Hilal Ahmad

List of Publications by Year
in descending order

29 papers	586 citations	687363 13 h-index	610901 24 g-index
29 all docs	29 docs citations	29 times ranked	642 citing authors

#	Article	IF	Citations
1	Selective Extraction of Trace Arsenite Ions Using a Highly Porous Aluminum Oxide Membrane with Ordered Nanopores. ACS Omega, 2022, 7, 3044-3051.	3.5	6
2	Enrichment of trace Hg(II) ions from food and water samples after solid phase extraction combined with ICP-OES determination. Microchemical Journal, 2022, 175, 107179.	4.5	11
3	Dynamic synthesis of CdTe NRs: Diameter dependent tuning of PL quenching efficiency for sensitive organic vapor detection. Journal of Alloys and Compounds, 2022, 901, 163663.	5.5	1
4	Systematic study of physicochemical and electrochemical properties of carbon nanomaterials. RSC Advances, 2022, 12, 15593-15600.	3.6	5
5	Cellulose Nanofibers@ZrO2 membrane for the separation of Hg(II) from aqueous media. Journal of Physics and Chemistry of Solids, 2022, 168, 110812.	4.0	12
6	Ultrasound assisted dispersive solid phase microextraction of inorganic arsenic from food and water samples using CdS nanoflowers combined with ICP-OES determination. Food Chemistry, 2021, 338, 128028.	8.2	30
7	Graphene oxide lamellar membrane with enlarged inter-layer spacing for fast preconcentration and determination of trace metal ions. RSC Advances, 2021, 11, 11889-11899.	3.6	13
8	Ultra-thin graphene oxide membrane deposited on highly porous anodized aluminum oxide surface for heavy metal ions preconcentration. Journal of Hazardous Materials, 2021, 415, 125661.	12.4	22
9	Dimercaptosuccinic Acid Functionalized Polystyrene Column for Trace Concentration Determination of Heavy Metal Ions: Experimental and Theoretical Calculation Studies. Water (Switzerland), 2021, 13, 3056.	2.7	4
10	Preconcentration and determination of trace Hg(ii) using ultrasound-assisted dispersive solid phase microextraction. RSC Advances, 2021, 12, 53-61.	3.6	9
11	Accelerated solar steam generation for efficient ions removal. Journal of Colloid and Interface Science, 2020, 560, 103-110.	9.4	49
12	Separation and preconcentration of arsenite and other heavy metal ions using graphene oxide laminated with protein molecules. Journal of Hazardous Materials, 2020, 384, 121479.	12.4	28
13	3D Nanoarchitecture of Polyaniline-MoS2 Hybrid Material for Hg(II) Adsorption Properties. Polymers, 2020, 12, 2731.	4.5	18
14	Effective Enrichment and Quantitative Determination of Trace Hg2+ Ions Using CdS-Decorated Cellulose Nanofibrils. Nanomaterials, 2020, 10, 2218.	4.1	10
15	Avenue to Large-Scale Production of Graphene Quantum Dots from High-Purity Graphene Sheets Using Laboratory-Grade Graphite Electrodes. ACS Omega, 2020, 5, 18831-18841.	3.5	23
16	Aminophosphonic Acid Functionalized Cellulose Nanofibers for Efficient Extraction of Trace Metal Ions. Polymers, 2020, 12, 2370.	4.5	10
17	Improved ion-diffusion assisted uniform growth of 1D CdS nanostructures for enhanced optical and energy storage properties. Applied Surface Science, 2020, 512, 145654.	6.1	9
18	Preconcentration and Determination of Trace Hg(II) Using a Cellulose Nanofiber Mat Functionalized with MoS$_2$ Nanosheets. Industrial & Engineering Chemistry Research, 2020, 59, 3198-3204.	3.7	37

#	Article	IF	Citations
19	Application of magnetiteâ€"graphene oxide for wastewater treatment. , 2019, , 195-203.		0
20	Bioinspired 2D carbon sheets decorated with MnFe2O4 nanoparticles for preconcentration of inorganic arsenic, and its determination by ICP-OES. Mikrochimica Acta, 2019, 186, 649.	5.0	9
21	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. Industrial & Engineering Chemistry Research, 2019, 58, 8309-8316.	3.7	12
22	Separation and preconcentration of Pb(II) and Cd(II) from aqueous samples using hyperbranched polyethyleneimine-functionalized graphene oxide-immobilized polystyrene spherical adsorbents. Microchemical Journal, 2019, 145, 833-842.	4.5	35
23	Preconcentration and speciation of arsenic by using a graphene oxide nanoconstruct functionalized with a hyperbranched polyethyleneimine. Mikrochimica Acta, 2018, 185, 290.	5.0	27
24	Magnetic Fe3O4@poly(methacrylic acid) particles for selective preconcentration of trace arsenic species. Mikrochimica Acta, 2017, 184, 2007-2014.	5.0	26
25	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. Food Chemistry, 2016, 213, 775-783.	8.2	25
26	A graphene oxide decorated with triethylenetetramine-modified magnetite for separation of chromium species prior to their sequential speciation and determination via FAAS. Mikrochimica Acta, 2016, 183, 289-296.	5.0	74
27	Copper selective self-sorting polymeric resin with mixed-mode functionality for column preconcentration and atomic absorption spectrometric determination. RSC Advances, 2016, 6, 5590-5598.	3.6	5
28	Efficacy of dihydroxy-mercaptopyrimidine functionalized polymeric resin for the trace determination of Cd by SPE coupled flame atomic absorption spectrometry. RSC Advances, 2015, 5, 46662-46671.	3.6	8
29	Graphene Oxide Sheets Immobilized Polystyrene for Column Preconcentration and Sensitive Determination of Lead by Flame Atomic Absorption Spectrometry. ACS Applied Materials & Interfaces, 2014, 6, 13257-13265.	8.0	68