

Muhammad Afzal Kamboh

List of Publications by Year in descending order

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35
papers

1,212
citations

331670

21
h-index

377865

34
g-index

36
all docs

36
docs citations

36
times ranked

1362
citing authors

#	ARTICLE	IF	CITATIONS
1	New magnetic graphene-based inorganic-organic sol-gel hybrid nanocomposite for simultaneous analysis of polar and non-polar organophosphorus pesticides from water samples using solid-phase extraction. <i>Chemosphere</i> , 2017, 166, 21-30.	8.2	103
2	Synthesis of Polyaniline-Coated Graphene Oxide@SrTiO ₃ Nanocube Nanocomposites for Enhanced Removal of Carcinogenic Dyes from Aqueous Solution. <i>Polymers</i> , 2016, 8, 305.	4.5	98
3	The removal of organophosphorus pesticides from water using a new amino-substituted calixarene-based magnetic sporopollenin. <i>New Journal of Chemistry</i> , 2016, 40, 3130-3138.	2.8	77
4	A highly efficient calix[4]arene based resin for the removal of azo dyes. <i>Desalination</i> , 2011, 268, 83-89.	8.2	74
5	Synthesis and application of calix[4]arene based resin for the removal of azo dyes. <i>Journal of Hazardous Materials</i> , 2009, 172, 234-239.	12.4	57
6	Synthesis and application of p-tert-butylcalix[8]arene immobilized material for the removal of azo dyes. <i>Journal of Hazardous Materials</i> , 2011, 186, 651-658.	12.4	55
7	Dispersive graphene-based silica coated magnetic nanoparticles as a new adsorbent for preconcentration of chlorinated pesticides from environmental water. <i>RSC Advances</i> , 2015, 5, 76424-76434.	3.6	53
8	Synthesis of N-methylglucamine functionalized calix[4]arene based magnetic sporopollenin for the removal of boron from aqueous environment. <i>Desalination</i> , 2013, 310, 67-74.	8.2	49
9	Magnetic graphene coated inorganic-organic hybrid nanocomposite for enhanced preconcentration of selected pesticides in tomato and grape. <i>Journal of Chromatography A</i> , 2017, 1509, 26-34.	3.7	49
10	New magnetic silica-based hybrid organic-inorganic nanocomposite for the removal of lead(II) and nickel(II) ions from aqueous solutions. <i>Materials Chemistry and Physics</i> , 2019, 226, 73-81.	4.0	49
11	New chrysin-functionalized silica-core shell magnetic nanoparticles for the magnetic solid phase extraction of copper ions from water samples. <i>Talanta</i> , 2016, 148, 191-199.	5.5	47
12	Equilibrium, kinetic and thermodynamic study of pesticides removal from water using novel glucamine-calix[4]arene functionalized magnetic graphene oxide. <i>Environmental Sciences: Processes and Impacts</i> , 2019, 21, 714-726.	3.5	42
13	Magnetic solid phase extraction of polycyclic aromatic hydrocarbons and chlorophenols based on cyano-ionic liquid functionalized magnetic nanoparticles and their determination by HPLC-DAD. <i>RSC Advances</i> , 2016, 6, 77047-77058.	3.6	41
14	Synthesis of piperazine functionalized magnetic sporopollenin: a new organic-inorganic hybrid material for the removal of lead(II) and arsenic(III) from aqueous solution. <i>Environmental Science and Pollution Research</i> , 2017, 24, 21846-21858.	5.3	39
15	Conversion of waste frying oil into biodiesel using recoverable nanocatalyst based on magnetic graphene oxide supported ternary mixed metal oxide nanoparticles. <i>Bioresource Technology</i> , 2021, 323, 124561.	9.6	38
16	Adsorption of direct black-38 azo dye on p-tert-butylcalix[6]arene immobilized material. <i>Arabian Journal of Chemistry</i> , 2014, 7, 125-131.	4.9	34
17	Magnetic sporopollenin-cyanopropyltriethoxysilane-dispersive micro-solid phase extraction coupled with high performance liquid chromatography for the determination of selected non-steroidal anti-inflammatory drugs in water samples. <i>Journal of Chromatography A</i> , 2018, 1532, 50-57.	3.7	34
18	Kinetic and equilibrium adsorption of lead from water using magnetic metformin-substituted SBA-15. <i>Environmental Science: Water Research and Technology</i> , 2018, 4, 549-558.	2.4	25

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19	Magnetic graphene sol-gel hybrid as clean-up adsorbent for acrylamide analysis in food samples prior to GC-MS. <i>Food Chemistry</i> , 2018, 239, 208-216.	8.2	25
20	Nano-Size Biomass Derived from Pomegranate Peel for Enhanced Removal of Cefixime Antibiotic from Aqueous Media: Kinetic, Equilibrium and Thermodynamic Study. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 4223.	2.6	25
21	Nitrile-calixarene grafted magnetic graphene oxide for removal of arsenic from aqueous media: Isotherm, kinetic and thermodynamic studies. <i>Chemosphere</i> , 2021, 268, 129348.	8.2	25
22	Synthesis of calix[6]arene based XAD-4 material for the removal of reactive blue 19 from aqueous environments. <i>Journal of Applied Polymer Science</i> , 2013, 130, 776-785.	2.6	23
23	Green sporopollenin supported cyanocalixarene based magnetic adsorbent for pesticides removal from water: Kinetic and equilibrium studies. <i>Environmental Research</i> , 2021, 201, 111588.	7.5	23
24	Synthesis of Amino-Substituted p-tert-Butylcalix[4]arene for the Removal of Chicago Sky Blue and Tropaeolin 000 Azo Dyes from Aqueous Environment. <i>Water, Air, and Soil Pollution</i> , 2013, 224, 1.	2.4	17
25	Novel Palm Fatty Acid Functionalized Magnetite Nanoparticles for Magnetic Solid-Phase Extraction of Trace Polycyclic Aromatic Hydrocarbons from Environmental Samples. <i>Journal of Oleo Science</i> , 2017, 66, 771-784.	1.4	15
26	Sonodecoration of magnetic phosphonated-functionalized sporopollenin as a novel green nanocomposite for stir bar sorptive dispersive microextraction of melamine in milk and milk-based food products. <i>Food Chemistry</i> , 2021, 341, 128460.	8.2	15
27	Fabrication of calixarene-grafted magnetic nanocomposite for the effective removal of lead(II) from aqueous solution. <i>Environmental Technology (United Kingdom)</i> , 2019, 40, 2482-2493.	2.2	14
28	A novel cyano functionalized silica-titania oxide sol-gel based ionic liquid for the extraction of hazardous chlorophenols from aqueous environments. <i>RSC Advances</i> , 2016, 6, 49358-49369.	3.6	11
29	New sporopollenin-based β -cyclodextrin functionalized magnetic hybrid adsorbent for magnetic solid-phase extraction of nonsteroidal anti-inflammatory drugs from water samples. <i>Royal Society Open Science</i> , 2018, 5, 171311.	2.4	10
30	Sulphonatocalix[8]arene functionalized silica resin for the enhanced removal of methylene blue from wastewater: equilibrium and kinetic study. <i>Separation Science and Technology</i> , 2019, 54, 2240-2251.	2.5	10
31	Adsorption of phenols from contaminated water through titania-silica mixed imidazolium based ionic liquid: Equilibrium, kinetic and thermodynamic modeling studies. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2016, 53, 619-628.	2.2	9
32	Fabrication of calixarene-grafted bio-polymeric magnetic composites for magnetic solid phase extraction of non-steroidal anti-inflammatory drugs in water samples. <i>PeerJ</i> , 2018, 6, e5108.	2.0	9
33	A green method for the quantitative assessment of neutral oil in palm fatty acid distillates by single bounce attenuated total reflectance Fourier-transform infrared spectroscopy. <i>RSC Advances</i> , 2015, 5, 50591-50596.	3.6	7
34	Effect of framework metal ions of analogous magnetic porous coordination polymers on adsorption of cationic and anionic dyes from aqueous solution. <i>Chemical Papers</i> , 2022, 76, 3541-3556.	2.2	3
35	Synthesis of new Zn-decorated metal-organic frameworks for enhanced removal of carcinogenic textile dye: equilibrium and kinetic modeling studies. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2021, 56, 1296-1305.	1.7	2