

Hilal Ahmad

List of Publications by Year in descending order

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papers

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687363

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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.	5.0	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.	8.0	68
3	Accelerated solar steam generation for efficient ions removal. <i>Journal of Colloid and Interface Science</i> , 2020, 560, 103-110.	9.4	49
4	Preconcentration and Determination of Trace Hg(II) Using a Cellulose Nanofiber Mat Functionalized with MoS ₂ Nanosheets. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 3198-3204.	3.7	37
5	Separation and preconcentration of Pb(II) and Cd(II) from aqueous samples using hyperbranched polyethyleneimine-functionalized graphene oxide-immobilized polystyrene spherical adsorbents. <i>Microchemical Journal</i> , 2019, 145, 833-842.	4.5	35
6	Ultrasound assisted dispersive solid phase microextraction of inorganic arsenic from food and water samples using CdS nanoflowers combined with ICP-OES determination. <i>Food Chemistry</i> , 2021, 338, 128028.	8.2	30
7	Separation and preconcentration of arsenite and other heavy metal ions using graphene oxide laminated with protein molecules. <i>Journal of Hazardous Materials</i> , 2020, 384, 121479.	12.4	28
8	Preconcentration and speciation of arsenic by using a graphene oxide nanoconstruct functionalized with a hyperbranched polyethyleneimine. <i>Mikrochimica Acta</i> , 2018, 185, 290.	5.0	27
9	Magnetic Fe ₃ O ₄ @poly(methacrylic acid) particles for selective preconcentration of trace arsenic species. <i>Mikrochimica Acta</i> , 2017, 184, 2007-2014.	5.0	26
10	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.	8.2	25
11	Avenue to Large-Scale Production of Graphene Quantum Dots from High-Purity Graphene Sheets Using Laboratory-Grade Graphite Electrodes. <i>ACS Omega</i> , 2020, 5, 18831-18841.	3.5	23
12	Ultra-thin graphene oxide membrane deposited on highly porous anodized aluminum oxide surface for heavy metal ions preconcentration. <i>Journal of Hazardous Materials</i> , 2021, 415, 125661.	12.4	22
13	3D Nanoarchitecture of Polyaniline-MoS ₂ Hybrid Material for Hg(II) Adsorption Properties. <i>Polymers</i> , 2020, 12, 2731.	4.5	18
14	Graphene oxide lamellar membrane with enlarged inter-layer spacing for fast preconcentration and determination of trace metal ions. <i>RSC Advances</i> , 2021, 11, 11889-11899.	3.6	13
15	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.	3.7	12
16	Cellulose Nanofibers@ZrO ₂ membrane for the separation of Hg(II) from aqueous media. <i>Journal of Physics and Chemistry of Solids</i> , 2022, 168, 110812.	4.0	12
17	Enrichment of trace Hg(II) ions from food and water samples after solid phase extraction combined with ICP-OES determination. <i>Microchemical Journal</i> , 2022, 175, 107179.	4.5	11
18	Effective Enrichment and Quantitative Determination of Trace Hg ²⁺ Ions Using CdS-Decorated Cellulose Nanofibrils. <i>Nanomaterials</i> , 2020, 10, 2218.	4.1	10

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19	Aminophosphonic Acid Functionalized Cellulose Nanofibers for Efficient Extraction of Trace Metal Ions. <i>Polymers</i> , 2020, 12, 2370.	4.5	10
20	Bioinspired 2D carbon sheets decorated with MnFe ₂ O ₄ nanoparticles for preconcentration of inorganic arsenic, and its determination by ICP-OES. <i>Mikrochimica Acta</i> , 2019, 186, 649.	5.0	9
21	Improved ion-diffusion assisted uniform growth of 1D CdS nanostructures for enhanced optical and energy storage properties. <i>Applied Surface Science</i> , 2020, 512, 145654.	6.1	9
22	Preconcentration and determination of trace Hg(II) using ultrasound-assisted dispersive solid phase microextraction. <i>RSC Advances</i> , 2021, 12, 53-61.	3.6	9
23	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.	3.6	8
24	Selective Extraction of Trace Arsenite Ions Using a Highly Porous Aluminum Oxide Membrane with Ordered Nanopores. <i>ACS Omega</i> , 2022, 7, 3044-3051.	3.5	6
25	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.	3.6	5
26	Systematic study of physicochemical and electrochemical properties of carbon nanomaterials. <i>RSC Advances</i> , 2022, 12, 15593-15600.	3.6	5
27	Dimercaptosuccinic Acid Functionalized Polystyrene Column for Trace Concentration Determination of Heavy Metal Ions: Experimental and Theoretical Calculation Studies. <i>Water (Switzerland)</i> , 2021, 13, 3056.	2.7	4
28	Dynamic synthesis of CdTe NRs: Diameter dependent tuning of PL quenching efficiency for sensitive organic vapor detection. <i>Journal of Alloys and Compounds</i> , 2022, 901, 163663.	5.5	1
29	Application of magnetite-graphene oxide for wastewater treatment. , 2019, , 195-203.		0