Arash Asfaram

List of Publications by Year
in descending order

146 papers	10,066 citations	13827 67 h-index	38300 95 g-index
147 all docs	147 docs citations	147 times ranked	7194 citing authors

#	Article	IF	Citations
1	Removal of basic dye Auramine-O by ZnS:Cu nanoparticles loaded on activated carbon: optimization of parameters using response surface methodology with central composite design. RSC Advances, 2015, 5, 18438-18450.	1.7	650
2	Development of a novel three-dimensional magnetic polymer aerogel as an efficient adsorbent for malachite green removal. Journal of Hazardous Materials, 2020, 384, 121394.	6.5	242
3	Modeling of quaternary dyes adsorption onto ZnO–NR–AC artificial neural network: Analysis by derivative spectrophotometry. Journal of Industrial and Engineering Chemistry, 2016, 34, 186-197.	2.9	240
4	Response surface methodology approach for optimization of simultaneous dye and metal ion ultrasound-assisted adsorption onto Mn doped Fe_3O_4-NPs loaded on AC: kinetic and isothermal studies. Dalton Transactions, 2015, 44, 14707-14723.	1.6	230
5	Simultaneous ultrasound-assisted ternary adsorption of dyes onto copper-doped zinc sulfide nanoparticles loaded on activated carbon: Optimization by response surface methodology. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 145, 203-212.	2.0	182
6	Synthesis of magnetic Î³-Fe2O3-based nanomaterial for ultrasonic assisted dyes adsorption: Modeling and optimization. Ultrasonics Sonochemistry, 2016, 32, 418-431.	3.8	174
7	Statistical experimental design, least squares-support vector machine (LS-SVM) and artificial neural network (ANN) methods for modeling the facilitated adsorption of methylene blue dye. RSC Advances, 2016, 6, 40502-40516.	1.7	168
8	Screening and optimization of highly effective ultrasound-assisted simultaneous adsorption of cationic dyes onto Mn-doped Fe3O4-nanoparticle-loaded activated carbon. Ultrasonics Sonochemistry, 2017, 34, 1-12.	3.8	165
9	Comparative study on ultrasonic assisted adsorption of dyes from single system onto Fe3O4 magnetite nanoparticles loaded on activated carbon: Experimental design methodology. Ultrasonics Sonochemistry, 2017, 34, 294-304.	3.8	164
10	The performance of nanorods material as adsorbent for removal of azo dyes and heavy metal ions: Application of ultrasound wave, optimization and modeling. Ultrasonics Sonochemistry, 2017, 34, 792-802.	3.8	153
11	Magnetic nanoparticle based dispersive micro-solid-phase extraction for the determination of malachite green in water samples: optimized experimental design. New Journal of Chemistry, 2015, 39, 9813-9823.	1.4	146
12	Preparation and Characterization of $Mn_{0.4}Zn_{0.6}Fe_2O_4$ Nanoparticles Supported on Dead Cells of *Yarrowia lipolytica* as a Novel and Efficient Adsorbent/Biosorbent Composite for the Removal of Azo Food Dyes: Central Composite Design Optimization Study. ACS Sustainable Chemistry and Engineering, 2018, 6, 4549-4563.	3.2	142
13	Application of machine/statistical learning, artificial intelligence and statistical experimental design for the modeling and optimization of methylene blue and Cd(ii) removal from a binary aqueous solution by natural walnut carbon. Physical Chemistry Chemical Physics, 2017, 19, 11299-11317.	1.3	141
14	Ultrasound-assisted binary adsorption of dyes onto Mn@ CuS/ZnS-NC-AC as a novel adsorbent: Application of chemometrics for optimization and modeling. Journal of Industrial and Engineering Chemistry, 2017, 54, 377-388.	2.9	137
15	Rapid removal of Auramine-O and Methylene blue by ZnS:Cu nanoparticles loaded on activated carbon: A response surface methodology approach. Journal of the Taiwan Institute of Chemical Engineers, 2015, 53, 80-91.	2.7	136
16	Rapid ultrasound-assisted magnetic microextraction of gallic acid from urine, plasma and water samples by HKUST-1-MOF-Fe3O4-GA-MIP-NPs: UV–vis detection and optimization study. Ultrasonics Sonochemistry, 2017, 34, 561-570.	3.8	132
17	Ternary dye adsorption onto MnO_2 nanoparticle-loaded activated carbon: derivative spectrophotometry and modeling. RSC Advances, 2015, 5, 72300-72320.	1.7	129
18	Application of ZnO nanorods loaded on activated carbon for ultrasonic assisted dyes removal: Experimental design and derivative spectrophotometry method. Ultrasonics Sonochemistry, 2016, 33, 197-209.	3.8	127

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19	Hollow porous molecularly imprinted polymer for highly selective clean-up followed by influential preconcentration of ultra-trace glibenclamide from bio-fluid. Journal of Chromatography A, 2017, 1520, 65-74.	1.8	127
20	Isotherms and kinetic study of ultrasound-assisted adsorption of malachite green and Pb2+ ions from aqueous samples by copper sulfide nanorods loaded on activated carbon: Experimental design optimization. Ultrasonics Sonochemistry, 2018, 40, 373-382.	3.8	127
21	Experimental design and modeling of ultrasound assisted simultaneous adsorption of cationic dyes onto ZnS: Mn-NPs-AC from binary mixture. Ultrasonics Sonochemistry, 2016, 33, 77-89.	3.8	125
22	Application of artificial neural network and response surface methodology for the removal of crystal violet by zinc oxide nanorods loaded on activate carbon: kinetics and equilibrium study. Journal of the Taiwan Institute of Chemical Engineers, 2016, 59, 210-220.	2.7	122
23	Preparation of nanomaterials for the ultrasound-enhanced removal of Pb2+ ions and malachite green dye: Chemometric optimization and modeling. Ultrasonics Sonochemistry, 2017, 34, 677-691.	3.8	121
24	Performance of CuS nanoparticle loaded on activated carbon in the adsorption of methylene blue and bromophenol blue dyes in binary aqueous solutions: Using ultrasound power and optimization by central composite design. Journal of Molecular Liquids, 2016, 219, 667-676.	2.3	118
25	Efficient adsorption of Azure B onto CNTs/Zn:ZnO@Ni2P-NCs from aqueous solution in the presence of ultrasound wave based on multivariate optimization. Journal of Industrial and Engineering Chemistry, 2019, 74, 55-62.	2.9	118
26	Response surface methodology approach for optimization of adsorption of Janus Green B from aqueous solution onto ZnO/Zn(OH)2-NP-AC: Kinetic and isotherm study. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2016, 152, 233-240.	2.0	114
27	Ultrasound assisted adsorption of malachite green dye onto ZnS:Cu-NP-AC: Equilibrium isotherms and kinetic studies â€" Response surface optimization. Separation and Purification Technology, 2015, 156, 780-788.	3.9	108
28	Application of hydrophobic deep eutectic solvent as the carrier for ferrofluid: A novel strategy for pre-concentration and determination of mefenamic acid in human urine samples by high performance liquid chromatography under experimental design optimization. Talanta, 2019, 202, 526-530.	2.9	108
29	Design and construction of nanoscale material for ultrasonic assisted adsorption of dyes: Application of derivative spectrophotometry and experimental design methodology. Ultrasonics Sonochemistry, 2017, 35, 112-123.	3.8	107
30	Ultrasound assisted combined molecularly imprinted polymer for selective extraction of nicotinamide in human urine and milk samples: Spectrophotometric determination and optimization study. Ultrasonics Sonochemistry, 2017, 34, 640-650.	3.8	106
31	RSM-CCD design of malachite green adsorption onto activated carbon with multimodal pore size distribution prepared from Amygdalus scoparia: Kinetic and isotherm studies. Polyhedron, 2019, 171, 464-472.	1.0	106
32	Decorating graphene oxide with zeolitic imidazolate framework (ZIF-8) and pseudo-boehmite offers ultra-high adsorption capacity of diclofenac in hospital effluents. Chemosphere, 2021, 271, 129610.	4.2	105
33	Simultaneous removal of dyes onto nanowires adsorbent use of ultrasound assisted adsorption to clean waste water: Chemometrics for modeling and optimization, multicomponent adsorption and kinetic study. Chemical Engineering Research and Design, 2017, 124, 222-237.	2.7	103
34	Ultrasound wave assisted adsorption of congo red using gold-magnetic nanocomposite loaded on activated carbon: Optimization of process parameters. Ultrasonics Sonochemistry, 2018, 46, 99-105.	3.8	100
35	Optimization of ultrasound-assisted dispersive solid-phase microextraction based on nanoparticles followed by spectrophotometry for the simultaneous determination of dyes using experimental design. Ultrasonics Sonochemistry, 2016, 32, 407-417.	3.8	95
36	Optimization of the process parameters for the adsorption of ternary dyes by Ni doped FeO(OH)-NWsâ€"AC using response surface methodology and an artificial neural network. RSC Advances, 2016, 6, 19768-19779.	1.7	95

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37	Magnetic dispersive micro-solid phase extraction with the CuO/ZnO@Fe$_3$O$_4$-CNTs nanocomposite sorbent for the rapid pre-concentration of chlorogenic acid in the medical extract of plants, food, and water samples. Analyst, The, 2019, 144, 2684-2695.	1.7	92
38	Modeling and optimization of simultaneous removal of ternary dyes onto copper sulfide nanoparticles loaded on activated carbon using second-derivative spectrophotometry. Journal of the Taiwan Institute of Chemical Engineers, 2016, 65, 212-224.	2.7	91
39	Modeling and optimization of Hg^{2+} ion biosorption by live yeast Yarrowia lipolytica 70562 from aqueous solutions under artificial neural network-genetic algorithm and response surface methodology: kinetic and equilibrium study. RSC Advances, 2016, 6, 54149-54161.	1.7	90
40	Optimizing adsorptive removal of malachite green and methyl orange dyes from simulated wastewater by Mn–doped CuO–Nanoparticles loaded on activated carbon using CCD–RSM: Mechanism, regeneration, isotherm, kinetic, and thermodynamic studies. Applied Organometallic Chemistry, 2019, 33, e4768.	1.7	88
41	Multi-response optimization of ultrasound assisted competitive adsorption of dyes onto Cu (OH)2-nanoparticle loaded activated carbon: Central composite design. Ultrasonics Sonochemistry, 2017, 34, 343-353.	3.8	87
42	Synthesis of ZnO-nanorod-based materials for antibacterial, antifungal activities, DNA cleavage and efficient ultrasound-assisted dyes adsorption. Ecotoxicology and Environmental Safety, 2017, 142, 330-337.	2.9	84
43	Removal of Direct Red 23 from aqueous solution using corn stalks: Isotherms, kinetics and thermodynamic studies. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 135, 364-372.	2.0	83
44	Rapid adsorption of ternary dye pollutants onto copper (I) oxide nanoparticle loaded on activated carbon: Experimental optimization via response surface methodology. Journal of Environmental Chemical Engineering, 2016, 4, 1769-1779.	3.3	82
45	Removal of Direct Red 12B by garlic peel as a cheap adsorbent: Kinetics, thermodynamic and equilibrium isotherms study of removal. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 127, 415-421.	2.0	81
46	Trace determination of safranin O dye using ultrasound assisted dispersive solid-phase micro extraction: Artificial neural network-genetic algorithm and response surface methodology. Ultrasonics Sonochemistry, 2016, 33, 129-140.	3.8	81
47	Biosorption of Zn^{2+}, Ni^{2+} and Co^{2+} from water samples onto Yarrowia lipolytica ISF7 using a response surface methodology, and analyzed by inductively coupled plasma optical emission spectrometry (ICP-OES). RSC Advances, 2016, 6, 23599-23610.	1.7	80
48	Simple and selective detection of quercetin in extracts of plants and food samples by dispersive-micro-solid phase extraction based on core–shell magnetic molecularly imprinted polymers. New Journal of Chemistry, 2018, 42, 16144-16153.	1.4	80
49	Application of experimental design and derivative spectrophotometry methods in optimization and analysis of biosorption of binary mixtures of basic dyes from aqueous solutions. Ecotoxicology and Environmental Safety, 2017, 139, 219-227.	2.9	79
50	Novel synthesis of nanocomposite for the extraction of Sildenafil Citrate (Viagra) from water and urine samples: Process screening and optimization. Ultrasonics Sonochemistry, 2017, 38, 463-472.	3.8	79
51	Highly efficient simultaneous biosorption of Hg 2+ , Pb 2+ and Cu 2+ by Live yeast Yarrowia lipolytica 70562 following response surface methodology optimization: Kinetic and isotherm study. Journal of Industrial and Engineering Chemistry, 2017, 48, 162-172.	2.9	79
52	Ultrasonic assisted removal of methylene blue on ultrasonically synthesized zinc hydroxide nanoparticles on activated carbon prepared from wood of cherry tree: Experimental design methodology and artificial neural network. Journal of Molecular Liquids, 2017, 229, 114-124.	2.3	79
53	Comparison between dispersive liquid–liquid microextraction and ultrasound-assisted nanoparticles-dispersive solid-phase microextraction combined with microvolume spectrophotometry method for the determination of Auramine-O in water samples. RSC Advances, 2015, 5, 39084-39096.	1.7	78
54	Synthesis and application of Ce-doped TiO2 nanoparticles loaded on activated carbon for ultrasound-assisted adsorption of Basic Red 46 dye. Ultrasonics Sonochemistry, 2019, 58, 104702.	3.8	78

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55	Simultaneous ultrasonic-assisted removal of malachite green and safranin O by copper nanowires loaded on activated carbon: central composite design optimization. RSC Advances, 2015, 5, 57021-57029.	1.7	77
56	Magnetic Cu: CuO-GO nanocomposite for efficient dispersive micro-solid phase extraction of polycyclic aromatic hydrocarbons from vegetable, fruit, and environmental water samples by liquid chromatographic determination. Talanta, 2020, 218, 121131.	2.9	77
57	Cu@SnS/SnO2 nanoparticles as novel sorbent for dispersive micro solid phase extraction of atorvastatin in human plasma and urine samples by high-performance liquid chromatography with UV detection: Application of central composite design (CCD). Ultrasonics Sonochemistry, 2017, 36, 42-49.	3.8	76
58	Synthesis of Fe3O4@CuS@Ni2P-CNTs magnetic nanocomposite for sonochemical-assisted sorption and pre-concentration of trace Allura Red from aqueous samples prior to HPLC-UV detection: CCD-RSM design. Ultrasonics Sonochemistry, 2018, 44, 240-250.	3.8	76
59	Synthesis and characterization of ZnS:Ni-NPs loaded on AC derived from apple tree wood and their applicability for the ultrasound assisted comparative adsorption of cationic dyes based on the experimental design. Ultrasonics Sonochemistry, 2017, 38, 371-380.	3.8	75
60	Biosorption of malachite green by novel biosorbent Yarrowia lipolytica isf7: Application of response surface methodology. Journal of Molecular Liquids, 2016, 214, 249-258.	2.3	74
61	Improved adsorption performance of nanostructured composite by ultrasonic wave: Optimization through response surface methodology, isotherm and kinetic studies. Ultrasonics Sonochemistry, 2017, 37, 94-105.	3.8	74
62	Dispersive micro-solid phase extraction based on Fe_3O_4@SiO_2@Ti-MOF as a magnetic nanocomposite sorbent for the trace analysis of caffeic acid in the medical extracts of plants and water samples prior to HPLC-UV analysis. Analyst, The, 2019, 144, 4351-4361.	1.7	74
63	Cu- and S- @SnO2 nanoparticles loaded on activated carbon for efficient ultrasound assisted dispersive ÂµSPE-spectrophotometric detection of quercetin in Nasturtium officinale extract and fruit juice samples: CCD-RSM design. Ultrasonics Sonochemistry, 2018, 47, 1-9.	3.8	73
64	Random forest model for the ultrasonic-assisted removal of chrysoidine G by copper sulfide nanoparticles loaded on activated carbon; response surface methodology approach. RSC Advances, 2015, 5, 59335-59343.	1.7	72
65	Optimization and modeling of preconcentration and determination of dyes based on ultrasound assisted-dispersive liquidâ€"liquid microextraction coupled with derivative spectrophotometry. Ultrasonics Sonochemistry, 2017, 34, 27-36.	3.8	71
66	Synthesis and characterization of ZnO-nanorods loaded onto activated carbon and its application for efficient solid phase extraction and determination of BG from water samples by micro-volume spectrophotometry. New Journal of Chemistry, 2015, 39, 9407-9414.	1.4	70
67	Optimization of process parameters for determination of trace Hazardous dyes from industrial wastewaters based on nanostructures materials under ultrasound energy. Ultrasonics Sonochemistry, 2018, 40, 238-248.	3.8	69
68	Ultrasound assisted extraction of Maxilon Red GRL dye from water samples using cobalt ferrite nanoparticles loaded on activated carbon as sorbent: Optimization and modeling. Ultrasonics Sonochemistry, 2017, 38, 672-680.	3.8	68
69	Nano-sized FeO@SiO-molecular imprinted polymer as a sorbent for dispersive solid-phase microextraction of melatonin in the methanolic extract of , biological, and water samples. Talanta, 2021, 221, 121620.	2.9	67
70	A ferrofluidic hydrophobic deep eutectic solvent for the extraction of doxycycline from urine, blood plasma and milk samples prior to its determination by high-performance liquid chromatography-ultraviolet. Journal of Chromatography A, 2020, 1613, 460695.	1.8	66
71	Synthesis and characterization of Au-NPs supported on carbon nanotubes: Application for the ultrasound assisted removal of radioactive UO22+ ions following complexation with Arsenazo III: Spectrophotometric detection, optimization, isotherm and kinetic study. Journal of Colloid and Interface Science, 2017, 504, 68-77.	5.0	65
72	Easy-to-prepare graphene oxide/sodium montmorillonite polymer nanocomposite with enhanced adsorption performance. Journal of Water Process Engineering, 2020, 38, 101651.	2.6	65

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73	Comparative studies on removal of Erythrosine using ZnS and AgOH nanoparticles loaded on activated carbon as adsorbents: Kinetic and isotherm studies of adsorption. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 138, 176-186.	2.0	64
74	Simultaneous adsorption of cobalt ions, azo dye, and imidacloprid pesticide on the magnetic chitosan/activated carbon@UiO-66 bio-nanocomposite: Optimization, mechanisms, regeneration, and application. Separation and Purification Technology, 2022, 284, 120258.	3.9	62
75	Magnetic based nanocomposite sorbent combination with ultrasound assisted for solid-phase microextraction of Azure II in water samples prior to its determination spectrophotometric. Journal of Colloid and Interface Science, 2018, 513, 240-250.	5.0	60
76	Synthesis of magnetic tungsten disulfide/carbon nanotubes nanocomposite (WS2/Fe3O4/CNTs-NC) for highly efficient ultrasound-assisted rapid removal of amaranth and brilliant blue FCF hazardous dyes. Journal of Hazardous Materials, 2021, 420, 126644.	6.5	57
77	Comparison between dispersive solid-phase and dispersive liquid–liquid microextraction combined with spectrophotometric determination of malachite green in water samples based on ultrasound-assisted and preconcentration under multi-variable experimental design optimization. Ultrasonics Sonochemistry, 2017, 39, 374-383.	3.8	56
78	Ultrasound-assisted adsorption of Sunset Yellow CFC dye onto Cu doped ZnS nanoparticles loaded on activated carbon using response surface methodology based on central composite design. Journal of Molecular Liquids, 2016, 219, 332-340.	2.3	55
79	Fixed-bed column performances of azure-II and auramine-O adsorption by Pinus eldarica stalks activated carbon and its composite with zno nanoparticles: Optimization by response surface methodology based on central composite design. Journal of Colloid and Interface Science, 2017, 507, 172-189.	5.0	53
80	Application of modified magnetic nanomaterial for optimization of ultrasound-enhanced removal of Pb2+ ions from aqueous solution under experimental design: Investigation of kinetic and isotherm. Ultrasonics Sonochemistry, 2017, 36, 409-419.	3.8	50
81	Multi-responses optimization of simultaneous biosorption of cationic dyes by live yeast Yarrowia lipolytica 70562 from binary solution: Application of first order derivative spectrophotometry. Ecotoxicology and Environmental Safety, 2017, 139, 158-164.	2.9	49
82	Ultrasound-accelerated synthesis of gold nanoparticles modified choline chloride functionalized graphene oxide as a novel sensitive bioelectrochemical sensor: Optimized meloxicam detection using CCD-RSM design and application for human plasma sample. Ultrasonics Sonochemistry, 2018, 42, 776-786.	3.8	47
83	Modeling and optimization of ultrasound-assisted high performance adsorption of Basic Fuchsin by starch-capped zinc selenide nanoparticles/AC as a novel composite using response surface methodology. International Journal of Biological Macromolecules, 2020, 152, 913-921.	3.6	47
84	Preparation of Iodide Selective Carbon Paste Electrode with Modified Carbon Nanotubes by Potentiometric Method and Effect of CuS–NPs on Its Response. Electroanalysis, 2015, 27, 1516-1522.	1.5	46
85	Ultrasonically assisted removal of Congo Red, Phloxine B and Fast green FCF in ternary mixture using novel nanocomposite following their simultaneous analysis by derivative spectrophotometry. Ultrasonics Sonochemistry, 2017, 37, 452-463.	3.8	46
86	Mild synthesis of a Zn(II) metal organic polymer and its hybrid with activated carbon: Application as antibacterial agent and in water treatment by using sonochemistry: Optimization, kinetic and isotherm study. Ultrasonics Sonochemistry, 2018, 41, 389-396.	3.8	46
87	Polyvinyl alcohol/Fe3O4@carbon nanotubes nanocomposite: Electrochemical-assisted synthesis, physicochemical characterization, optical properties, cytotoxicity effects and ultrasound-assisted treatment of aqueous based organic compound. Journal of Industrial and Engineering Chemistry, 2018, 65, 349-362.	2.9	46
88	Ultrasound combined with manganese-oxide nanoparticles loaded on activated carbon for extraction and pre-concentration of thymol and carvacrol in methanolic extracts of *Thymus daenensis*, *Salvia officinalis*, *Stachys pilifera*, *Satureja khuzistanica*, and mentha, and water samples. Analyst, The, 2019, 144, 1923-1934.	1.7	42
89	Application of Response Surface Methodology and Dispersive Liquid–Liquid Microextraction by Microvolume Spectrophotometry Method for Rapid Determination of Curcumin in Water, Wastewater, and Food Samples. Food Analytical Methods, 2016, 9, 1274-1283.	1.3	41
90	Synthesis of nanocomposites of iron oxide/gold (Fe3O4/Au) loaded on activated carbon and their application in water treatment by using sonochemistry: Optimization study. Ultrasonics Sonochemistry, 2018, 41, 279-287.	3.8	41

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91	Kinetics and thermodynamic studies for removal of acid blue 129 from aqueous solution by almond shell. Journal of Environmental Health Science & Engineering, 2014, 12, 62.	1.4	37
92	Removal of methyl orange by multiwall carbon nanotube accelerated by ultrasound devise: Optimized experimental design. Advanced Powder Technology, 2015, 26, 1087-1093.	2.0	36
93	Simultaneous determination of cationic dyes in water samples with dispersive liquid–liquid microextraction followed by spectrophotometry: experimental design methodology. New Journal of Chemistry, 2016, 40, 4793-4802.	1.4	31
94	Statistical optimization and modeling approach for azo dye decolorization: Combined effects of ultrasound waves and nanomaterial–based adsorbent. Applied Organometallic Chemistry, 2018, 32, e4205.	1.7	30
95	Magnetic dual-template molecularly imprinted polymer based on syringe-to-syringe magnetic solid-phase microextraction for selective enrichment of p-Coumaric acid and ferulic acid from pomegranate, grape, and orange samples. Food Chemistry, 2020, 325, 126902.	4.2	30
96	Simultaneous selective enrichment of methylparaben, propylparaben, and butylparaben from cosmetics samples based on syringe-to-syringe magnetic fluid phase microextraction. Talanta, 2021, 221, 121547.	2.9	30
97	Ultrasonic assisted dispersive solid-phase microextraction of Eriochrome Cyanine R from water sample on ultrasonically synthesized lead (II) dioxide nanoparticles loaded on activated carbon: Experimental design methodology. Ultrasonics Sonochemistry, 2017, 34, 317-324.	3.8	29
98	A rapid and efficient sonophotocatalytic process for degradation of pollutants: Statistical modeling and kinetics study. Journal of Molecular Liquids, 2018, 261, 291-302.	2.3	29
99	Antioxidant and protective effect of *Stachys pilifera Benth* against nephrotoxicity induced by cisplatin in rats. Journal of Food Biochemistry, 2020, 44, e13190.	1.2	29
100	Ultrasound-assisted extraction of antimicrobial compounds from Thymus daenensis and Silybum marianum: Antimicrobial activity with and without the presence of natural silver nanoparticles. Ultrasonics Sonochemistry, 2018, 42, 76-83.	3.8	28
101	The potential application of bio-based ceramic/organic xerogel derived from the plant sources: A new green adsorbent for removal of antibiotics from pharmaceutical wastewater. Journal of Hazardous Materials, 2022, 429, 128289.	6.5	28
102	Efficient adsorption of Europhtal onto activated carbon modified with ligands (1E,2E)-1,2-bis(pyridin-4-ylmethylene)hydrazine (M) and (1E,2E)-1,2-bis(pyridin-3-ylmethylene)hydrazine (SCH-4); response surface methodology. RSC Advances, 2015, 5, 42376-42387.	1.7	26
103	Intensified removal of Malachite green by AgOH–AC nanoparticles combined with ultrasound: Modeling and optimization. Applied Organometallic Chemistry, 2017, 31, e3857.	1.7	26
104	Biocompatible chitosan-zinc oxide nanocomposite based dispersive micro-solid phase extraction coupled with HPLC-UV for the determination of rosmarinic acid in the extracts of medical plants and water sample. International Journal of Biological Macromolecules, 2020, 154, 528-537.	3.6	26
105	Ultrasound-assisted solid phase microextraction-HPLC method based on Fe3O4@SiO2-NH2-molecularly imprinted polymer magnetic nano-sorbent for rapid and efficient extraction of harmaline from Peganum harmala extract. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2021, 1171, 122640.	1.2	26
106	A reusable mesoporous adsorbent for efficient treatment of hazardous triphenylmethane dye wastewater: RSM-CCD optimization and rapid microwave-assisted regeneration. Scientific Reports, 2021, 11, 22751.	1.6	26
107	The choice of ultrasound assisted extraction coupled with spectrophotometric for rapid determination of gallic acid in water samples: Central composite design for optimization of process variables. Ultrasonics Sonochemistry, 2017, 34, 692-699.	3.8	24
108	Protective effect of Nasturtium officinale R. Br and quercetin against cyclophosphamide-induced hepatotoxicity in rats. Molecular Biology Reports, 2020, 47, 5001-5012.	1.0	24

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109	Synthesis of a highly porous three-dimensional PVA/GO/ZIF-67 cryogel for the simultaneous treatment of water contaminated with cadmium(II) and lead(II) heavy metal ions. New Journal of Chemistry, 2022, 46, 4449-4461.	1.4	23
110	Magnetic solid lipid nanoparticles co-loaded with albendazole as an anti-parasitic drug: Sonochemical preparation, characterization, and in vitro drug release. Journal of Molecular Liquids, 2018, 268, 11-18.	2.3	20
111	A review on zinc oxide/poly(vinyl alcohol) nanocomposites: Synthesis, characterization and applications. Journal of Cleaner Production, 2022, 362, 132297.	4.6	20
112	Adsorption of naphthalene onto high-surface-area nanoparticle loaded activated carbon by high performance liquid chromatography: response surface methodology, isotherm and kinetic study. RSC Advances, 2016, 6, 54322-54330.	1.7	19
113	Development of an eco-friendly approach based on dispersive liquid–liquid microextraction for the quantitative determination of quercetin in *Nasturtium officinale*, *Apium graveolens*, *Spinacia oleracea*, *Brassica oleracea var. sabellica*, and food samples. New Journal of Chemistry, 2018, 42, 14340-14348.	1.4	19
114	Simultaneous and rapid dye removal in the presence of ultrasound waves and a nano structured material: experimental design methodology, equilibrium and kinetics. RSC Advances, 2016, 6, 66311-66319.	1.7	18
115	Synthesis and characterization of antibacterial chromium iron oxide nanoparticle–loaded activated carbon for ultrasound–assisted wastewater treatment. Applied Organometallic Chemistry, 2018, 32, e3981.	1.7	18
116	Simultaneous elimination of Rhodamine B and Malachite Green dyes from the aqueous sample with magnetic reduced graphene oxide nanocomposite: Optimization using experimental design. Journal of Molecular Liquids, 2021, 343, 117710.	2.3	17
117	Modification of platinum nanoparticles loaded on activated carbon and activated carbon with a new chelating agent for solid phase extraction of some metal ions. Journal of Molecular Liquids, 2016, 221, 748-754.	2.3	16
118	Portulaca oleracea methanolic extract attenuate bile duct ligation-induced acute liver injury through hepatoprotective and anti-inflammatory effects. Heliyon, 2021, 7, e07604.	1.4	16
119	Modified Carbon Paste Electrode for Pb^{2+} Ion Determination: Response Surface Methodology. IEEE Sensors Journal, 2015, 15, 2974-2983.	2.4	15
120	Synthesis of CuS and $ZnO/Zn(OH)_2$ nanoparticles and their evaluation for in vitro antibacterial and antifungal activities. Applied Organometallic Chemistry, 2018, 32, e4398.	1.7	15
121	Nanopowder synthesis of novel Sn(II)-imprinted poly(dimethyl vinylphosphonate) by ultrasound-assisted technique: Adsorption and pre-concentration of Sn(II) from aqueous media and real samples. Ultrasonics Sonochemistry, 2018, 44, 129-136.	3.8	14
122	Synthesis of CuS nanoparticles loaded on activated carbon composite for ultrasound–assisted adsorption removal of dye pollutants: Process optimization using CCD–RSM, equilibrium and kinetic studies. Applied Organometallic Chemistry, 2018, 32, e4350.	1.7	14
123	Visible–light–driven photocatalytic degradation of fenpyroximate in rotating packed bed reactor using $Fe_3O_4@PbS@Ni_2P$ magnetic nanocomposite photocatalyst: Response surface modelling and optimization. Applied Organometallic Chemistry, 2018, 32, e4513.	1.7	13
124	Synthesis of antimicrobial cationic amphiphile functionalized mesocellular silica foam prepared on hard template/support activated carbon for enhanced simultaneous removal of Cu(II) and Zn(II) ions. Journal of Environmental Chemical Engineering, 2018, 6, 4864-4877.	3.3	13
125	One-pot synthesis of magnetic lipid nanoparticles as an efficient sorbent for curcumin determination in magnetic dispersive solid-phase extraction system. European Polymer Journal, 2019, 118, 661-667.	2.6	12
126	Experimental design for the optimization of paraquat removal from aqueous media using a fixed-bed column packed with Pinus Eldarica stalks activated carbon. Chemosphere, 2022, 291, 132670.	4.2	12

#	ARTICLE	IF	CITATIONS
127	Podophyllotoxin extraction from <scp><i>Linum usitatissimum</i></scp> plant and its anticancer activity against HT–29, A–549 and MDA–MB–231 cell lines with and without the presence of gold nanoparticles. Applied Organometallic Chemistry, 2018, 32, e4024.	1.7	11
128	Effective determination of trace residues of glibenclamide in urine samples using dispersive micro solid-phase extraction and its final detection by chromatographic analysis. Analytical Methods, 2019, 11, 627-634.	1.3	11
129	Photoelectro-Fenton/photocatalytic process for decolorization of an organic compound by Ag:Cd-1,4-BDOAH2 nano-photocatalyst: Response surface modeling and central composite design optimization. Journal of Molecular Liquids, 2021, 335, 113689.	2.3	10
130	Effects of Nasturtium officinale Extract on Antioxidant and Biochemical Parameters in Hemodialysis Patients: A Randomized Double-Blind Clinical Trial. Evidence-based Complementary and Alternative Medicine, 2021, 2021, 1-8.	0.5	10
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