

Azarudeen, Rs

List of Publications by Year in descending order

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25
papers

427
citations

759233

12
h-index

752698

20
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25
all docs

25
docs citations

25
times ranked

425
citing authors

#	ARTICLE	IF	CITATIONS
1	Batch separation studies for the removal of heavy metal ions using a chelating terpolymer: Synthesis, characterization and isotherm models. Separation and Purification Technology, 2013, 116, 366-377.	7.9	66
2	Enhanced dye removal using polymeric nanocomposite through incorporation of Ag doped ZnO nanoparticles: Synthesis and characterization. Journal of Hazardous Materials, 2019, 373, 493-503.	12.4	50
3	Polymeric nanocomposites for the removal of Acid red 52 dye from aqueous solutions: Synthesis, characterization, kinetic and isotherm studies. Ecotoxicology and Environmental Safety, 2018, 160, 42-51.	6.0	44
4	Chelating terpolymer resin: Synthesis, characterization and its ion-exchange properties. Desalination, 2011, 268, 90-96.	8.2	37
5	Antimicrobial Applications of Transition Metal Complexes of Benzothiazole Based Terpolymer: Synthesis, Characterization, and Effect on Bacterial and Fungal Strains. Bioinorganic Chemistry and Applications, 2014, 2014, 1-16.	4.1	27
6	Heavy and toxic metal ion removal by a novel polymeric ion-exchanger: synthesis, characterization, kinetics and equilibrium studies. Journal of Chemical Technology and Biotechnology, 2015, 90, 2170-2179.	3.2	24
7	Terpolymer Chelates: Synthesis, Characterization, and Biological Applications. International Journal of Polymeric Materials and Polymeric Biomaterials, 2010, 60, 124-143.	3.4	22
8	Kinetics of thermal decomposition and antimicrobial screening of terpolymer resins. Polymer Bulletin, 2011, 67, 1553-1568.	3.3	22
9	Synthesis, Spectral, Morphology, Thermal Degradation Kinetics and Antibacterial Studies of Terpolymer Metal Complexes. Journal of Inorganic and Organometallic Polymers and Materials, 2012, 22, 791-806.	3.7	18
10	Biological and thermal investigations of polychelates derived from a novel terpolymer ligand. Journal of Polymer Research, 2011, 18, 1331-1341.	2.4	17
11	Sorption investigation on the removal of metal ions from aqueous solutions using chelating terpolymer resin. Research on Chemical Intermediates, 2012, 38, 2155-2173.	2.7	16
12	Thermal degradation kinetics and antimicrobial studies of terpolymer resins. Arabian Journal of Chemistry, 2016, 9, S296-S305.	4.9	15
13	A novel comparative study: synthesis, characterization and thermal degradation kinetics of a terpolymer and its composite for the removal of heavy metals. Iranian Polymer Journal (English) Tj ETQq1 1 0.784314rgBT /Overlock 1	2.4	14
14	3D printable Polycaprolactone-gelatin blends characterized for in vitro osteogenic potency. Reactive and Functional Polymers, 2020, 146, 104445.	4.1	13
15	Dual property of chitosan blended copolymer membranes: Antidiabetic drug release profile and antimicrobial assay. International Journal of Biological Macromolecules, 2020, 145, 42-52.	7.5	12
16	Synthetic functionalized terpolymeric resin for the removal of hazardous metal ions: synthesis, characterization and batch separation analysis. Polymers for Advanced Technologies, 2016, 27, 235-244.	3.2	9
17	Studies of new oligomerâ€metal complexes and their antibacterial activities. Polymer International, 2013, 62, 362-374.	3.1	6
18	Polymerâ€supported metal complexes as antibacterial agents: synthesis, characterization and thermal degradation kinetics. Applied Organometallic Chemistry, 2014, 28, 773-784.	3.5	6

#	ARTICLE	IF	CITATIONS
19	Toxic metal ion removal by terpolymer ion-exchanger from aqueous environments: synthesis, thermal degradation, batch separation, kinetic and isotherm studies. Separation Science and Technology, 2018, 53, 513-526.	2.5	3
20	Sorption behavior of ion-exchange terpolymer resin with environmental impact: synthesis, characterization and isotherm models. Polymer Bulletin, 2014, 71, 3209-3235.	3.3	2
21	Separations of toxic metal ions using a novel polymeric composite: Synthesis, characterizations, kinetics, isotherm models and thermal degradation studies. Separation Science and Technology, 2017, 52, 1946-1958.	2.5	2
22	Antibacterial chitosan-copolymer membranes for drug delivery: synthesis, characterization, drug release profile and kinetics. Journal of Chemical Technology and Biotechnology, 2017, 92, 1659-1666.	3.2	2
23	Transition Metal Complexes of a Novel Polymeric Ligand: Thermal Degradation Kinetics and In Vitro Antibacterial Applications. Journal of Inorganic and Organometallic Polymers and Materials, 2014, 24, 842-857.	3.7	1
24	In Vitro Bacterial Screening and Degradation Kinetics of a Terpolymer Ligand and Its Transition Metal Complexes. Advances in Polymer Technology, 2014, 33, .	1.7	0
25	Studies of retention and reusable capacities of melamine formaldehyde based terpolymer against some toxic metal ions by batch equilibrium method. Separation Science and Technology, 0, , 150527095459001.	2.5	0