

Anupkumar Bhaskarapillai

List of Publications by Citations

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21
papers

483
citations

10
h-index

21
g-index

21
ext. papers

535
ext. citations

6.2
avg, IF

4.25
L-index

#	Paper	IF	Citations
21	Cobalt (II) imprinted chitosan for selective removal of cobalt during nuclear reactor decontamination. <i>Carbohydrate Polymers</i> , 2012 , 87, 2690-2696	10.3	93
20	Impact of thermal discharge from a tropical coastal power plant on phytoplankton. <i>Journal of Thermal Biology</i> , 2005 , 30, 307-316	2.9	81
19	Pitting corrosion of titanium by a freshwater strain of sulphate reducing bacteria (<i>Desulfovibrio vulgaris</i>). <i>Corrosion Science</i> , 2005 , 47, 1071-1084	6.8	74
18	Synthesis and Characterization of Imprinted Polymers for Radioactive Waste Reduction. <i>Industrial & Engineering Chemistry Research</i> , 2009 , 48, 3730-3737	3.9	44
17	Nano-titania-crosslinked chitosan composite as a superior sorbent for antimony (III) and (V). <i>Carbohydrate Polymers</i> , 2014 , 108, 169-75	10.3	39
16	Enhancing the antimony sorption properties of nano titania-chitosan beads using epichlorohydrin as the crosslinker. <i>Journal of Hazardous Materials</i> , 2017 , 334, 160-167	12.8	34
15	Antimony, a pollutant of emerging concern: A review on industrial sources and remediation technologies. <i>Chemosphere</i> , 2021 , 277, 130252	8.4	22
14	Theoretical investigations of the experimentally observed selectivity of a cobalt imprinted polymer. <i>Biosensors and Bioelectronics</i> , 2009 , 25, 558-62	11.8	14
13	Sorption behaviour of Co(II) and Cu(II) on chitosan in presence of nitrilotriacetic acid. <i>Journal of Hazardous Materials</i> , 2011 , 191, 110-7	12.8	14
12	Synthesis of a crosslinked poly(ionic liquid) and evaluation of its antimony binding properties. <i>Journal of Hazardous Materials</i> , 2020 , 384, 121481	12.8	12
11	High temperature dissolution of oxides in complexing media. <i>Journal of Nuclear Materials</i> , 2011 , 419, 39-45	3.3	9
10	Thermal mapping in the Kalpakkam Coast (Bay of Bengal) in the vicinity of Madras atomic power station. <i>International Journal of Environmental Studies</i> , 2005 , 62, 473-485	1.8	9
9	Removal of Antimony over Nano Titania Impregnated Epichlorohydrin-Crosslinked Chitosan Beads from a Typical Decontamination Formulation. <i>Nuclear Technology</i> , 2017 , 197, 88-98	1.4	8
8	Towards finding an efficient sorbent for antimony: comparative investigations on antimony removal properties of potential antimony sorbents. <i>International Journal of Environmental Science and Technology</i> , 2017 , 14, 777-784	3.3	8
7	Crosslinked poly(1-butyl-3-vinylimidazolium bromide): a super efficient receptor for the removal and storage of iodine from solution and vapour phases. <i>New Journal of Chemistry</i> , 2019 , 43, 1117-1121	3.6	8
6	A comparative investigation of copper and cobalt imprinted polymers: evidence for retention of the solution-state metal ion and complex stoichiometry in the imprinted cavities. <i>RSC Advances</i> , 2013 , 3, 13178	3.7	8
5	New insight into the role of crosslinkers and composition on selectivity and kinetics of antimony uptake by chitosan-titania composite beads. <i>SN Applied Sciences</i> , 2021 , 3, 1	1.8	3

4	Organic acids modify the binding selectivity of crosslinked poly(ionic liquid) between Sb(III) and Sb(V). <i>Materials Today Communications</i> , 2020 , 25, 101507	2.5	2
3	Crosslinked poly(ionic liquid)s as selective receptors for Cr(VI) - Counter anion effect and application in treating drinking water and tannery effluents. <i>Chemosphere</i> , 2022 , 286, 131922	8.4	1
2	Exopolymer produced by <i>Pseudomonas aeruginosa</i> : A super sorbent for ruthenium. <i>Separation Science and Technology</i> , 2016 , 1-6	2.5	
1	Speciality Commercial Ion Exchange Resins for Use in Nuclear Industries for Antimony Removal: A Systematic Study. <i>Journal of Hazardous Materials Advances</i> , 2022 , 100087		