

Aminul Islam

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

625
citations

471061

17
h-index

580395

25
g-index

31
all docs

31
docs citations

31
times ranked

562
citing authors

#	ARTICLE	IF	CITATIONS
1	A graphene oxide decorated with triethylenetetramine-modified magnetite for separation of chromium species prior to their sequential speciation and determination via FAAS. <i>Mikrochimica Acta</i> , 2016, 183, 289-296.	2.5	74
2	Graphene Oxide Sheets Immobilized Polystyrene for Column Preconcentration and Sensitive Determination of Lead by Flame Atomic Absorption Spectrometry. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 13257-13265.	4.0	68
3	Characterization of a novel chelating resin of enhanced hydrophilicity and its analytical utility for preconcentration of trace metal ions. <i>Talanta</i> , 2010, 81, 1772-1780.	2.9	44
4	Preparation of a new magnetic ion-imprinted polymer and optimization using Box-Behnken design for selective removal and determination of Cu(II) in food and wastewater samples. <i>Food Chemistry</i> , 2021, 334, 127563.	4.2	40
5	Characterization and Application of 1-(2-Pyridylazo)-2-naphthol Functionalized Amberlite XAD-4 for Preconcentration of Trace Metal Ions in Real Matrices. <i>Journal of Chemical & Engineering Data</i> , 2010, 55, 5553-5561.	1.0	37
6	The efficiency of Amberlite XAD-4 resin loaded with 1-(2-pyridylazo)-2-naphthol in preconcentration and separation of some toxic metal ions by flame atomic absorption spectrometry. <i>Environmental Monitoring and Assessment</i> , 2011, 175, 201-212.	1.3	29
7	Characterization of a chelating resin functionalized via azo spacer and its analytical applicability for the determination of trace metal ions in real matrices. <i>Journal of Applied Polymer Science</i> , 2012, 123, 3448-3458.	1.3	26
8	SPE coupled to AAS trace determination of Cd(II) and Zn(II) in food samples using amine functionalized GMA-MMA-EGDMA terpolymer: Isotherm and kinetic studies. <i>Food Chemistry</i> , 2016, 213, 775-783.	4.2	25
9	Preparation, Characterization of a Novel Chelating Resin Functionalized with 4-Hydroxybenzamide and Its Application for Preconcentration of Trace Metal Ions. <i>Clean - Soil, Air, Water</i> , 2012, 40, 54-65.	0.7	23
10	Synthesis and characterization of a new cation exchanger-zirconium(IV)iodotungstate: Separation and determination of metal ion contents of synthetic mixtures, pharmaceutical preparations and standard reference material. <i>Journal of Hazardous Materials</i> , 2009, 172, 202-207.	6.5	22
11	A newly developed salicylanilide functionalized Amberlite XAD-16 chelating resin for use in preconcentration and determination of trace metal ions from environmental and biological samples. <i>Analytical Methods</i> , 2011, 3, 2041.	1.3	22
12	Preconcentration of metal ions through chelation on a synthesized resin containing O, O donor atoms for quantitative analysis of environmental and biological samples. <i>Environmental Monitoring and Assessment</i> , 2013, 185, 2691-2704.	1.3	21
13	Selective Separation of Aluminum from Biological and Environmental Samples Using Glyoxal-bis(2-hydroxyanil) Functionalized Amberlite XAD-16 Resin: Kinetics and Equilibrium Studies. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 5213-5220.	1.8	19
14	Amine-functionalized mesoporous polymer as potential sorbent for nickel preconcentration from electroplating wastewater. <i>Environmental Science and Pollution Research</i> , 2015, 22, 7716-7725.	2.7	19
15	Flame Atomic Absorption Spectrometric Determination of Trace Metal Ions in Environmental and Biological Samples After Preconcentration on a Newly Developed Amberlite XAD-16 Chelating Resin Containing 4-Aminobenzene Sulfonic Acid. <i>Journal of AOAC INTERNATIONAL</i> , 2015, 98, 165-175.	0.7	19
16	Efficacy of engineered GO Amberlite XAD-16 picolylamine sorbent for the trace determination of Pb (II) and Cu (II) in fishes by solid phase extraction column coupled with inductively coupled plasma optical emission spectrometry. <i>Scientific Reports</i> , 2018, 8, 17560.	1.6	19
17	Facile fabrication of Amberlite XAD-16 with dipicolylamine for remediation of industrial wastewater containing lead and copper: Isotherm, kinetics, thermodynamics and selectivity studies. <i>Microchemical Journal</i> , 2019, 146, 606-613.	2.3	17
18	Column chromatographic separation of metal ions on 1-(2-pyridylazo)-2-naphthol modified Amberlite IR-120 resin. <i>Journal of Separation Science</i> , 2005, 28, 2463-2467.	1.3	16

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19	Graphene Oxide Supported on Amberlite Resin for the Analytical Method Development for Enhanced Column Preconcentration/Sensitive Flame Atomic Absorption Spectrometric Determination of Toxic Metal Ions in Environmental Samples. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 8309-8316.	1.8	12
20	Glycidylmethacrylate based resin functionalized with graphene oxide for column preconcentration and trace determination of Cd and Ni in environmental and food samples. <i>RSC Advances</i> , 2016, 6, 77629-77635.	1.7	11
21	Reflection of the Physiochemical Characteristics of 1-(2-pyridylazo)-2-naphthol on the Pre-concentration of Trace Heavy Metals. <i>Critical Reviews in Analytical Chemistry</i> , 2016, 46, 413-423.	1.8	11
22	Functionalized carbon nanotubes for dispersive solid-phase extraction and atomic absorption spectroscopic determination of toxic metals ions. <i>International Journal of Environmental Science and Technology</i> , 2019, 16, 707-718.	1.8	11
23	Triethylenetetramine-Grafted Magnetite Graphene Oxide-Based Surface-Imprinted Polymer for the Adsorption of Ni(II) in Food Samples. <i>Journal of Chemical & Engineering Data</i> , 2021, 66, 456-465.	1.0	9
24	Synthesis, characterization, and systematic studies of a novel aluminum selective chelating resin. <i>Environmental Monitoring and Assessment</i> , 2014, 186, 5843-5853.	1.3	8
25	Efficacy of dihydroxy-mercaptopyrimidine functionalized polymeric resin for the trace determination of Cd by SPE coupled flame atomic absorption spectrometry. <i>RSC Advances</i> , 2015, 5, 46662-46671.	1.7	8
26	Copper selective self-sorting polymeric resin with mixed-mode functionality for column preconcentration and atomic absorption spectrometric determination. <i>RSC Advances</i> , 2016, 6, 5590-5598.	1.7	5
27	Tailored-designed material for the preconcentration of Cd(II) on glycidyl methacrylate-based ion-imprinted polymer for flame atomic absorption for trace determination in real samples: multivariate optimization. <i>Environmental Science and Pollution Research</i> , 2022, 29, 69068-69081.	2.7	5
28	Magnetic Carbon Nanotubes-Silica Binary Composite for Effective Pb(II) Sequestration from Industrial Effluents: Multivariate Process Optimization. <i>Clean - Soil, Air, Water</i> , 2021, 49, 2000401.	0.7	4
29	Ion exchange equilibria of alkaline earth metal and hydrogen ions on stannic arsenate. <i>Annales De Chimie: Science Des Matériaux</i> , 2003, 28, 53-58.	0.2	1
30	Synthesis and Characterization of Tin (IV) Iodovanadate and its Use as Electron Exchanger. <i>Arabian Journal for Science and Engineering</i> , 2022, 47, 295-301.	1.7	0