Environmental Safety*, **2015**, 121, 164-73	7	8
45	Photocatalytic removal of organic pollutants and self-cleaning performance of PES membrane incorporated sulfonated graphene oxide/ZnO nanocomposite. *Journal of Chemical Technology and Biotechnology*, **2020**, 95, 3012-3023	3.5	8

44	Fast sensing ammonia at room temperature with proline ionic liquid incorporated cellulose acetate membranes. *Journal of Molecular Liquids*, **2020**, 305, 112820	6	8
43	Studies on Performance of Cellulose Acetate and Poly(Ethelene Glycol) Blend Ultrafiltration Membranes Using Mixture Design Concept of Design of Experiments. *International Journal of Polymeric Materials and Polymeric Biomaterials*, **2006**, 55, 1133-1154	3	8
42	Exhaust System Muffler Volume Optimization of Light Commercial Vehicle Using CFD Simulation. *Materials Today: Proceedings*, **2018**, 5, 8471-8479	1.4	8
41	Enhancement of anti-fouling properties during the treatment of paper mill effluent using functionalized zeolite and activated carbon nanomaterials based ultrafiltration. *Journal of Chemical Technology and Biotechnology*, **2019**, 94, 2805-2815	3.5	7
40	Modification of polyethersulfone using sericin and polyvinylpyrrolidone for cadmium ion removal by polyelectrolyte-enhanced ultrafiltration. *Desalination and Water Treatment*, **2015**, 56, 366-378		7
39	Preparation of nanoclay embedded polymeric membranes for the filtration of natural organic matter (NOM) in a circular crossflow filtration system. *Journal of Water Process Engineering*, **2020**, 37, 101408	6.7	7
38	Designing an Interlayer-Widened MoS2-Packed Nitrogen-Rich Carbon Nanotube Core–Shell Structure for Redox-Mediated Quasi-Solid-State Supercapacitors. *ACS Applied Energy Materials*, **2021**, 4, 2218-2230	6.1	7
37	Styrene-Based Copolymer for Polymer Membrane Modifications. *Applied Sciences (Switzerland)*, **2016**, 6, 159	2.6	6
36	Reduction of chemical oxygen demand and color from the rice mill wastewater by chitosan/2(5H)-furanone-incorporated ultrafiltration membrane system. *Separation Science and Technology*, **2019**, 54, 409-425	2.5	6
35	Proton exchange composite membranes comprising SiO2, sulfonated SiO2, and metal–organic frameworks loaded in SPEEK polymer for fuel cell applications. *Journal of Applied Polymer Science*, **2021**, 138, 50530	2.9	6
34	CFD Study on Pressure Drop and Uniformity Index of Three Cylinder LCV Exhaust System. *Procedia Engineering*, **2015**, 127, 1211-1218		5
33	Studies on Permeation, Rejection, and Transport of Aqueous Poly(ethylene Glycol) Solutions using Ultrafiltration Membranes. *Separation Science and Technology*, **2007**, 42, 963-978	2.5	5
32	Performance of composite PES/MOF-5 membranes for the treatment of textile wastewater156, 220-228		5
31	A high-flux metal-organic framework membrane (PSF/MIL-100 (Fe)) for the removal of microplastics adsorbing dye contaminants from textile wastewater. *Separation and Purification Technology*, **2021**, 277, 119655	8.3	5
30	Transport of copper, nickel and zinc ions across ultrafiltration membrane based on modified polysulfone and cellulose acetate. *Asia-Pacific Journal of Chemical Engineering*, **2012**, 7, 131-139	1.3	4
29	Investigation of the applicability of TiO2, BiVO4, and WO3 nanomaterials for advanced photocatalytic membranes used for oil-in-water emulsion separation. *Asia-Pacific Journal of Chemical Engineering*, **2020**, 15, e2549	1.3	4
28	Embedding low-cost 1D and 2D iron pillared nanoclay to enhance the stability of polyethersulfone membranes for the removal of bisphenol A from water. *Separation and Purification Technology*, **2021**, 266, 118560	8.3	4
27	Polyaniline decorated graphene oxide on sulfonated poly(ether ether ketone) membrane for direct methanol fuel cells application. *Polymers for Advanced Technologies*,	3.2	4

26	Sulfonated poly(ether ether ketone)-induced porous poly(ether sulfone) blend membranes for the separation of proteins and metal ions. *Journal of Applied Polymer Science*, **2009**, 116, n/a-n/a	2.9	3
25	Review on characteristics of biomaterial and nanomaterials based polymeric nanocomposite membranes for seawater treatment application. *Environmental Research*, **2021**, 197, 111177	7.9	3
24	Binary metal oxides incorporated polyethersulfone ultrafiltration mixed matrix membranes for the pretreatment of seawater desalination. *Journal of Applied Polymer Science*, **2021**, 138, 49883	2.9	3
23	Low-cost silica based ceramic supported thin film composite hollow fiber membrane from guinea corn husk ash for efficient removal of microplastic from aqueous solution. *Journal of Hazardous Materials*, **2022**, 424, 127298	12.8	3
22	Performance evaluation of whey flux in dead-end and cross-flow modes via convolutional neural networks. *Journal of Environmental Management*, **2022**, 301, 113872	7.9	3
21	Dynamic performance comparison of two configurations of middle vessel batch distillation column for the separation of ethanol/propanol/butanol mixture. *Asia-Pacific Journal of Chemical Engineering*, **2020**, 15, e2421	1.3	2
20	Nanocrystalline cellulose incorporated biopolymer tailored polyethersulfone mixed matrix membranes for efficient treatment of produced water.. *Chemosphere*, **2022**, 133561	8.4	2
19	Modeling and Performance Characteristics of Nanofiltration by DSPM and ARX Model. *Journal of Applied Membrane Science & Technology*, **2017**, 18,	0.1	2
18	Synthesis and characterization of conductive polymer coated graphitic carbon nitride embedded sulfonated poly (ether ether ketone) membranes for direct methanol fuel cell applications. *International Journal of Energy Research*, **2021**, 45, 16649-16666	4.5	2
17	Parametric analysis of lignocellulosic ultrafiltration in lab scale cross flow module using pore blocking and artificial neural network model. *Chemosphere*, **2022**, 286, 131822	8.4	2
16	Effect of Inorganic Particle on the Performance of Polyethersulfone-Cellulose Acetate Ultrafiltration Membranes11-28		2
15	Modeling and Simulation of a Cellulose-Acetate Blend Ultrafiltration Membrane using Bovine Serum Albumin Solution. *International Journal of Polymeric Materials and Polymeric Biomaterials*, **2010**, 59, 588-606	3	1
14	Advances in the integration of ionic liquids with the membrane technology for gas separation **2022**, 167-187		1
13	Evaluation of membrane tailored with biocompatible halloysite-polyaniline nanomaterial for efficient removal of carcinogenic disinfection by-products precursor from water. *Environmental Research*, **2022**, 204, 112408	7.9	1
12	Current status and future prospects of membrane separation processes for value recovery from wastewater. *Chemosphere*, **2021**, 291, 132690	8.4	1
11	Effective separation of salts and dye using egg shell membrane (ESP) incorporated polyethersulfone polymer material. *Emergent Materials*, **2020**, 1	3.5	1
10	Functionalized chitosan with super paramagnetic hybrid nanocarrier for targeted drug delivery of curcumin. *Iranian Polymer Journal (English Edition)*, **2018**, 27, 469-482	2.3	1
9	Recent advancements in modification of membrane materials over membrane separation for biomedical applications. *Environmental Research*, **2021**, 204, 112045	7.9	1

List of Publications

8	Statistical Analysis of Synthesis Parameters to Fabricate PVDF/PVP/TiO Membranes via Phase-Inversion with Enhanced Filtration Performance and Photocatalytic Properties.. *Polymers*, **2021**, 14,	4.5	1
7	Enhanced performance of Mindel membranes by incorporating conductive polymer and inorganic modifier for application in direct methanol fuel cells. *Asia-Pacific Journal of Chemical Engineering*, **2020**, 15, e2473	1.3	0
6	Nuclear Magnetic Resonance (NMR) Spectroscopy **2017**, 69-80		0
5	Influence of various shapes of alumina nanoparticle in integrated polysulfone membrane for separation of lignin from woody biomass and salt rejection.. *Environmental Research*, **2022**, 209, 112820	7.9	0
4	Interfacial design of polysulfone/Cu-BTC membrane using [Bmim][Tf2N] and [Dmim][Cl] RTILs for CO2 separation: Performance assessment for single and mixed gas separation. *Separation and Purification Technology*, **2022**, 295, 121315	8.3	0
3	Proton conducting membrane based on multifunctional interconnected copolymer containing 4,4?-diaminodiphenylmethane-aminoethyl piperazine with sulfonated polyethersulfone membrane for fuel cell application. *Journal of Applied Polymer Science*,51819	2.9	
2	Flow Analysis of Catalytic Converter CV BS III Applications for Optimising Pressure Drop. *Lecture Notes in Mechanical Engineering*, **2019**, 427-435	0.4	
1	The International Conference on Multifunctional and Hybrid Composite Materials for Energy, Environment and Medical applications (ICMHCEE 2019). *Asia-Pacific Journal of Chemical Engineering*, **2020**, 15, e2567	1.3	