

Bahareh Tanhaei

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

36
papers

2,119
citations

24
h-index

36
g-index

36
ext. papers

2,851
ext. citations

6.7
avg, IF

5.72
L-index

#	Paper	IF	Citations
36	Preparation and characterization of a novel chitosan/Al ₂ O ₃ /magnetite nanoparticles composite adsorbent for kinetic, thermodynamic and isotherm studies of Methyl Orange adsorption. <i>Chemical Engineering Journal</i> , 2015 , 259, 1-10	14.7	344
35	A review on catalytic applications of Au/TiO ₂ nanoparticles in the removal of water pollutant. <i>Chemosphere</i> , 2014 , 107, 163-174	8.4	217
34	A critical review on the use of potentiometric based biosensors for biomarkers detection. <i>Biosensors and Bioelectronics</i> , 2021 , 184, 113252	11.8	171
33	Emerging adsorptive removal of azo dye by metal-organic frameworks. <i>Chemosphere</i> , 2016 , 160, 30-44	8.4	159
32	Recent advances in using of chitosan-based adsorbents for removal of pharmaceutical contaminants: A review. <i>Journal of Cleaner Production</i> , 2021 , 291, 125880	10.3	155
31	Recent advances in removal techniques of Cr(VI) toxic ion from aqueous solution: A comprehensive review. <i>Journal of Molecular Liquids</i> , 2021 , 329, 115062	6	127
30	Novel 1-butyl-3-methylimidazolium bromide impregnated chitosan hydrogel beads nanostructure as an efficient nanobio-adsorbent for cationic dye removal: Kinetic study. <i>Environmental Research</i> , 2021 , 195, 110809	7.9	116
29	Removal of metal ions using a new magnetic chitosan nano-bio-adsorbent; A powerful approach in water treatment. <i>Environmental Research</i> , 2022 , 203, 111753	7.9	76
28	Magnetic xanthate modified chitosan as an emerging adsorbent for cationic azo dyes removal: Kinetic, thermodynamic and isothermal studies. <i>International Journal of Biological Macromolecules</i> , 2019 , 121, 1126-1134	7.9	61
27	Partially carboxymethylated and partially cross-linked surface of chitosan versus the adsorptive removal of dyes and divalent metal ions. <i>Carbohydrate Polymers</i> , 2018 , 197, 586-597	10.3	57
26	Simultaneous removal of aniline and nickel from water by micellar-enhanced ultrafiltration with different molecular weight cut-off membranes. <i>Separation and Purification Technology</i> , 2014 , 124, 26-35	8.3	52
25	Heterogeneous UV-Switchable Au nanoparticles decorated tungstophosphoric acid/TiO for efficient photocatalytic degradation process. <i>Chemosphere</i> , 2021 , 281, 130795	8.4	49
24	A novel magnetic Preyssler acid grafted chitosan nano adsorbent: synthesis, characterization and adsorption activity. <i>Journal of Chemical Technology and Biotechnology</i> , 2016 , 91, 1452-1460	3.5	44
23	Ionic liquid-modified composites for the adsorptive removal of emerging water contaminants: A review. <i>Journal of Molecular Liquids</i> , 2019 , 275, 71-83	6	41
22	Efficient carbon interlayered magnetic chitosan adsorbent for anionic dye removal: Synthesis, characterization and adsorption study. <i>International Journal of Biological Macromolecules</i> , 2020 , 164, 3621-3631	7.9	39
21	A magnetic mesoporous chitosan based core-shells biopolymer for anionic dye adsorption: Kinetic and isothermal study and application of ANN. <i>Journal of Applied Polymer Science</i> , 2016 , 133, n/a-n/a	2.9	36
20	Experimental Study of CMC Evaluation in Single and Mixed Surfactant Systems, Using the UV-Vis Spectroscopic Method. <i>Journal of Surfactants and Detergents</i> , 2013 , 16, 357-362	1.9	35

19	Efficient tetracycline adsorptive removal using tricaprilmethylammonium chloride conjugated chitosan hydrogel beads: Mechanism, kinetic, isotherms and thermodynamic study. <i>International Journal of Biological Macromolecules</i> , 2020 , 155, 421-429	7.9	34
18	Novel Aliquat-336 impregnated chitosan beads for the adsorptive removal of anionic azo dyes. <i>International Journal of Biological Macromolecules</i> , 2019 , 125, 989-998	7.9	33
17	Novel Au NPs/Preyssler acid/TiO ₂ nanocomposite for the photocatalytic removal of azo dye. <i>Separation and Purification Technology</i> , 2014 , 133, 415-420	8.3	31
16	Photocatalytic degradation of nitrobenzene by gold nanoparticles decorated polyoxometalate immobilized TiO ₂ nanotubes. <i>Separation and Purification Technology</i> , 2016 , 171, 62-68	8.3	30
15	Removal of nickel ions from aqueous solution by micellar-enhanced ultrafiltration, using mixed anionic/non-ionic surfactants. <i>Separation and Purification Technology</i> , 2014 , 138, 169-176	8.3	30
14	Magnetic EDTA Functionalized Preyssler Cross Linked Chitosan Nanocomposite for Adsorptive Removal of Pb(II) Ions. <i>Clean - Soil, Air, Water</i> , 2017 , 45, 1700328	1.6	28
13	Recent Advances in Application of Polyoxometalates for the Synthesis of Nanoparticles. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2012 , 42, 209-230		28
12	Lead(II)-ion removal by ethylenediaminetetraacetic acid ligand functionalized magnetic chitosan/aluminum oxide/iron oxide nanoadsorbents and microadsorbents: Equilibrium, kinetics, and thermodynamics. <i>Journal of Applied Polymer Science</i> , 2017 , 134,	2.9	24
11	H3PMo12O ₄₀ immobilized chitosan/Fe ₃ O ₄ as a novel efficient, green and recyclable nanocatalyst in the synthesis of pyrano-pyrazole derivatives. <i>Journal of the Iranian Chemical Society</i> , 2016 , 13, 2301-2308	2.08	23
10	Neuro-fuzzy modeling to adsorptive performance of magnetic chitosan nanocomposite. <i>Journal of Nanostructure in Chemistry</i> , 2017 , 7, 29-36	7.6	12
9	Preparation and characterization of ionic and non-ionic surfactants impregnated Carrageenan hydrogel beads for investigation of the adsorptive mechanism of cationic dye to develop for biomedical applications. <i>Journal of Molecular Liquids</i> , 2021 , 324, 115118	6	12
8	H4 [W ₁₂ SiO ₄₀] grafted on magnetic chitosan: a green nanocatalyst for the synthesis of [1,2,4]triazolo/benzimidazolo quinazolinone derivatives. <i>Micro and Nano Letters</i> , 2017 , 12, 964-969	0.9	11
7	Characterization of Rheum ribes with ZnO nanoparticle and its antidiabetic, antibacterial, DNA damage prevention and lipid peroxidation prevention activity of in vitro. <i>Environmental Research</i> , 2022 , 204, 112363	7.9	10
6	Arum italicum mediated silver nanoparticles: Synthesis and investigation of some biochemical parameters. <i>Environmental Research</i> , 2022 , 204, 112347	7.9	8
5	Assessment of the micellar-enhanced ultrafiltration process with a tight UF membrane for the removal of aniline from water. <i>Desalination and Water Treatment</i> , 2014 , 52, 5748-5756		7
4	The surfactant-ionic liquid bi-functionalization of chitosan beads for their adsorption performance improvement toward Tartrazine. <i>Environmental Research</i> , 2021 , 204, 111961	7.9	6
3	Green, Rapid and Facile HPMo-Assisted Synthesis of Silver Nanoparticles. <i>Current Nanoscience</i> , 2012 , 8, 880-884	1.4	5
2	Phosphotungstic acid (PTA) in the synthesis of 3D CdS superstructures by diffusion assisted hydrothermal method. <i>Advanced Powder Technology</i> , 2015 , 26, 1495-1503	4.6	4

- 1 Substantial improvement in the adsorption behavior of montmorillonite toward Tartrazine through hexadecylamine impregnation. *Environmental Research*, **2022**, 204, 111965 7·9 4