

Ahmad Akbari

List of Publications by Year in descending order

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44
papers

2,047
citations

331670

21
h-index

243625

44
g-index

44
all docs

44
docs citations

44
times ranked

2600
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic nanocarriers: Evolution of spinel ferrites for medical applications. <i>Advances in Colloid and Interface Science</i> , 2019, 265, 29-44.	14.7	397
2	Caffeine: A novel green precursor for synthesis of magnetic CoFe ₂ O ₄ nanoparticles and pH-sensitive magnetic alginate beads for drug delivery. <i>Materials Science and Engineering C</i> , 2017, 76, 1085-1093.	7.3	174
3	Dye removal from colored textile wastewater using acrylic grafted nanomembrane. <i>Desalination</i> , 2011, 267, 107-113.	8.2	161
4	Removal of malachite green (a toxic dye) from water by cobalt ferrite silica magnetic nanocomposite: Herbal and green sol-gel autocombustion synthesis. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 24846-24860.	7.1	142
5	Preparation of polysulfone nanofiltration membranes by UV-assisted grafting polymerization for water softening. <i>Desalination</i> , 2010, 263, 217-225.	8.2	134
6	Magnetic nickel ferrite nanoparticles: Green synthesis by <i>Urtica</i> and therapeutic effect of frequency magnetic field on creating cytotoxic response in neural cell lines. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 172, 244-253.	5.0	87
7	Novel sulfonated polyamide thin-film composite nanofiltration membranes with improved water flux and anti-fouling properties. <i>Desalination</i> , 2016, 377, 11-22.	8.2	76
8	Synthesis and in vitro evaluation of a novel magnetic drug delivery system; proecological method for the preparation of CoFe ₂ O ₄ nanostructures. <i>Journal of Molecular Liquids</i> , 2018, 249, 1151-1160.	4.9	68
9	A magnetic CoFe ₂ O ₄ /SiO ₂ nanocomposite fabricated by the sol-gel method for electrocatalytic oxidation and determination of L-cysteine. <i>Mikrochimica Acta</i> , 2017, 184, 825-833.	5.0	66
10	Amplified electrochemical sensor employing CuO/SWCNTs and 1-butyl-3-methylimidazolium hexafluorophosphate for selective analysis of sulfoxazole in the presence of folic acid. <i>Journal of Colloid and Interface Science</i> , 2017, 495, 61-67.	9.4	63
11	Chitosan-modified acrylic nanofiltration membrane for efficient removal of pharmaceutical compounds. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 583-587.	6.7	57
12	A comparison between blending and surface deposition methods for the preparation of iron oxide/polysulfone nanocomposite membranes. <i>Desalination</i> , 2014, 354, 125-142.	8.2	52
13	The magnetic inorganic-organic nanocomposite based on ZnFe ₂ O ₄ -Imatinib-liposome for biomedical applications, in vivo and in vitro study. <i>Journal of Alloys and Compounds</i> , 2020, 849, 156604.	5.5	48
14	Amoxicillin separation from pharmaceutical wastewater by high permeability polysulfone nanofiltration membrane. <i>Journal of Environmental Health Science & Engineering</i> , 2013, 11, 9.	3.0	45
15	Influence of chitosan coating on the separation performance, morphology and anti-fouling properties of the polyamide nanofiltration membranes. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 28, 268-276.	5.8	45
16	Natural Dyeing of Wool by Madder (<i>Rubia tinctorum</i> L.) Root Extract Using Tannin-based Biomordants: Colorimetric, Fastness and Tensile Assay. <i>Fibers and Polymers</i> , 2018, 19, 2139-2148.	2.1	37
17	PDADMAC/PAA semi-IPN hydrogel-coated PVDF membrane for robust anti-wetting in membrane distillation. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 74, 14-25.	5.8	36
18	Preparation of nanoparticle-modified polymeric adsorbent using wastage fuzzes of mechanized carpet and its application in dye removal from aqueous solution. <i>Journal of Cleaner Production</i> , 2018, 178, 373-383.	9.3	27

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19	Electrospun titanium dioxide nanofibers: Fabrication, properties and its application in photo-oxidative degradation of methyl orange (MO). <i>Fibers and Polymers</i> , 2011, 12, 880-885.	2.1	26
20	Analysis of Levodopa in the Presence of Vitamin B ₆ Using Carbon Paste Electrode Modified with 1-Butyl-3-(3-methylimidazolium Hexafluorophosphate) and CuO Nanoparticles. <i>Electroanalysis</i> , 2017, 29, 1854-1859.	2.9	23
21	Sol-gel auto-combustion synthesis and characterization of a novel anticorrosive cobalt ferrite nanoparticles dispersed in silica matrix. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 10495-10508.	2.2	22
22	Enhanced dye sensitized solar cells efficiency by utilization of an external layer of CaCe ₂ (MoO ₄) ₄ :Er ³⁺ /Yb ³⁺ nanoparticles. <i>Journal of Alloys and Compounds</i> , 2018, 769, 732-739.	5.5	22
23	Hierarchical nanostructures as novel antifouling agents in nanofiltration process. <i>Desalination</i> , 2015, 375, 116-120.	8.2	21
24	A hydrophilic-oleophobic chitosan/SiO ₂ composite membrane to enhance oil fouling resistance in membrane distillation. <i>Korean Journal of Chemical Engineering</i> , 2019, 36, 255-264.	2.7	21
25	Fabrication of magnetic nanocomposite membrane for separation of organic contaminant from water. <i>Desalination and Water Treatment</i> , 2015, 54, 3603-3609.	1.0	17
26	Novel ultrafiltration membranes with the least fouling properties for the treatment of veterinary antibiotics in the pharmaceutical wastewater. <i>Polymers for Advanced Technologies</i> , 2019, 30, 1716-1723.	3.2	17
27	Membrane capsules with hierarchical Mg(OH) ₂ nanostructures as novel adsorbents for dyeing wastewater treatment in carpet industries. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017, 70, 391-400.	5.3	15
28	Preparation, structural analysis, and assessing the impacts of holmium and ytterbium on electrochemical hydrogen storage property of strontium cerium molybdate nanostructures. <i>Electrochimica Acta</i> , 2020, 356, 136851.	5.2	14
29	Sulfonation and mixing with TiO ₂ nanoparticles as two simultaneous solutions for reducing fouling of polysulfone loose nanofiltration membrane. <i>Korean Journal of Chemical Engineering</i> , 2016, 33, 2439-2452.	2.7	12
30	Thin-film composite membranes incorporated with large-area graphene oxide sheets and adjustable surface charges. <i>Polymers for Advanced Technologies</i> , 2018, 29, 795-805.	3.2	12
31	A novel positively charged membrane based on polyamide thin-film composite made by cross-linking for nanofiltration. <i>Water Science and Technology</i> , 2016, 73, 776-789.	2.5	11
32	Role of Organic Acids in Flux Enhancement of Polyamide Nanofiltration Membranes. <i>Chemical Engineering and Technology</i> , 2017, 40, 76-87.	1.5	11
33	Unveiling the synthesis of CuCe ₂ (MoO ₄) ₄ nanostructures and its physico-chemical properties on electrochemical hydrogen storage. <i>Journal of Alloys and Compounds</i> , 2020, 826, 154023.	5.5	11
34	Development of permeability properties of polyamide thin film composite nanofiltration membrane by using the dimethyl sulfoxide additive. <i>Journal of Water Reuse and Desalination</i> , 2014, 4, 174-181.	2.3	10
35	Pre-treatment of textile wastewaters containing Chrysophenine using hybrid membranes. <i>Membrane Water Treatment</i> , 2017, 8, 89-112.	0.5	10
36	Novel nanofiberous membrane fabricated via electrospinning of wastage fuzzes of mechanized carpet used for dye removal of the carpet dyeing wastewater. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2012, 47, 847-853.	1.7	9

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37	Novel membrane adsorbents prepared by waste fibers of mechanized carpet for Persian Orange X removal. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2017, 8, 209-218.	2.9	8
38	Extraction and preparation of dye powders from <i>Reseda luteola</i> L. using membrane processes and its dyeing properties. <i>Environmental Technology and Innovation</i> , 2021, 21, 101249.	6.1	8
39	A study on electrochemical hydrogen storage properties of truncated octahedron cobalt cerium molybdate nanocrystals synthesized by solution combustion method. <i>Journal of Alloys and Compounds</i> , 2021, 858, 158374.	5.5	8
40	Second modification of a polyamide membrane surface. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	2.6	6
41	A potential photovoltaic material for dye sensitized solar cells based BaCe ₂ (MoO ₄) ₄ doped Er ³⁺ /Yb ³⁺ nanostructures. <i>Journal of Cleaner Production</i> , 2019, 209, 762-768.	9.3	6
42	Tabas coal preparation plant wastewater treatment with membrane technology. <i>Water Science and Technology</i> , 2016, 74, 333-342.	2.5	5
43	Effects of chitosan and piperazine on surface morphology and mebeverine hydrochloride removal in polyurea thin film composite membranes. <i>Brazilian Journal of Chemical Engineering</i> , 2023, 40, 247-255.	1.3	4
44	IR-initiated preparation method of high performance nanofiltration membranes using graft polymerization of acrylic acid onto polyacrylonitrile surface. <i>Korean Journal of Chemical Engineering</i> , 2022, 39, 2849-2860.	2.7	3