

# Mehdi Mahmoudian

## List of Publications by Year in descending order

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Version: 2024-02-01

31  
papers

529  
citations

686830

13  
h-index

676716

22  
g-index

31  
all docs

31  
docs citations

31  
times ranked

643  
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel and facile semi-IPN system in fabrication of solvent resistant nano-filtration membranes for effective separation of dye contamination in water and organic solvents. Separation and Purification Technology, 2022, 282, 120121.	3.9	22
2	Zwitterionic copolymer containing diallyldimethylammonium chloride and acrylic acid on carboxylated-MWCNTs. Materials Today Communications, 2022, 30, 103145.	0.9	4
3	Utilization of a mixed matrix membrane modified by novel dendritic fibrous nanosilica (KCC-1-NH-CS <sub>2</sub> ) toward water purification. RSC Advances, 2022, 12, 17514-17526.	1.7	7
4	Clay mineral/polymer composite: characteristics, synthesis, and application in Li-ion batteries: A review. Applied Clay Science, 2022, 228, 106632.	2.6	11
5	The performance of an efficient polymer and Cloisite 30B derivatives in the adsorption desulfurization process. Polymer Bulletin, 2021, 78, 795-812.	1.7	11
6	Poly(diallyldimethylammonium chloride)-grafted carboxylated-MWCNT as an additive in the polyethersulfone membrane. Polymer Bulletin, 2021, 78, 4313-4332.	1.7	7
7	Elimination of dibenzothiophene from n-hexane by nano-composite membrane containing Cu-MOF in a pervaporation process. Journal of the Iranian Chemical Society, 2021, 18, 1015-1026.	1.2	5
8	The performance of polyethersulfone nanocomposite membrane in the removal of industrial dyes. Polymer, 2021, 224, 123693.	1.8	19
9	Desulfurization of a Model Fuel using Pervaporation Membranes Containing Zn-MOFs. Journal of Polymer Research, 2021, 28, 1.	1.2	4
10	Polyphenylsulfone membrane modified by novel dendritic fibrous nanosilica (KCC-1-nPr-NH-AcCys) toward water treatment. Journal of Environmental Chemical Engineering, 2021, 9, 105329.	3.3	9
11	Fabrication of chitosan-based electrospun nanofiber scaffold: Amplification of biomechanical properties, structural stability, and seeded cell viability. Veterinary Research Forum, 2021, 12, 25-32.	0.3	2
12	Optimization of mechanical properties of in situ polymerized poly(methyl methacrylate)/alumina nanoparticles nanocomposites using Taguchi approach. Polymer Bulletin, 2020, 77, 2837-2854.	1.7	19
13	Evaluation of synergistic effects of the single walled carbon nanotube and CeO <sub>2</sub> -hybrid based-nanocomposite against X-ray radiation in diagnostic radiology. Radiation Physics and Chemistry, 2020, 168, 108562.	1.4	12
14	Preparation and investigation of poly(methylmethacrylate) nano-capsules containing haloxyfop-R-methyl and their release behavior. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2020, 55, 301-309.	0.7	8
15	A comparative study between MMT-Fe <sub>3</sub> O <sub>4</sub> /PES, MMT-HBE/PES, and MMT-acid activated/PES mixed matrix membranes. Chemical Engineering Journal, 2020, 396, 125188.	6.6	43
16	Effect of in-situ modification of $\gamma$ -alumina nanoparticles on mechanical properties of poly(methyl methacrylate)-based nanocomposites for biomedical applications. Materials Research Express, 2019, 6, 105410.	0.8	8
17	Active intelligent packaging film based on ethylene vinyl acetate nanocomposite containing extracted anthocyanin, rosemary extract and ZnO/Fe-MMT nanoparticles. Food Packaging and Shelf Life, 2019, 22, 100389.	3.3	67
18	Graphene oxide grafted poly(acrylic acid) synthesized via surface initiated RAFT as a pH-responsive additive for mixed matrix membrane. Journal of Applied Polymer Science, 2019, 136, 47213.	1.3	17

#	ARTICLE	IF	CITATIONS
19	Preparation and investigation of hybrid self-healing coatings containing linseed oil loaded nanocapsules, potassium ethyl xanthate and benzotriazole on copper surface. <i>Progress in Organic Coatings</i> , 2018, 120, 167-178.	1.9	29
20	Modification of graphene oxide by ATRP: A pH-responsive additive in membrane for separation of salts, dyes and heavy metals. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 3122-3134.	3.3	28
21	A facile method for dye and heavy metal elimination by pH sensitive acid activated montmorillonite/polyethersulfone nanocomposite membrane. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2018, 36, 49-57.	2.0	31
22	Investigation of structure-performance properties of a special type of polysulfone blended membranes. <i>Polymers for Advanced Technologies</i> , 2018, 29, 2690-2700.	1.6	13
23	Pathogenicity of Three Different Entomopathogenic Fungi, <i>Metarhizium anisopliae</i> IRAN 2252, <i>Nomuraea rileyi</i> IRAN 1020C and <i>Paecilomyces tenuipes</i> IRAN 1026C Against the Potato Tuber Moth, <i>Phthorimaea operculella</i> Zeller (Lepidoptera: Gelechiidae). <i>Potato Research</i> , 2018, 61, 297-308.	1.2	17
24	Nanocapsulation of herbicide Haloxypop-R-methyl in poly(methyl methacrylate): phytotoxicological effects of pure herbicide and its nanocapsulated form on duckweed as a model macrophyte. <i>Turkish Journal of Chemistry</i> , 2018, 42, 132-145.	0.5	1
25	Toxicological Effects of a Post Emergent Herbicide on <i>Spirodela polyrhiza</i> as a Model Macrophyte: A Comparison of the Effects of Pure and Nano-capsulated Form of the Herbicide. <i>Iranian Journal of Toxicology</i> , 2018, 12, 45-54.	0.1	3
26	Characterization of EDTA Functionalized Graphene Oxide/Polyethersulfone (FGO/PES) Nanocomposite Membrane and Using for Elimination of Heavy Metal and Dye Contaminations. <i>Porrime</i> , 2018, 42, 434-445.	0.0	4
27	Clay-hyperbranched epoxy/polyphenylsulfone nanocomposite membranes. <i>Iranian Polymer Journal (English Edition)</i> , 2017, 26, 711-720.	1.3	20
28	Grafting of diallyldimethylammonium chloride on graphene oxide by RAFT polymerization for modification of nanocomposite polysulfone membranes using in water treatment. <i>Chemical Engineering Journal</i> , 2017, 309, 206-221.	6.6	93
29	HBPE-g-PVDF/PVDF blend nanofiltration membrane: preparation and characterization. <i>Journal of the Iranian Chemical Society</i> , 2016, 13, 1733-1740.	1.2	8
30	Preparation of an efficient nanofiltration membrane based on blending of polysulfone and polysulfone-g-butylacrylate prepared by ATRP. <i>Journal of the Iranian Chemical Society</i> , 2014, 11, 1275-1285.	1.2	3
31	Nanofiltration membranes based on blend of polysulfone-g-poly(tert-butylacrylate) copolymer and polysulfone. <i>Polymer Science - Series B</i> , 2014, 56, 494-503.	0.3	4