

Seyed Jamaledin Peighambardoust

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59
papers

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26
h-index

55
g-index

60
ext. papers

4,136
ext. citations

5.5
avg, IF

6.24
L-index

#	Paper	IF	Citations
59	Review of the proton exchange membranes for fuel cell applications. <i>International Journal of Hydrogen Energy</i> , 2010 , 35, 9349-9384	6.7	1375
58	Review on recent progress in chitosan-based hydrogels for wastewater treatment application. <i>Carbohydrate Polymers</i> , 2018 , 201, 264-279	10.3	216
57	Investigation of physical properties and cell performance of Nafion/TiO ₂ nanocomposite membranes for high temperature PEM fuel cells. <i>International Journal of Hydrogen Energy</i> , 2010 , 35, 9252-9260	6.7	131
56	A review on acrylic based hydrogels and their applications in wastewater treatment. <i>Journal of Environmental Management</i> , 2018 , 217, 123-143	7.9	99
55	Antibacterial properties of LDPE nanocomposite films in packaging of UF cheese. <i>LWT - Food Science and Technology</i> , 2016 , 65, 106-111	5.4	74
54	Properties of active starch-based films incorporating a combination of Ag, ZnO and CuO nanoparticles for potential use in food packaging applications. <i>Food Packaging and Shelf Life</i> , 2019 , 22, 100420	8.2	70
53	Influence of chitosan and magnetic iron nanoparticles on chromium adsorption behavior of natural clay: Adaptive neuro-fuzzy inference modeling. <i>International Journal of Biological Macromolecules</i> , 2020 , 151, 355-365	7.9	54
52	Removal of malachite green using carboxymethyl cellulose-g-polyacrylamide/montmorillonite nanocomposite hydrogel. <i>International Journal of Biological Macromolecules</i> , 2020 , 159, 1122-1131	7.9	53
51	Development of Antibacterial Carboxymethyl Cellulose-Based Nanobiocomposite Films Containing Various Metallic Nanoparticles for Food Packaging Applications. <i>Journal of Food Science</i> , 2019 , 84, 2537-2548	7.4	47
50	Preparation, characterization and cell performance of durable nafion/SiO ₂ hybrid membrane for high-temperature polymeric fuel cells. <i>Journal of Power Sources</i> , 2012 , 210, 350-357	8.9	44
49	Crystal violet dye sorption over acrylamide/graphene oxide bonded sodium alginate nanocomposite hydrogel. <i>Chemosphere</i> , 2021 , 270, 129419	8.4	44
48	Hydroxyapatite biomaterial production from chicken (femur and beak) and fishbone waste through a chemical less method for Cd removal from shipbuilding wastewater. <i>Journal of Hazardous Materials</i> , 2021 , 413, 125428	12.8	40
47	Uptake of anionic and cationic dyes from water using natural clay and clay/starch/MnFe ₂ O ₄ magnetic nanocomposite. <i>Surfaces and Interfaces</i> , 2020 , 21, 100754	4.1	38
46	Improved mechanical and antibacterial properties of active LDPE films prepared with combination of Ag, ZnO and CuO nanoparticles. <i>Food Packaging and Shelf Life</i> , 2019 , 22, 100391	8.2	35
45	Nanocomposite films containing organoclay nanoparticles as an antimicrobial (active) packaging for potential food application. <i>Journal of Food Processing and Preservation</i> , 2018 , 42, e13488	2.1	35
44	Physical, mechanical, and antibacterial characteristics of bio-nanocomposite films loaded with Ag-modified SiO ₂ and TiO ₂ nanoparticles. <i>Journal of Food Science</i> , 2020 , 85, 1193-1202	3.4	34
43	Synthesis and Characterization of Conductive Polypyrrole/Montmorillonite Nanocomposites via One-pot Emulsion Polymerization. <i>Macromolecular Symposia</i> , 2007 , 247, 99-109	0.8	34

42	Development of novel active polypropylene based packaging films containing different concentrations of sorbic acid. <i>Food Packaging and Shelf Life</i> , 2018 , 18, 87-94	8.2	34
41	Self-humidifying nanocomposite membranes based on sulfonated poly(ether ether ketone) and heteropolyacid supported Pt catalyst for fuel cells. <i>International Journal of Hydrogen Energy</i> , 2011 , 36, 10940-10957	6.7	33
40	Adsorption of Crystal Violet Dye Using Activated Carbon of Lemon Wood and Activated Carbon/FeO Magnetic Nanocomposite from Aqueous Solutions: A Kinetic, Equilibrium and Thermodynamic Study. <i>Molecules</i> , 2021 , 26,	4.8	33
39	Evaluation of two cationic dyes removal from aqueous environments using CNT/MgO/CuFe ₂ O ₄ magnetic composite powder: A comparative study. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 104752	6.8	33
38	Adsorption mercury, cobalt, and nickel with a reclaimable and magnetic composite of hydroxyapatite/Fe ₃ O ₄ /polydopamine. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 105709	6.8	33
37	Application of nano-silica particles generated from offshore white sandstone for cadmium ions elimination from aqueous media. <i>Environmental Technology and Innovation</i> , 2020 , 19, 101031	7	32
36	Application of Organoclay Nanoparticle in Low-Density Polyethylene Films for Packaging of UF Cheese. <i>Packaging Technology and Science</i> , 2016 , 29, 355-363	2.3	32
35	Effect of Pt-Cs _{2.5} H _{0.5} PW ₁₂ O ₄₀ catalyst addition on durability of self-humidifying nanocomposite membranes based on sulfonated poly (ether ether ketone) for proton exchange membrane fuel cell applications. <i>International Journal of Hydrogen Energy</i> , 2015 , 40, 549-560	6.7	29
34	Preparation of clinoptilolite/starch/CoFeO magnetic nanocomposite powder and its elimination properties for cationic dyes from water and wastewater. <i>International Journal of Biological Macromolecules</i> , 2021 , 189, 432-442	7.9	28
33	High performance of covalently grafted poly(o-methoxyaniline) nanocomposite in the presence of amine-functionalized graphene oxide sheets (POMA/F-GO) for supercapacitor applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 5776-5787	2.1	26
32	Decoration of Citrus limon wood carbon with FeO to enhanced Cd removal: A reclaimable and magnetic nanocomposite. <i>Chemosphere</i> , 2021 , 282, 131088	8.4	23
31	Development and characterization of PLA-mPEG copolymer containing iron nanoparticle-coated carbon nanotubes for controlled delivery of Docetaxel. <i>Polymer</i> , 2017 , 117, 117-131	3.9	21
30	Zn removal from the aqueous environment using a polydopamine/hydroxyapatite/FeO magnetic composite under ultrasonic waves.. <i>RSC Advances</i> , 2021 , 11, 27309-27321	3.7	21
29	Preparation and characterization of nylon-6/PPy/MMT composite of nanocomposite. <i>Journal of Applied Polymer Science</i> , 2007 , 106, 697-705	2.9	20
28	Modification of bio-hydroxyapatite generated from waste poultry bone with MgO for purifying methyl violet-laden liquids. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 44218-44229	5.1	19
27	Carbon nanotubes/β-cyclodextrin/MnFe ₂ O ₄ as a magnetic nanocomposite powder for tetracycline antibiotic decontamination from different aqueous environments. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 106344	6.8	19
26	Preparation and Characterization of Corn Starch/Clay Nanocomposite Films: Effect of Clay Content and Surface Modification. <i>Starch/Staerke</i> , 2018 , 70, 1700251	2.3	16
25	Migration analysis, antioxidant, and mechanical characterization of polypropylene-based active food packaging films loaded with BHA, BHT, and TBHQ. <i>Journal of Food Science</i> , 2020 , 85, 2317-2328	3.4	15

24	Electrically conductive nanocomposite adhesives based on epoxy resin filled with silver coated nanocarbon black. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 11840-11851	2.1	15
23	Electrically conductive epoxy-based nanocomposite adhesives loaded with silver-coated copper and silver-coated reduced graphene oxide nanoparticles. <i>Polymers for Advanced Technologies</i> , 2019 , 30, 1996-2004	3.2	14
22	Characterization of carboxymethyl cellulose-based active films incorporating non-modified and Ag or Cu-modified Cloisite 30B and montmorillonite nanoclays. <i>Iranian Polymer Journal (English Edition)</i> , 2020 , 29, 1087-1097	2.3	12
21	One-pot transesterification of non-edible Moringa oleifera oil over a MgO/K ₂ CO ₃ /HAp catalyst derived from poultry skeletal waste. <i>Environmental Technology and Innovation</i> , 2021 , 21, 101250	7	12
20	Properties and Application of Multifunctional Composite Polypropylene-Based Films Incorporating a Combination of BHT, BHA and Sorbic Acid in Extending Donut Shelf-Life. <i>Molecules</i> , 2020 , 25,	4.8	10
19	Swelling and auramine-O adsorption of carboxymethyl cellulose grafted poly(methyl methacrylate)/Cloisite 30B nanocomposite hydrogels. <i>Iranian Polymer Journal (English Edition)</i> , 2018 , 27, 807-818	2.3	9
18	Application of walnut shell ash/ZnO/K ₂ CO ₃ as a new composite catalyst for biodiesel generation from Moringa oleifera oil. <i>Fuel</i> , 2021 , 311, 122624	7.1	8
17	Cadmium ion removal from aqueous media using banana peel biochar/FeO/ZIF-67.. <i>Environmental Research</i> , 2022 , 113020	7.9	8
16	Polystyrene-based composites and nanocomposites with reduced brominated-flame retardant. <i>Iranian Polymer Journal (English Edition)</i> , 2016 , 25, 607-614	2.3	7
15	Enhancement of Biodiesel Production from Chicken Fat Using MgO and MgO@Na ₂ O Nanocatalysts. <i>Chemical Engineering and Technology</i> , 2021 , 44, 77-84	2	7
14	Optimization of the Amount of ZnO, CuO, and Ag Nanoparticles on Antibacterial Properties of Low-Density Polyethylene (LDPE) Films Using the Response Surface Method. <i>Food Analytical Methods</i> , 2021 , 14, 98-107	3.4	7
13	Development of new magnetic adsorbent of walnut shell ash/starch/FeO for effective copper ions removal: Treatment of groundwater samples.. <i>Chemosphere</i> , 2022 , 296, 133978	8.4	7
12	Application of waste chalk/CoFeO/KCO composite as a reclaimable catalyst for biodiesel generation from sunflower oil.. <i>Chemosphere</i> , 2021 , 289, 133226	8.4	5
11	Active Polypropylene-Based Films Incorporating Combined Antioxidants and Antimicrobials: Preparation and Characterization. <i>Foods</i> , 2021 , 10,	4.9	5
10	Montmorillonite clay/starch/CoFe ₂ O ₄ nanocomposite as a superior functional material for uptake of cationic dye molecules from water and wastewater. <i>Materials Chemistry and Physics</i> , 2022 , 284, 126088	4.4	5
9	Nickel ions abatement from aqueous solutions and shipbuilding industry wastewater using ZIF-8-chicken beak hydroxyapatite. <i>Journal of Molecular Liquids</i> , 2022 , 356, 119003	6	4
8	Adsorption ability evaluation of the poly(methacrylic acid-co-acrylamide)/cloisite 30B nanocomposite hydrogel as a new adsorbent for cationic dye removal.. <i>Environmental Research</i> , 2022 , 212, 113349	7.9	3
7	Decontamination of Cd ²⁺ and Pb ²⁺ from aqueous solution using a magnetic nanocomposite of eggshell/starch/Fe ₃ O ₄ . <i>Journal of Water Process Engineering</i> , 2022 , 48, 102911	6.7	2

6	Inhibition of Coliform Bacteria in Ultra-Filtrated Cheese Packed in Nanocomposite Films Containing Cloisite30B- Metal Nanoparticles. <i>Nutrition and Food Sciences Research</i> , 2018 , 5, 23-30	0.8	1
5	Effect of microbial lipase and transglutaminase on the textural, physicochemical, and microbial parameters of fresh quark cheese. <i>Journal of Dairy Science</i> , 2021 , 104, 7489-7499	4	1
4	Safranin-O cationic dye removal from wastewater using carboxymethyl cellulose-grafted-poly(acrylic acid-co-itaconic acid) nanocomposite hydrogel.. <i>Environmental Research</i> , 2022 , 113201	7.9	1
3	Surface magnetization of hydrolyzed Luffa Cylindrica biowaste with cobalt ferrite nanoparticles for facile Ni removal from wastewater.. <i>Environmental Research</i> , 2022 , 113242	7.9	1
2	Adsorption of methyl violet dye from wastewater using poly(methacrylic acid-co-acrylamide)/bentonite nanocomposite hydrogels. <i>Journal of Polymer Research</i> , 2022 , 29, 1	2.7	0
1	Generation of biodiesel from edible waste oil using ZIF-67-KOH modified Luffa cylindrica biomass catalyst. <i>Fuel</i> , 2022 , 322, 124181	7.1	0