

Ali Reza Khodabakhshi

List of Publications by Year in descending order

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27
papers

919
citations

471371

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27
times ranked

574
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation and surface modification of PVC/SBR heterogeneous cation exchange membrane with silver nanoparticles by plasma treatment. <i>Journal of Membrane Science</i> , 2010, 365, 438-446.	4.1	116
2	Preparation and characterization of PC/SBR heterogeneous cation exchange membrane filled with carbon nano-tubes. <i>Journal of Membrane Science</i> , 2010, 362, 550-559.	4.1	102
3	Preparation and characterization of ABS/HIPS heterogeneous cation exchange membranes with various blend ratios of polymer binder. <i>Journal of Membrane Science</i> , 2010, 351, 178-188.	4.1	78
4	Preparation and characterization of ABS/HIPS heterogeneous anion exchange membrane filled with activated carbon. <i>Journal of Applied Polymer Science</i> , 2010, 118, 3371-3383.	1.3	64
5	Fabrication of mixed matrix heterogeneous cation exchange membrane modified by titanium dioxide nanoparticles: Mono/bivalent ionic transport property in desalination. <i>Desalination</i> , 2015, 359, 167-175.	4.0	61
6	Activated carbon nanoparticles entrapped mixed matrix polyethersulfone based nanofiltration membrane for sulfate and copper removal from water. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 82, 169-178.	2.7	61
7	Fabrication of mixed matrix heterogeneous ion exchange membrane by multiwalled carbon nanotubes: Electrochemical characterization and transport properties of mono and bivalent cations. <i>Desalination</i> , 2013, 329, 62-67.	4.0	54
8	Preparation and characterization of PVC based heterogeneous ion exchange membrane coated with Ag nanoparticles by (thermal-plasma) treatment assisted surface modification. <i>Journal of Industrial and Engineering Chemistry</i> , 2013, 19, 854-862.	2.9	48
9	Heterogeneous Cation Exchange Membrane: Preparation, Characterization and Comparison of Transport Properties of Mono and Bivalent Cations. <i>Separation Science and Technology</i> , 2010, 45, 2308-2321.	1.3	41
10	Preparation and characterization of monovalent ion-selective poly(vinyl Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 Td (chloride)â€‹i> Polymer International, 2011, 60, 466-474.	1.6	37
11	Preparation, optimization and characterization of novel ion exchange membranes by blending of chemically modified PVDF and SPPO. <i>Separation and Purification Technology</i> , 2012, 90, 10-21.	3.9	34
12	Preparation and Characterization of Heterogeneous Cation Exchange Membranes Based on S-Poly Vinyl Chloride and Polycarbonate. <i>Separation Science and Technology</i> , 2011, 46, 794-808.	1.3	32
13	The Electrochemical Characterization of Ion Exchange Membranes in Different Electrolytic Environments: Investigation of Concentration and pH Effects. <i>Separation Science and Technology</i> , 2012, 47, 455-462.	1.3	32
14	Surface modification of heterogeneous cation exchange membranes by simultaneous using polymerization of (acrylic acid-co-methyl methacrylate): Membrane characterization in desalination process. <i>Desalination</i> , 2014, 345, 13-20.	4.0	28
15	Investigation of electrochemical and morphological properties of S-PVC based heterogeneous cation-exchange membranes modified by sodium dodecyl sulphate. <i>Separation and Purification Technology</i> , 2011, 77, 220-229.	3.9	26
16	Preparation and characterization of poly (vinyl chloride)-blend-poly (carbonate) heterogeneous cation exchange membrane: Investigation of solvent type and ratio effects. <i>Desalination</i> , 2012, 285, 253-262.	4.0	25
17	Comparative Studies on Morphological, Electrochemical, and Mechanical Properties of Poly(vinyl Chloride) Based Heterogeneous Cation-Exchange Membranes with Different Resin Ratio Loading. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 8477-8487.	1.8	17
18	Preparation, Characterization and Transport Properties of Novel Cation-Exchange Nanocomposite Membrane Containing BaFe12O19 Nanoparticles. <i>Journal of Cluster Science</i> , 2016, 27, 193-211.	1.7	17

#	ARTICLE	IF	CITATIONS
19	Effect of polymers blend ratio binder on electrochemical and morphological properties of PC/Sâ€PVCâ€based heterogeneous cationâ€exchange membranes. Journal of Applied Polymer Science, 2011, 120,1.3 644-656.		11
20	A Novel Sulfonated Poly Phenylene Oxide-Poly Vinylchloride/ZnO Cation-Exchange Membrane Applicable in Refining of Saline Liquids. Journal of Cluster Science, 2017, 28, 1489-1507.	1.7	10
21	Novel ion-exchange nanocomposite membrane containing in-situ formed FeOOH nanoparticles: Synthesis, characterization and transport properties. Korean Journal of Chemical Engineering, 2016, 33, 1380-1390.	1.2	9
22	Fabrication and characterization of cation exchange nanocomposite membranes comprising ABS/PC polymer blend with NiFe ₂ O ₄ nanoparticles. Journal of Environmental Chemical Engineering, 2018, 6, 5434-5442.	3.3	5
23	Influence of preparation procedure and ferric oxide nanoparticles addition on transport properties of homogeneous cation-exchange SPPO/SPVC membrane. Bulletin of Materials Science, 2017, 40, 631-644.	0.8	4
24	Dehydration of alcohols using osmotic concentrationâ€Dehydration of aqueous glycerol solution. Journal of Food Engineering, 2008, 86, 49-54.	2.7	2
25	Cation exchange characterizations of phosphotungstic acid-doped polyvinyl alcohol/polyethersulfone blend membranes by sodium chloride solution. Journal of Polymer Engineering, 2013, 33, 71-76.	0.6	2
26	Adapting the release characteristics of aluminum phosphide from membrane-coated rice tablets by using activated carbon nanoparticles. Journal of Industrial and Engineering Chemistry, 2018, 58, 202-207.	2.9	2
27	Ionic transport properties improvement of a new cation-exchange membrane containing functionalized CNT as a clean technology for refining of saline-liquids. Environmental Technology (United Kingdom), 2021, 42, 1236-1251.	1.2	1