

Anupama Kumar

List of Publications by Year in descending order

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30
papers

915
citations

471371

17
h-index

526166

27
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all docs

30
docs citations

30
times ranked

1001
citing authors

#	ARTICLE	IF	CITATIONS
1	Alkali-treated straw and insoluble straw xanthate as low cost adsorbents for heavy metal removal – preparation, characterization and application. <i>Bioresource Technology</i> , 2000, 71, 133-142.	4.8	91
2	Molecularly imprinted microspheres and nanoparticles prepared using precipitation polymerisation method for selective extraction of gallic acid from <i>Embllica officinalis</i> . <i>Food Chemistry</i> , 2014, 146, 385-393.	4.2	88
3	Occurrence, fate, persistence and remediation of caffeine: a review. <i>Environmental Science and Pollution Research</i> , 2020, 27, 34715-34733.	2.7	70
4	Ecotoxicological risk assessment and seasonal variation of some pharmaceuticals and personal care products in the sewage treatment plant and surface water bodies (lakes). <i>Environmental Monitoring and Assessment</i> , 2017, 189, 446.	1.3	69
5	Determination of ascorbic acid in soft drinks, preserved fruit juices and pharmaceuticals by flow injection spectrophotometry: Matrix absorbance correction by treatment with sodium hydroxide. <i>Talanta</i> , 1995, 42, 779-787.	2.9	54
6	Graphene oxide-based zirconium oxide nanocomposite for enhanced visible light-driven photocatalytic activity. <i>Research on Chemical Intermediates</i> , 2019, 45, 1689-1705.	1.3	53
7	Offline solid-phase extraction for preconcentration of pharmaceuticals and personal care products in environmental water and their simultaneous determination using the reversed phase high-performance liquid chromatography method. <i>Environmental Monitoring and Assessment</i> , 2016, 188, 512.	1.3	52
8	Quantum chemical density functional theory studies on the molecular structure and vibrational spectra of Gallic acid imprinted polymers. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 116, 562-573.	2.0	50
9	Acrylamide grafted chitosan based ion imprinted polymer for the recovery of cadmium from nickel-cadmium battery waste. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 1828-1839.	3.3	49
10	Chitosan as a substrate for simultaneous surface imprinting of salicylic acid and cadmium. <i>Carbohydrate Polymers</i> , 2018, 202, 334-344.	5.1	47
11	Validation of computational approach to study monomer selectivity toward the template Gallic acid for rational molecularly imprinted polymer design. <i>Journal of Molecular Modeling</i> , 2012, 18, 4797-4810.	0.8	41
12	Adsorption of five emerging contaminants on activated carbon from aqueous medium: kinetic characteristics and computational modeling for plausible mechanism. <i>Environmental Science and Pollution Research</i> , 2021, 28, 21347-21358.	2.7	32
13	Ion cum molecularly dual imprinted polymer for simultaneous removal of cadmium and salicylic acid. <i>Journal of Molecular Recognition</i> , 2018, 31, e2630.	1.1	27
14	Flow-injection spectrophotometric determination of residual free chlorine and chloramine. <i>Fresenius' Journal of Analytical Chemistry</i> , 1995, 351, 335-337.	1.5	26
15	Spectrophotometric determination of ascorbic acid in pharmaceuticals by background correction and flow injection. <i>Analyst</i> , 1991, 116, 641.	1.7	20
16	Molecularly imprinted chitosan-based adsorbents for the removal of salicylic acid and its molecular modeling to study the influence of intramolecular hydrogen bonding of template on molecular recognition of molecularly imprinted polymer. <i>Adsorption Science and Technology</i> , 2016, 34, 405-425.	1.5	20
17	Effect of the Cryogenic Treatment on Polyamide and Optimization of Its Parameters for the Enhancement of Wear Performance. <i>Transactions of the Indian Institute of Metals</i> , 2012, 65, 313-319.	0.7	19
18	Determination of bromide in complex matrices by pre-column derivatization linked to solid-phase extraction and high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 1996, 746, 31-41.	1.8	18

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19	Studies of the Molecular Recognition Abilities of Gallic Acid-Imprinted Polymer Prepared Using a Molecular Imprinting Technique. <i>Adsorption Science and Technology</i> , 2012, 30, 23-34.	1.5	14
20	Influence of porogens on the specific recognition of molecularly imprinted poly(acrylamide-co-ethylene glycol dimethacrylate). <i>Composite Interfaces</i> , 2014, 21, 13-30.	1.3	13
21	Flow injection spectrophotometric determination of nitrite. <i>Talanta</i> , 1994, 41, 1275-1279.	2.9	12
22	Molecular Imprinting: Mimicking Molecular Receptors for Antioxidants. <i>Materials Science Forum</i> , 2011, 675-677, 515-520.	0.3	10
23	Derivatized Chitosan. , 2018, , 251-284.		9
24	Optimization of Cryo-treatment Parameters for PTFE by Quantum-Chemical Approach and Its Evaluation Through Mechanical, Thermal and Structural Characterization. <i>Transactions of the Indian Institute of Metals</i> , 2012, 65, 365-373.	0.7	8
25	Polyphenols in fruit and vegetable peel extract: procedure of selective extraction and method of analysis. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 3797-3807.	2.9	7
26	Valorization of Punica granatum (pomegranate) peels: a case study of circular bioeconomy. <i>Biomass Conversion and Biorefinery</i> , 0, , 1.	2.9	6
27	Water compatible functionalized chitosan-based 4-HBA mimic imprinted polymer as a potential sorbent for salicylic acid. <i>Separation Science and Technology</i> , 2021, 56, 694-707.	1.3	5
28	Chromium exchanged insoluble straw xanthate (ISX-Cr3+) for removal of free cyanide: combined effect of ligand-displacement reaction and sorption. <i>Separation Science and Technology</i> , 2002, 37, 2167-2182.	1.3	2
29	Chitosan -Based Biosorbents: Modifications and Application for Sequestration of PPCPs and Metals for Water Remediation. , 2017, , 1-25.		2
30	Separation and Recovery of 4-Hydroxybenzoic Acid Using Molecular Imprinting Technique from Dilute Solution. <i>Journal of the Institution of Engineers (India): Series E</i> , 2022, 103, 135-143.	0.5	1