

Aboufazi Barati

List of Publications by Year in descending order

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35
papers

799
citations

516710

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526287

27
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35
docs citations

35
times ranked

1036
citing authors

#	ARTICLE	IF	CITATIONS
1	Solvothermal synthesis of CuFe ₂ O ₄ and Fe ₃ O ₄ nanoparticles with high heating efficiency for magnetic hyperthermia application. <i>Journal of Alloys and Compounds</i> , 2020, 816, 152548.	5.5	105
2	One-pot preparation of hyaluronic acid-coated iron oxide nanoparticles for magnetic hyperthermia therapy and targeting CD44-overexpressing cancer cells. <i>Carbohydrate Polymers</i> , 2020, 237, 116130.	10.2	74
3	Drying of gelcast ceramic parts via the liquid desiccant method. <i>Journal of the European Ceramic Society</i> , 2003, 23, 2265-2272.	5.7	60
4	Gelation process in low-toxic gelcasting systems. <i>Journal of the European Ceramic Society</i> , 2006, 26, 3083-3090.	5.7	49
5	A robust method for fabrication of monodisperse magnetic mesoporous silica nanoparticles with core-shell structure as anticancer drug carriers. <i>Journal of Molecular Liquids</i> , 2019, 292, 111367.	4.9	47
6	Chitosan-based hydrogels loading with thyme oil cyclodextrin inclusion compounds: From preparation to characterization. <i>European Polymer Journal</i> , 2020, 122, 109303.	5.4	40
7	Nanofibrous cellulose acetate/gelatin wound dressing endowed with antibacterial and healing efficacy using nanoemulsion of <i>Zataria multiflora</i> . <i>International Journal of Biological Macromolecules</i> , 2020, 162, 762-773.	7.5	39
8	Removal and recovery of copper and nickel ions from aqueous solution by poly(methacrylamide-co-acrylic acid)/montmorillonite nanocomposites. <i>Environmental Science and Pollution Research</i> , 2013, 20, 6242-6255.	5.3	36
9	Preparation and characterization of chitosan based hydrogels containing cyclodextrin inclusion compounds or nanoemulsions of thyme oil. <i>Polymer International</i> , 2019, 68, 1891-1902.	3.1	35
10	Chemorheology of alumina-aqueous acrylamide gelcasting systems. <i>Journal of the European Ceramic Society</i> , 2004, 24, 635-644.	5.7	31
11	Synthesis and characterization of fast-swelling porous superabsorbent hydrogel based on starch as a hemostatic agent. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2015, 26, 1439-1451.	3.5	31
12	3D printed chitosan/polycaprolactone scaffold for lung tissue engineering: hope to be useful for COVID-19 studies. <i>RSC Advances</i> , 2021, 11, 19508-19520.	3.6	28
13	Rapid Removal of Heavy Metal Cations by Novel Nanocomposite Hydrogels Based on Wheat Bran and Clinoptilolite: Kinetics, Thermodynamics, and Isotherms. <i>Water, Air, and Soil Pollution</i> , 2014, 225, 1.	2.4	20
14	Chitosan/polyethylene glycol impregnated activated carbons: Synthesis, characterization and adsorption performance. <i>Frontiers of Chemical Science and Engineering</i> , 2017, 11, 575-585.	4.4	20
15	Fabrication of novel agarose-nickel bilayer composite for purification of protein nanoparticles in expanded bed adsorption column. <i>Chemical Engineering Research and Design</i> , 2020, 159, 291-299.	5.6	20
16	Design of thermosensitive polymer-coated magnetic mesoporous silica nanocomposites with a core-shell-shell structure as a magnetic/temperature dual-responsive drug delivery vehicle. <i>Polymers for Advanced Technologies</i> , 2021, 32, 4101-4109.	3.2	18
17	Using oral penicillin as a novel environmentally friendly corrosion inhibitor for low carbon steel in an environment containing hydrogen sulfide corrosive gas. <i>Journal of Natural Gas Science and Engineering</i> , 2020, 77, 103262.	4.4	17
18	Optimization on thermal treatment synthesis of lactoferrin nanoparticles via Taguchi design method. <i>SN Applied Sciences</i> , 2019, 1, 1.	2.9	16

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19	Characterization, in vitro antibacterial activity, and toxicity for rat of tetracycline in a nanocomposite hydrogel based on PEG and cellulose. <i>Cellulose</i> , 2020, 27, 347-356.	4.9	14
20	Dynamical Modeling and Experimental Analysis on the Swelling Behavior of the sIPN Hydrogels. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 10111-10115.	3.7	13
21	Integration of microbubbles with biomaterials in tissue engineering for pharmaceutical purposes. <i>Heliyon</i> , 2020, 6, e04189.	3.2	12
22	Effect of clinoptilolite on structure and drug release behavior of chitosan/thyme oil cyclodextrin inclusion compound hydrogels. <i>Journal of Applied Polymer Science</i> , 2021, 138, 49822.	2.6	11
23	Decellularized <i>Alstroemeria</i> flower stem modified with chitosan for tissue engineering purposes: A cellulose/chitosan scaffold. <i>International Journal of Biological Macromolecules</i> , 2022, 204, 321-332.	7.5	10
24	Employing hydrogels in tissue engineering approaches to boost conventional cancer-based research and therapies. <i>RSC Advances</i> , 2021, 11, 10646-10669.	3.6	9
25	Synthesis of superabsorbent hydrogel nanocomposites for use as hemostatic agent. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2016, 65, 779-788.	3.4	7
26	Synthesis and study the controlled release of etronidazole from the new PEG/NaY and PEG/MCM-41 nanocomposites. <i>Journal of Environmental Health Science & Engineering</i> , 2014, 12, 35.	3.0	6
27	Efficient copper removal from wastewater through montmorillonite-supported hydrogel adsorbent. <i>Water Environment Research</i> , 2019, 91, 332-339.	2.7	6
28	Preparation and evaluation of thermoplastic vulcanizate / organo-modified layered double hydroxide nanocomposite: Statistical modelling and optimization. <i>Materials Today Communications</i> , 2021, 26, 102046.	1.9	6
29	Study on Steady Shear Rheological Behavior of Concentrated Suspensions of Sulfonated Polyacrylamide/Na-Montmorillonite Nanoparticles. <i>Journal of Macromolecular Science - Physics</i> , 2015, 54, 761-770.	1.0	5
30	Industrial wastewater treatment by using of membrane. <i>Membrane Water Treatment</i> , 2015, 6, 489-499.	0.5	5
31	Simulation and experimental analysis of an intelligent tissue for controlled drug delivery. <i>Canadian Journal of Chemical Engineering</i> , 2011, 89, 1521-1527.	1.7	3
32	Model Development and Experimental Verification of Liquid Desiccant Drying of Gelcast γ -Alumina Ceramic Objects. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 7504-7512.	3.7	2
33	A novel approach to prepare Ni-Al mesoporous powder using electrochemical method in one step. <i>Journal of Alloys and Compounds</i> , 2017, 705, 226-231.	5.5	2
34	The use of nanoemulsion-based strategies to improve corrosion inhibition efficiency of Thyme-based inhibitor. <i>Journal of Molecular Liquids</i> , 2019, 296, 112110.	4.9	2
35	CMC-based hydrogels loaded with <i>Hypericum perforatum</i> nanoemulsion for potential wound dressing applications. <i>Journal of Bioactive and Compatible Polymers</i> , 0, , 088391152210980.	2.1	0