

Z V P Murthy

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6607232/publications.pdf>

Version: 2024-02-01

144
papers

4,539
citations

94269

37
h-index

128067

60
g-index

145
all docs

145
docs citations

145
times ranked

4884
citing authors

#	ARTICLE	IF	CITATIONS
1	A comprehensive review on anti-fouling nanocomposite membranes for pressure driven membrane separation processes. <i>Desalination</i> , 2016, 379, 137-154.	4.0	501
2	Estimation of mass transfer coefficient using a combined nonlinear membrane transport and film theory model. <i>Desalination</i> , 1997, 109, 39-49.	4.0	145
3	A review on the recent advances in mixed matrix membranes for gas separation processes. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 145, 111062.	8.2	132
4	Synthesis of copper sulphide and copper nanoparticles with microemulsion method. <i>Solid State Sciences</i> , 2010, 12, 1560-1566.	1.5	124
5	Sorption of Hg(II) onto <i>Carica papaya</i> : Experimental studies and design of batch sorber. <i>Chemical Engineering Journal</i> , 2009, 147, 226-234.	6.6	122
6	Separation of binary heavy metals from aqueous solutions by nanofiltration and characterization of the membrane using Spiegler's Kedem model. <i>Chemical Engineering Journal</i> , 2009, 150, 181-187.	6.6	122
7	Evaluation of Fuller's earth for the adsorption of mercury from aqueous solutions: A comparative study with activated carbon. <i>Journal of Hazardous Materials</i> , 2007, 142, 165-174.	6.5	115
8	Kinetic and equilibrium models for biosorption of Cr(VI) on chemically modified seaweed, <i>Cystoseira indica</i> . <i>Process Biochemistry</i> , 2007, 42, 1521-1529.	1.8	115
9	Application of nanofiltration for the rejection of nickel ions from aqueous solutions and estimation of membrane transport parameters. <i>Journal of Hazardous Materials</i> , 2008, 160, 70-77.	6.5	115
10	Sorption of Hg(II) from Aqueous Solutions onto <i>Carica papaya</i> : Application of Isotherms. <i>Industrial & Engineering Chemistry Research</i> , 2008, 47, 980-986.	1.8	92
11	Removal of strontium by electrocoagulation using stainless steel and aluminum electrodes. <i>Desalination</i> , 2011, 282, 63-67.	4.0	79
12	Preparation of N,O-carboxymethyl chitosan/cellulose acetate blend nanofiltration membrane and testing its performance in treating industrial wastewater. <i>Chemical Engineering Journal</i> , 2010, 157, 393-400.	6.6	74
13	Treatment of textile dyes containing wastewaters with PES/PVA thin film composite nanofiltration membranes. <i>Separation and Purification Technology</i> , 2017, 183, 66-72.	3.9	72
14	Separation of Cd and Ni from multicomponent aqueous solutions by nanofiltration and characterization of membrane using IT model. <i>Journal of Hazardous Materials</i> , 2010, 180, 309-315.	6.5	63
15	Ultrasound assisted crystallization for the recovery of lactose in an anti-solvent acetone. <i>Crystal Research and Technology</i> , 2009, 44, 889-896.	0.6	62
16	Highly monodisperse and sub-nano silver particles synthesis via microemulsion technique. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010, 359, 31-38.	2.3	61
17	Acrylonitrile butadiene styrene/chitosan blend membranes: Preparation, characterization and performance for the separation of heavy metals. <i>Journal of Membrane Science</i> , 2009, 339, 239-249.	4.1	60
18	Trypsin mediated one-pot reaction for the synthesis of red fluorescent gold nanoclusters: Sensing of multiple analytes (carbidopa, dopamine, Cu ²⁺ , Co ²⁺ and Hg ²⁺ ions). <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 215, 209-217.	2.0	59

#	ARTICLE	IF	CITATIONS
19	Preparation, characterization and performance of nanofiltration membranes for the treatment of electroplating industry effluent. Separation and Purification Technology, 2009, 65, 282-289.	3.9	56
20	Treatment of landfill leachates by nanofiltration. Journal of Environmental Management, 2010, 91, 1209-1217.	3.8	56
21	Isotherm modeling and batch adsorber design for the adsorption of Cu(II) on a clay containing montmorillonite. Applied Clay Science, 2010, 50, 409-413.	2.6	56
22	Amylase protected gold nanoclusters as chemo- and bio- sensor for nanomolar detection of deltamethrin and glutathione. Sensors and Actuators B: Chemical, 2019, 281, 812-820.	4.0	55
23	Fluorescence turn-off detection of spermine in biofluids using pepsin mediated synthesis of gold nanoclusters as a probe. Journal of Molecular Liquids, 2019, 280, 18-24.	2.3	54
24	Biomolecules as promising ligands in the synthesis of metal nanoclusters: Sensing, bioimaging and catalytic applications. Trends in Environmental Analytical Chemistry, 2021, 32, e00140.	5.3	52
25	Sodium cyanide separation and parameter estimation for reverse osmosis thin film composite polyamide membrane. Journal of Membrane Science, 1999, 154, 89-103.	4.1	51
26	Preparation, characterization and application of GO-TiO ₂ /PVC mixed matrix membranes for improvement in performance. Journal of Industrial and Engineering Chemistry, 2017, 52, 138-146.	2.9	50
27	One-step eco-friendly approach for the fabrication of synergistically engineered fluorescent copper nanoclusters: sensing of Hg ²⁺ ion and cellular uptake and bioimaging properties. New Journal of Chemistry, 2018, 42, 1510-1520.	1.4	50
28	Treatment of Chlorophenols from Wastewaters by Advanced Oxidation Processes. Separation and Purification Reviews, 2013, 42, 263-295.	2.8	48
29	Removal of silver from aqueous solutions by complexation-ultrafiltration using anionic polyacrylamide. Chemical Engineering Journal, 2012, 185-186, 187-192.	6.6	47
30	Fast and scalable preparation of starch nanoparticles by stirred media milling. Advanced Powder Technology, 2016, 27, 1287-1294.	2.0	47
31	Synthesis of acetone reduced graphene oxide/Fe ₃ O ₄ composite through simple and efficient chemical reduction of exfoliated graphene oxide for removal of dye from aqueous solution. Journal of Materials Science, 2014, 49, 6772-6783.	1.7	46
32	Degradation of 4-Chlorophenol in Wastewater by Organic Oxidants. Industrial & Engineering Chemistry Research, 2010, 49, 3094-3098.	1.8	45
33	An overview of molecular biology and nanotechnology based analytical methods for the detection of SARS-CoV-2: promising biotools for the rapid diagnosis of COVID-19. Analyst, The, 2021, 146, 1489-1513.	1.7	42
34	Separation of Pollutants from Restaurant Wastewater by Electrocoagulation. Separation Science and Technology, 2007, 42, 819-833.	1.3	41
35	Tuning of gold nanoclusters sensing applications with bovine serum albumin and bromelain for detection of Hg ²⁺ ion and lambda-cyhalothrin via fluorescence turn-off and on mechanisms. Analytical and Bioanalytical Chemistry, 2018, 410, 2781-2791.	1.9	40
36	Rheology of Aloe barbadensis Miller: A naturally available material of high therapeutic and nutrient value for food applications. Journal of Food Engineering, 2013, 115, 279-284.	2.7	38

#	ARTICLE	IF	CITATIONS
37	Nanocomposite membranes. <i>Desalination and Water Treatment</i> , 2016, 57, 26803-26819.	1.0	38
38	Removal of Cu(II) and Zn(II) from industrial wastewater by acid-activated montmorillonite-illite type of clay. <i>Comptes Rendus Chimie</i> , 2010, 13, 1359-1363.	0.2	37
39	Synthesis, characterization, and application of ZIF-8/Ag ₃ PO ₄ , MoS ₂ /Ag ₃ PO ₄ , and h-BN/Ag ₃ PO ₄ based photocatalytic nanocomposite polyvinylidene fluoride mixed matrix membranes for effective removal of drimaren orange P2R. <i>Journal of Membrane Science</i> , 2022, 641, 119939.	4.1	37
40	Fluidized Bed Drying of Aonla (<i>Emblca officinalis</i>). <i>Drying Technology</i> , 2007, 25, 883-889.	1.7	36
41	Pepsin mediated synthesis of blue fluorescent copper nanoclusters for sensing of flutamide and chloramphenicol drugs. <i>Microchemical Journal</i> , 2021, 164, 105947.	2.3	35
42	Separation of cerium from feed solution by nanofiltration. <i>Desalination</i> , 2011, 279, 428-432.	4.0	34
43	Solubility and Crystal Size of Sirolimus in Different Organic Solvents. <i>Journal of Chemical & Engineering Data</i> , 2010, 55, 5050-5054.	1.0	33
44	Preparation and performance of N,O-carboxymethyl chitosan-polyether sulfone composite nanofiltration membrane in the separation of nickel ions from aqueous solutions. <i>Journal of Applied Polymer Science</i> , 2008, 110, 3596-3605.	1.3	32
45	Rejection behavior of nickel ions from synthetic wastewater containing Na ₂ SO ₄ , NiSO ₄ , MgCl ₂ and CaCl ₂ salts by nanofiltration and characterization of the membrane. <i>Desalination</i> , 2009, 247, 610-622.	4.0	32
46	Optimization of process parameters by Taguchi method in the recovery of lactose from whey using sonocrystallization. <i>Crystal Research and Technology</i> , 2010, 45, 747-752.	0.6	32
47	Preparation of fenofibrate nanoparticles by combined stirred media milling and ultrasonication method. <i>Ultrasonics Sonochemistry</i> , 2014, 21, 1100-1107.	3.8	32
48	Application of nanofiltration to treat rare earth element (neodymium) containing water. <i>Journal of Rare Earths</i> , 2011, 29, 974-978.	2.5	31
49	Lysozyme-Decorated Gold and Molybdenum Bimetallic Nanoclusters for the Selective Detection of Bilirubin as a Jaundice Biomarker. <i>ACS Applied Nano Materials</i> , 2021, 4, 11949-11959.	2.4	31
50	Preparation of Chitosan-Multiwalled Carbon Nanotubes Blended Membranes: Characterization And Performance in The Separation of Sodium and Magnesium Ions. <i>Nanoscale and Microscale Thermophysical Engineering</i> , 2013, 17, 245-262.	1.4	30
51	Preparation of Silver Nanofluids with High Electrical Conductivity. <i>Journal of Dispersion Science and Technology</i> , 2011, 32, 724-730.	1.3	29
52	Effect of process parameters on crystal size and morphology of lactose in ultrasound-assisted crystallization. <i>Crystal Research and Technology</i> , 2011, 46, 243-248.	0.6	29
53	Synthesis, characterization and application of PVA/ionic liquid mixed matrix membranes for pervaporation dehydration of isopropanol. <i>Chinese Journal of Chemical Engineering</i> , 2017, 25, 1402-1411.	1.7	29
54	Electrochemical preparation of microstructured porous silicon layers for drug delivery applications. <i>Superlattices and Microstructures</i> , 2013, 55, 144-150.	1.4	26

#	ARTICLE	IF	CITATIONS
55	Controlled delivery of acyclovir from porous silicon micro- and nanoparticles. <i>Applied Surface Science</i> , 2015, 330, 358-365.	3.1	26
56	Designing of glutathione-lactose derivative for the fabrication of gold nanoclusters with red fluorescence: Sensing of Al ³⁺ and Cu ²⁺ ions with two different mechanisms. <i>Optical Materials</i> , 2020, 100, 109704.	1.7	26
57	Applications of upconversion nanoparticles in analytical and biomedical sciences: a review. <i>Analyst</i> , 2022, 147, 3155-3179.	1.7	25
58	Lactose Recovery Processes from Whey: A Comparative Study Based on Sonocrystallization. <i>Separation and Purification Reviews</i> , 2012, 41, 251-266.	2.8	24
59	Polyethersulfone based MMMs with 2D materials and ionic liquid for CO ₂ , N ₂ and CH ₄ separation. <i>Journal of Environmental Management</i> , 2020, 262, 110256.	3.8	24
60	Study on the stability and microstructural properties of barium sulfate nanoparticles produced by nanomilling. <i>Advanced Powder Technology</i> , 2014, 25, 226-235.	2.0	23
61	Optimization of a Reverse Osmosis System Using Genetic Algorithm. <i>Separation Science and Technology</i> , 2006, 41, 647-663.	1.3	22
62	Removal of Mercury by Emulsion Liquid Membranes: Studies on Emulsion Stability and Scale Up. <i>Journal of Dispersion Science and Technology</i> , 2013, 34, 1733-1741.	1.3	22
63	Thin Film Composite Polyamide Membrane Parameters Estimation for Phenol-Water System by Reverse Osmosis. <i>Separation Science and Technology</i> , 1998, 33, 2541-2557.	1.3	21
64	Process Intensification: Extraction of Chromium(VI) by Emulsion Liquid Membrane. <i>Separation Science and Technology</i> , 2005, 40, 2353-2364.	1.3	21
65	Modification of PVDF membrane by two-dimensional inorganic additive for improving gas permeation. <i>Separation Science and Technology</i> , 2019, 54, 311-328.	1.3	21
66	Trypsin encapsulated gold-silver bimetallic nanoclusters for recognition of quinalphos via fluorescence quenching and of Zn ²⁺ and Cd ²⁺ ions via fluorescence enhancement. <i>Journal of Molecular Liquids</i> , 2021, 327, 114830.	2.3	21
67	Simple Graphical Method to Estimate Membrane Transport Parameters and Mass Transfer Coefficient in a Membrane Cell. <i>Separation Science and Technology</i> , 1996, 31, 77-94.	1.3	20
68	Different 2D materials based polyetherimide mixed matrix membranes for CO ₂ /N ₂ separation. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 81, 451-463.	2.9	20
69	Isotherm modeling for biosorption of Cu(II) and Ni(II) from wastewater onto brown seaweed, <i>Cystoseira indica</i> . <i>AIChE Journal</i> , 2008, 54, 3291-3302.	1.8	19
70	Post treatment of up-flow anaerobic sludge blanket based sewage treatment plant effluents: A review. <i>Desalination and Water Treatment</i> , 2010, 22, 220-237.	1.0	19
71	Optimization of process parameters for mercury extraction through pseudo-emulsion hollow fiber strip dispersion system. <i>Separation and Purification Technology</i> , 2013, 114, 43-52.	3.9	19
72	Chicken egg white mediated synthesis of platinum nanoclusters for the selective detection of carbidopa. <i>Optical Materials</i> , 2020, 107, 110085.	1.7	19

#	ARTICLE	IF	CITATIONS
73	Nano-particles enhanced hydrophobic membranes: High-performance study for dye wastewater treatment using membrane distillation. <i>Journal of Water Process Engineering</i> , 2022, 46, 102610.	2.6	19
74	Graphene oxide modified CuBTC incorporated PVDF membranes for saltwater desalination via pervaporation. <i>Separation and Purification Technology</i> , 2022, 290, 120888.	3.9	19
75	Comparative performance study of four nanofiltration membranes in the separation of mercury and chromium. <i>Ionics</i> , 2012, 18, 811-816.	1.2	18
76	Rate parameter estimation for 4-chlorophenol degradation by UV and organic oxidants. <i>Journal of Industrial and Engineering Chemistry</i> , 2012, 18, 249-254.	2.9	17
77	Preparation and characterization of ZIF-8 and ZIF-67 incorporated poly(vinylidene fluoride) membranes for pervaporative separation of methanol/water mixtures. <i>Materials Today Chemistry</i> , 2021, 22, 100591.	1.7	17
78	Study on surface chemistry and particle size of porous silicon prepared by electrochemical etching. <i>Materials Research Bulletin</i> , 2014, 57, 6-12.	2.7	16
79	Mixed Matrix PVA-GO-TiO ₂ Membranes for the Dehydration of Isopropyl Alcohol by Pervaporation. <i>Macromolecular Research</i> , 2020, 28, 587-595.	1.0	16
80	Response Surface Modelling and Optimization of Mercury Extraction through Emulsion Liquid Membrane. <i>Separation Science and Technology</i> , 2011, 46, 2332-2340.	1.3	15
81	Separation and estimation of nanofiltration membrane transport parameters for cerium and neodymium. <i>Rare Metals</i> , 2012, 31, 500-506.	3.6	15
82	Separation of isopropyl alcohol-toluene mixtures by pervaporation using poly(vinyl alcohol) membrane. <i>Arabian Journal of Chemistry</i> , 2017, 10, S56-S61.	2.3	15
83	Effects of operating parameters on the production of barium sulfate nanoparticles in stirred media mill. <i>Journal of Industrial and Engineering Chemistry</i> , 2012, 18, 1450-1457.	2.9	14
84	Application of β -Zeolite, Zeolite Y, and Mordenite as Adsorbents to Remove Mercury from Aqueous Solutions. <i>Journal of Dispersion Science and Technology</i> , 2013, 34, 747-755.	1.3	14
85	Enhancement of stirred media mill performance by a new mixed media grinding strategy. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 2111-2118.	2.9	14
86	Simulation and fabrication study of porous silicon photonic crystal. <i>Optik</i> , 2014, 125, 828-831.	1.4	14
87	Effects of inorganic additive of two-dimensional hexagonal boron nitride on the gas separation/permeation for PVDF-derived membranes. <i>Separation Science and Technology</i> , 2019, 54, 1489-1501.	1.3	14
88	Kinetic study of ultrasonic antisolvent crystallization of sirolimus. <i>Crystal Research and Technology</i> , 2010, 45, 321-327.	0.6	13
89	Formation of Ruthenium Nanoparticles by the Mixing of Two Reactive Microemulsions. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 11445-11451.	1.8	13
90	Separation of praseodymium(III) from aqueous solutions by nanofiltration. <i>Canadian Metallurgical Quarterly</i> , 2013, 52, 18-22.	0.4	13

#	ARTICLE	IF	CITATIONS
91	Kinetic studies on agrochemicals wastewater treatment by aerobic activated sludge process at high MLSS and high speed agitation. <i>Journal of Industrial and Engineering Chemistry</i> , 2012, 18, 1301-1307.	2.9	12
92	Development and in vitro evaluation of acyclovir delivery system using nanostructured porous silicon carriers. <i>Chemical Engineering Research and Design</i> , 2015, 104, 551-557.	2.7	12
93	Hemicelluloses separation from caustic-containing process stream by ultrafiltration. <i>Separation Science and Technology</i> , 2017, 52, 2252-2261.	1.3	12
94	Recovery of pure water and crystalline products from concentrated brine by using membrane distillation crystallization. <i>Separation Science and Technology</i> , 2019, 54, 396-408.	1.3	12
95	Synthesis and characterization of ZIF-8-based PVDF mixed matrix membranes and application to treat pulp and paper industry wastewater using a membrane bioreactor. <i>Environmental Science: Water Research and Technology</i> , 2022, 8, 881-896.	1.2	12
96	Preparation, Characterization, and Performance of Sulfated Chitosan/Polyacrylonitrile Composite Nanofiltration Membranes. <i>Journal of Dispersion Science and Technology</i> , 2013, 34, 389-399.	1.3	11
97	Fabrication and application of porous silicon multilayered microparticles in sustained drug delivery. <i>Superlattices and Microstructures</i> , 2015, 85, 34-42.	1.4	11
98	Effects of the geometric orientations of the nozzle exit on the breakup of free liquid jet. <i>Journal of Mechanical Science and Technology</i> , 2016, 30, 1625-1630.	0.7	11
99	Vanadium-Doped Magnesium Oxide Nanoparticles Formation in Presence of Ionic Liquids and Their Use in Photocatalytic Degradation of Methylene Blue. <i>Acta Metallurgica Sinica (English Letters)</i> , 2016, 29, 253-264.	1.5	11
100	TiO ₂ nanoparticles prepared by mechanical reduction technique for superior DMFC nanocomposite PVA membranes. <i>Separation Science and Technology</i> , 2019, 54, 233-246.	1.3	11
101	Textile wastewater treatment via membrane distillation. <i>Environmental Engineering Research</i> , 2022, 27, 210228-0.	1.5	11
102	TiO ₂ nanoparticles synthesis for application in proton exchange membranes. <i>Crystal Research and Technology</i> , 2013, 48, 969-976.	0.6	10
103	Study of cellulosic fibres morphological features and their modifications using hemicelluloses. <i>Cellulose</i> , 2017, 24, 3119-3130.	2.4	10
104	Entfernung von Pb(II) aus wässrigen Lösungen mit Kohlenstoffen gewonnen aus Salholz (Shorea) <i>Tj ETQq0 0 0 rgBT₁/Overlock 10 Tf 50</i>	1.3	9
105	Influence of pH on the Stability of Alumina and Silica Nanosuspension Produced by Wet Grinding. <i>Particulate Science and Technology</i> , 2015, 33, 240-245.	1.1	9
106	Kinetics, Isotherms, and Thermodynamics of Hg(II) Biosorption onto <i>Carica papaya</i> . <i>Bioremediation Journal</i> , 2011, 15, 26-34.	1.0	8
107	Optimization of process parameters by Taguchi robust design method for the development of nanocrystals of sirolimus using sonication based crystallization. <i>Crystal Research and Technology</i> , 2012, 47, 53-72.	0.6	8
108	Preparation of vanadium pentoxide nanoparticles by ionic liquid-assisted sonochemical method: Effect of ionic liquid stericity on particle characteristics. <i>Chemical Engineering and Processing: Process Intensification</i> , 2016, 102, 130-140.	1.8	7

#	ARTICLE	IF	CITATIONS
109	Synthesis and application of ZIF-67 on the performance of polysulfone blend membranes. <i>Materials Today Chemistry</i> , 2022, 23, 100685.	1.7	7
110	Membrane processing of an aqueous waste stream from a catalyst manufacturing plant. <i>Separation Science and Technology</i> , 2002, 37, 191-202.	1.3	6
111	Characterization and use of acid-activated montmorillonite-illite type of clay for lead(II) removal. <i>AIChE Journal</i> , 2010, 56, 2312-2322.	1.8	6
112	Post-treatment of biologically treated wastewater of agrochemical industry by sulfated chitosan composite nanofiltration membrane. <i>Water Science and Technology</i> , 2011, 64, 796-802.	1.2	6
113	Synthesis and characterization of semiconductor metal sulfide nanocrystals using microemulsion technique. <i>Crystal Research and Technology</i> , 2012, 47, 909-916.	0.6	6
114	Investigation of photo-assisted and crude peroxidase mediated transformations of chlorinated phenols (CPs) from spiked and industrial wastewaters: identification of reaction products. <i>Water Science and Technology</i> , 2015, 72, 746-753.	1.2	6
115	Electrocoagulative treatment of mercury containing aqueous solutions. <i>Water Science and Technology</i> , 2012, 65, 1468-1474.	1.2	5
116	Post-treatment of up-flow anaerobic sludge blanket reactor effluents in activated sludge process-based system for anionic surfactants. <i>Water and Environment Journal</i> , 2014, 28, 84-94.	1.0	5
117	Removal of Ag(I) and Cr(VI) by Complexation-Ultrafiltration and Characterization of the Membrane by CFSK Model. <i>Separation Science and Technology</i> , 2014, 49, 2620-2629.	1.3	5
118	Enhanced performance of DMFC prepared by 10Cu/CeO ₂ catalyst and nanocomposite SPVA membranes with layer-by-layer coating of polyacrylic acid and chitosan. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 13198-13208.	3.8	5
119	A sol-gel route to synthesize vanadium doped silica through ionic liquid control and methylene blue degradation. <i>Chemical Engineering Research and Design</i> , 2017, 124, 134-144.	2.7	5
120	<i>In Situ</i> synthesis of inorganic filler-filled polyethylene using polyethersulfone-supported TiCl ₄ catalyst system. <i>Journal of Applied Polymer Science</i> , 2011, 119, 2611-2619.	1.3	4
121	Transmission of p-anisic acid through nanofiltration and goat membranes. <i>Desalination</i> , 2013, 315, 46-60.	4.0	4
122	Chemically Modified Rice Husk Adsorbents, Characterization and Removal of Palladium(II) From Aqueous Solutions. <i>Journal of Dispersion Science and Technology</i> , 2013, 34, 369-380.	1.3	4
123	Alteration of Interfacial Stability of Oil-in-Water Emulsions Using Bio-Derived Additives. <i>Journal of Dispersion Science and Technology</i> , 2013, 34, 78-83.	1.3	4
124	Effect of hemicelluloses on pulp characteristics and use of ceramic membranes in the separation of hemicelluloses from highly alkaline industrial process stream. <i>Cellulose</i> , 2018, 25, 2577-2588.	2.4	4
125	Isotherm and Kinetics Modeling of Fluoride Removal from Industrial Effluent by Alumina. <i>Chemical Product and Process Modeling</i> , 2010, 5, .	0.5	3
126	Kinetic and Thermodynamic Studies of Ni(II) Adsorption onto Activated Carbon of <i>Abelmoschus manihot</i> from Aqueous Solutions. <i>Journal of Dispersion Science and Technology</i> , 2013, 34, 923-931.	1.3	3

#	ARTICLE	IF	CITATIONS
127	Effect of Ionic Liquid in Sn-ZSM-5 Zeolite Membrane in the Separation of Butyl Acetate-Water Mixtures by Pervaporation. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2013, 43, 657-661.	0.6	3
128	In Situ Synthesis and Characterization of 2,2-Methylenebis(6-tert-butyl-4-ethylphenol)-Incorporated Polymeric Membranes. <i>Advances in Polymer Technology</i> , 2014, 33, .	0.8	3
129	Investigating the effect of PEG200 and two-dimensional h-BN on PVDF membrane performance for membrane distillation-crystallization. <i>Materials Today Chemistry</i> , 2021, 22, 100545.	1.7	3
130	Nonlinear Regression: Levenberg-Marquardt Method. , 2014, , 1-3.		3
131	Evaluation and characterisation of TFC-PA Nanofiltration membrane for the rejection of cadmium from aqueous solutions. <i>International Journal of Environmental Engineering</i> , 2010, 2, 15.	0.1	2
132	Separation of Pt(IV) from Industrial Wastewater Using Rice Husk Adsorbent and Its Derivatives. <i>Journal of Dispersion Science and Technology</i> , 2014, 35, 940-959.	1.3	2
133	PSU/PET copolymer-based asymmetric polymeric membranes: influence of antioxidant. <i>Desalination and Water Treatment</i> , 2016, 57, 26820-26829.	1.0	2
134	Synthesis, characterization and application of antioxidants nanoparticles incorporated polymeric membranes. <i>Separation Science and Technology</i> , 2019, 54, 247-257.	1.3	2
135	Ionic liquid assisted vanadium pentoxide synthesis through sol-gel method: Catalyst support for broad molecular weight distribution polyethylene synthesis. <i>Arabian Journal of Chemistry</i> , 2019, 12, 4490-4501.	2.3	2
136	Biomimetic membranes: Advancements and applications - A minireview. <i>Bioresource Technology Reports</i> , 2022, 18, 101047.	1.5	2
137	Effects of interfacial interactions of solid microparticles on the emulsion containing ionic liquid. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 274-277.	2.9	1
138	Characterization of antioxidant incorporated polymeric blend membrane through in situ incorporation along with surface modification. , 0, 76, 148-154.		1
139	Sorption of Cr(VI) onto <i>Cystoseira indica</i> : Comparison of Regression Methods for Isotherms and Biomass Minimization. <i>Chemical Product and Process Modeling</i> , 2008, 3, .	0.5	0
140	Prediction of Nanofiltration Performance by Using Membrane Transport Models for the Separation of Nickel Salts from Aqueous Solutions. <i>Chemical Product and Process Modeling</i> , 2008, 3, .	0.5	0
141	Liquid Membranes: An Overview†. , 2015, , .		0
142	Cadmium Separation by NF. , 2016, , 286-288.		0
143	Domestic wastewater treatment by membrane bioreactor system and optimization using response surface methodology. <i>International Journal of Environmental Science and Technology</i> , 2023, 20, 177-196.	1.8	0
144	Microfluidic Antisolvent Crystallization of Lactose: Effect of Process Parameters. <i>Waste and Biomass Valorization</i> , 0, , 1.	1.8	0