

Arash Asfaram

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

143
papers

7,932
citations

60
h-index

85
g-index

147
ext. papers

8,926
ext. citations

5.8
avg, IF

6.96
L-index

#	Paper	IF	Citations
143	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.. <i>Journal of Hazardous Materials</i> , 2022 , 429, 128289	12.8	1
142	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. <i>Separation and Purification Technology</i> , 2022 , 284, 120258	8.3	7
141	A review on zinc oxide/poly(vinyl alcohol) nanocomposites: Synthesis, characterization and applications. <i>Journal of Cleaner Production</i> , 2022 , 362, 132297	10.3	1
140	A reusable mesoporous adsorbent for efficient treatment of hazardous triphenylmethane dye wastewater: RSM-CCD optimization and rapid microwave-assisted regeneration. <i>Scientific Reports</i> , 2021 , 11, 22751	4.9	3
139	Experimental design for the optimization of paraquat removal from aqueous media using a fixed-bed column packed with Pinus Eldarica stalks activated carbon. <i>Chemosphere</i> , 2021 , 132670	8.4	1
138	Ultrasound-assisted solid phase microextraction-HPLC method based on FeO@SiO-NH-molecularly imprinted polymer magnetic nano-sorbent for rapid and efficient extraction of harmaline from Peganum harmala extract. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2021 , 1171, 122640	3.2	8
137	Protective Effects of Hydroalcoholic Extract of Fruit on Vancomycin-Induced Nephrotoxicity in Rats. <i>Journal of Toxicology</i> , 2021 , 2021, 5525714	3.1	4
136	The Effect of the Hydroalcoholic Extract of Watercress on the Levels of Protein Carbonyl, Inflammatory Markers, and Vitamin E in Chronic Hemodialysis Patients. <i>Biochemistry Research International</i> , 2021 , 2021, 5588464	2.4	1
135	Decorating graphene oxide with zeolitic imidazolate framework (ZIF-8) and pseudo-boehmite offers ultra-high adsorption capacity of diclofenac in hospital effluents. <i>Chemosphere</i> , 2021 , 271, 129610	8.4	40
134	methanolic extract attenuate bile duct ligation-induced acute liver injury through hepatoprotective and anti-inflammatory effects. <i>Heliyon</i> , 2021 , 7, e07604	3.6	2
133	Nano-sized FeO@SiO-molecular imprinted polymer as a sorbent for dispersive solid-phase microextraction of melatonin in the methanolic extract of Portulaca oleracea, biological, and water samples. <i>Talanta</i> , 2021 , 221, 121620	6.2	27
132	Simultaneous selective enrichment of methylparaben, propylparaben, and butylparaben from cosmetics samples based on syringe-to-syringe magnetic fluid phase microextraction. <i>Talanta</i> , 2021 , 221, 121547	6.2	7
131	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. <i>Journal of Molecular Liquids</i> , 2021 , 335, 113689	6	5
130	Effects of Extract on Antioxidant and Biochemical Parameters in Hemodialysis Patients: A Randomized Double-Blind Clinical Trial. <i>Evidence-based Complementary and Alternative Medicine</i> , 2021 , 2021, 1632957	2.3	5
129	Simultaneous elimination of Rhodamine B and Malachite Green dyes from the aqueous sample with magnetic reduced graphene oxide nanocomposite: Optimization using experimental design. <i>Journal of Molecular Liquids</i> , 2021 , 343, 117710	6	2
128	Synthesis of magnetic tungsten disulfide/carbon nanotubes nanocomposite (WS/FeO/CNTs-NC) for highly efficient ultrasound-assisted rapid removal of amaranth and brilliant blue FCF hazardous dyes. <i>Journal of Hazardous Materials</i> , 2021 , 420, 126644	12.8	15
127	Highly effective pre-concentration of thymol and carvacrol using nano-sized magnetic molecularly imprinted polymer based on experimental design optimization and their trace determination in summer savoury, Origanum majorana and Origanum vulgare extracts. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2021 , 1182, 122341	3.2	2

126	A new approach for microextraction of trace albendazole sulfoxide drug from the samples of human plasma and urine, and water by the molecularly imprinted polymer nanoparticles combined with HPLC. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2020 , 1158, 122249	3.2	3
125	Protective effect of Nasturtium officinale R. Br and quercetin against cyclophosphamide-induced hepatotoxicity in rats. <i>Molecular Biology Reports</i> , 2020 , 47, 5001-5012	2.8	9
124	Antioxidant and protective effect of Stachys pilifera Benth against nephrotoxicity induced by cisplatin in rats. <i>Journal of Food Biochemistry</i> , 2020 , 44, e13190	3.3	20
123	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. <i>International Journal of Biological Macromolecules</i> , 2020 , 154, 528-537	7.9	17
122	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. <i>International Journal of Biological Macromolecules</i> , 2020 , 152, 913-921	7.9	20
121	Comparative study of ability of sonochemistry combined ZnS:Ni nanoparticles-loaded activated carbon in reductive of organic pollutants from environmental water samples. <i>Polyhedron</i> , 2020 , 180, 114341	2.7	3
120	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. <i>Food Chemistry</i> , 2020 , 325, 126902	8.5	17
119	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. <i>Talanta</i> , 2020 , 218, 121131	6.2	34
118	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. <i>Journal of Chromatography A</i> , 2020 , 1613, 460695	4.5	38
117	Rapid ultrasound-assisted microextraction of atorvastatin in the sample of blood plasma by nickel metal organic modified with alumina nanoparticles. <i>Journal of Separation Science</i> , 2020 , 43, 4469-4479	3.4	2
116	Easy-to-prepare graphene oxide/sodium montmorillonite polymer nanocomposite with enhanced adsorption performance. <i>Journal of Water Process Engineering</i> , 2020 , 38, 101651	6.7	32
115	Development of a novel three-dimensional magnetic polymer aerogel as an efficient adsorbent for malachite green removal. <i>Journal of Hazardous Materials</i> , 2020 , 384, 121394	12.8	139
114	Ultrasound combined with manganese-oxide nanoparticles loaded on activated carbon for extraction and pre-concentration of thymol and carvacrol in methanolic extracts of <i>Thymus daenensis</i> , <i>Salvia officinalis</i> , <i>Stachys pilifera</i> , <i>Satureja khuzistanica</i> , and <i>mentha</i> , and water samples. <i>Analyst, The</i> , 2019 , 144, 1923-1934	5	36
113	Effective determination of trace residues of glibenclamide in urine samples using dispersive micro solid-phase extraction and its final detection by chromatographic analysis. <i>Analytical Methods</i> , 2019 , 11, 627-634	3.2	11
112	Dispersive micro-solid phase extraction based on FeO@SiO@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. <i>Analyst, The</i> , 2019 , 144, 4351-4361	5	50
111	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. <i>Talanta</i> , 2019 , 202, 526-530	6.2	81
110	Magnetic dispersive micro-solid phase extraction with the CuO/ZnO@FeO-CNTs nanocomposite sorbent for the rapid pre-concentration of chlorogenic acid in the medical extract of plants, food, and water samples. <i>Analyst, The</i> , 2019 , 144, 2684-2695	5	76
109	RSM-CCD design of malachite green adsorption onto activated carbon with multimodal pore size distribution prepared from <i>Amygdalus scoparia</i> : Kinetic and isotherm studies. <i>Polyhedron</i> , 2019 , 171, 464-472	2.7	43

108	Synthesis and application of Ce-doped TiO nanoparticles loaded on activated carbon for ultrasound-assisted adsorption of Basic Red 46 dye. <i>Ultrasonics Sonochemistry</i> , 2019 , 58, 104702	8.9	38
107	One-pot synthesis of magnetic lipid nanoparticles as an efficient sorbent for curcumin determination in magnetic dispersive solid-phase extraction system. <i>European Polymer Journal</i> , 2019 , 118, 661-667	5.2	10
106	Efficient adsorption of Azure B onto CNTs/Zn:ZnO@Ni ₂ P-NCs from aqueous solution in the presence of ultrasound wave based on multivariate optimization. <i>Journal of Industrial and Engineering Chemistry</i> , 2019 , 74, 55-62	6.3	81
105	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. <i>Applied Organometallic Chemistry</i> , 2018 , 32, e4205 ^{3,1}	3.1	41
104	Preparation and Characterization of Mn _{0.4} Zn _{0.6} Fe ₂ O ₄ Nanoparticles Supported on Dead Cells of <i>Yarrowia lipolytica</i> as a Novel and Efficient Adsorbent/Biosorbent Composite for the Removal of Azo Food Dyes: Central Composite Design Optimization Study. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 4549-4563	8.3	121
103	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. <i>Ultrasonics Sonochemistry</i> , 2018 , 44, 129-136	8.9	8
102	Synthesis of FeO@CuS@NiP-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. <i>Ultrasonics Sonochemistry</i> , 2018 , 44, 240-250	8.9	69
101	Statistical optimization and modeling approach for azo dye decolorization: Combined effects of ultrasound waves and nanomaterial-based adsorbent. <i>Applied Organometallic Chemistry</i> , 2018 , 32, e4205 ^{3,1}	3.1	22
100	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. <i>Ultrasonics Sonochemistry</i> , 2018 , 42, 776-786	8.9	36
99	Synthesis of CuS and ZnO/Zn(OH) ₂ nanoparticles and their evaluation for in vitro antibacterial and antifungal activities. <i>Applied Organometallic Chemistry</i> , 2018 , 32, e4398	3.1	12
98	Cu- and S- @SnO nanoparticles loaded on activated carbon for efficient ultrasound assisted dispersive μ SPE-spectrophotometric detection of quercetin in <i>Nasturtium officinale</i> extract and fruit juice samples: CCD-RSM design. <i>Ultrasonics Sonochemistry</i> , 2018 , 47, 1-9	8.9	61
97	A rapid and efficient sonophotocatalytic process for degradation of pollutants: Statistical modeling and kinetics study. <i>Journal of Molecular Liquids</i> , 2018 , 261, 291-302	6	23
96	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. <i>Applied Organometallic Chemistry</i> , 2018 , 32, e4350	3.1	8
95	Ultrasound wave assisted adsorption of congo red using gold-magnetic nanocomposite loaded on activated carbon: Optimization of process parameters. <i>Ultrasonics Sonochemistry</i> , 2018 , 46, 99-105	8.9	82
94	Isotherms and kinetic study of ultrasound-assisted adsorption of malachite green and Pb ions from aqueous samples by copper sulfide nanorods loaded on activated carbon: Experimental design optimization. <i>Ultrasonics Sonochemistry</i> , 2018 , 40, 373-382	8.9	103
93	Synthesis and characterization of SnO ₂ /(NH ₄) ₂ -SnCl ₆ nanocomposites loaded on activated carbon and its application for adsorption of methylene Blue and Orange G. <i>Applied Organometallic Chemistry</i> , 2018 , 32, e3903	3.1	1
92	Optimization of process parameters for determination of trace Hazardous dyes from industrial wastewaters based on nanostructures materials under ultrasound energy. <i>Ultrasonics Sonochemistry</i> , 2018 , 40, 238-248	8.9	61
91	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. <i>Ultrasonics Sonochemistry</i> , 2018 , 41, 389-396	8.9	38

90	Synthesis and characterization of antibacterial chromium iron oxide nanoparticle-loaded activated carbon for ultrasound-assisted wastewater treatment. <i>Applied Organometallic Chemistry</i> , 2018 , 32, e3981	3.1	14
89	Synthesis of nanocomposites of iron oxide/gold (FeO/Au) loaded on activated carbon and their application in water treatment by using sonochemistry: Optimization study. <i>Ultrasonics Sonochemistry</i> , 2018 , 41, 279-287	8.9	33
88	Visible-light-driven photocatalytic degradation of fenpyroximate in rotating packed bed reactor using Fe ₃ O ₄ @PbS@Ni ₂ P magnetic nanocomposite photocatalyst: Response surface modelling and optimization. <i>Applied Organometallic Chemistry</i> , 2018 , 32, e4513	3.1	11
87	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. <i>New Journal of Chemistry</i> , 2018 , 42, 14340-14348	3.6	14
86	Magnetic solid lipid nanoparticles co-loaded with albendazole as an anti-parasitic drug: Sonochemical preparation, characterization, and in vitro drug release. <i>Journal of Molecular Liquids</i> , 2018 , 268, 11-18	6	11
85	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. <i>Journal of Environmental Chemical Engineering</i> , 2018 , 6, 4864-4877	6.8	11
84	Ultrasound-assisted extraction of antimicrobial compounds from Thymus daenensis and Silybum marianum: Antimicrobial activity with and without the presence of natural silver nanoparticles. <i>Ultrasonics Sonochemistry</i> , 2018 , 42, 76-83	8.9	19
83	Podophyllotoxin extraction from Linum usitatissimum plant and its anticancer activity against HT-29, A-549 and MDA-MB-231 cell lines with and without the presence of gold nanoparticles. <i>Applied Organometallic Chemistry</i> , 2018 , 32, e4024	3.1	7
82	Magnetic based nanocomposite sorbent combination with ultrasound assisted for solid-phase microextraction of Azure II in water samples prior to its determination spectrophotometric. <i>Journal of Colloid and Interface Science</i> , 2018 , 513, 240-250	9.3	51
81	A molecularly imprinted polymer coupled with high-performance liquid chromatography-UV for the determination of albendazole in plasma and urine samples: CCD-RSM design. <i>New Journal of Chemistry</i> , 2018 , 42, 15937-15945	3.6	6
80	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. <i>New Journal of Chemistry</i> , 2018 , 42, 16144-16153	3.6	57
79	Polyvinyl alcohol/Fe ₃ O ₄ @carbon nanotubes nanocomposite: Electrochemical-assisted synthesis, physicochemical characterization, optical properties, cytotoxicity effects and ultrasound-assisted treatment of aqueous based organic compound. <i>Journal of Industrial and Engineering Chemistry</i> , 2018 , 67, 218-226	6.3	38
78	Rapid ultrasound-assisted magnetic microextraction of gallic acid from urine, plasma and water samples by HKUST-1-MOF-FeO-GA-MIP-NPs: UV-vis detection and optimization study. <i>Ultrasonics Sonochemistry</i> , 2017 , 34, 561-570	8.9	109
77	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. <i>Ultrasonics Sonochemistry</i> , 2017 , 34, 317-324	8.9	28
76	Multi-response optimization of ultrasound assisted competitive adsorption of dyes onto Cu (OH)-nanoparticle loaded activated carbon: Central composite design. <i>Ultrasonics Sonochemistry</i> , 2017 , 34, 343-353	8.9	76
75	Ultrasound assisted combined molecularly imprinted polymer for selective extraction of nicotinamide in human urine and milk samples: Spectrophotometric determination and optimization study. <i>Ultrasonics Sonochemistry</i> , 2017 , 34, 640-650	8.9	88
74	Comparative study on ultrasonic assisted adsorption of dyes from single system onto FeO magnetite nanoparticles loaded on activated carbon: Experimental design methodology. <i>Ultrasonics Sonochemistry</i> , 2017 , 34, 294-304	8.9	125
73	Screening and optimization of highly effective ultrasound-assisted simultaneous adsorption of cationic dyes onto Mn-doped FeO-nanoparticle-loaded activated carbon. <i>Ultrasonics Sonochemistry</i> , 2017 , 34, 1-12	8.9	132

72	Optimization and modeling of preconcentration and determination of dyes based on ultrasound assisted-dispersive liquid-liquid microextraction coupled with derivative spectrophotometry. <i>Ultrasonics Sonochemistry</i> , 2017 , 34, 27-36	8.9	61
71	Preparation of nanomaterials for the ultrasound-enhanced removal of Pb ions and malachite green dye: Chemometric optimization and modeling. <i>Ultrasonics Sonochemistry</i> , 2017 , 34, 677-691	8.9	105
70	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. <i>Ultrasonics Sonochemistry</i> , 2017 , 37, 452-463	8.9	38
69	Application of experimental design and derivative spectrophotometry methods in optimization and analysis of biosorption of binary mixtures of basic dyes from aqueous solutions. <i>Ecotoxicology and Environmental Safety</i> , 2017 , 139, 219-227	7	72
68	Multi-responses optimization of simultaneous biosorption of cationic dyes by live yeast <i>Yarrowia lipolytica</i> 70562 from binary solution: Application of first order derivative spectrophotometry. <i>Ecotoxicology and Environmental Safety</i> , 2017 , 139, 158-164	7	38
67	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. <i>Ultrasonics Sonochemistry</i> , 2017 , 36, 274-282	8.9	49
66	Intensified removal of Malachite green by AgOH-AC nanoparticles combined with ultrasound: Modeling and optimization. <i>Applied Organometallic Chemistry</i> , 2017 , 31, e3857	3.1	16
65	Synthesis and characterization of Au-NPs supported on carbon nanotubes: Application for the ultrasound assisted removal of radioactive UO ions following complexation with Arsenazo III: Spectrophotometric detection, optimization, isotherm and kinetic study. <i>Journal of Colloid and Interface Science</i> , 2017 , 504, 68-77	9.3	47
64	Synthesis of ZnO-nanorod-based materials for antibacterial, antifungal activities, DNA cleavage and efficient ultrasound-assisted dyes adsorption. <i>Ecotoxicology and Environmental Safety</i> , 2017 , 142, 330-337	7	73
63	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. <i>Chemical Engineering Research and Design</i> , 2017 , 124, 222-237	5.5	86
62	Ultrasound-assisted binary adsorption of dyes onto Mn@ CuS/ZnS-NC-AC as a novel adsorbent: Application of chemometrics for optimization and modeling. <i>Journal of Industrial and Engineering Chemistry</i> , 2017 , 54, 377-388	6.3	113
61	Ultrasonic treatment of wastewater contaminated with various dyes using tin oxide hydroxide nanoparticles loaded on activated carbon: Synthesis, performance, mechanism and statistical optimization. <i>Applied Organometallic Chemistry</i> , 2017 , 31, e3860	3.1	5
60	Ultrasonic treatment of water contaminated with various pollutants onto copper nanowires loaded on activated carbon using response surface methodology and artificial intelligent. <i>Applied Organometallic Chemistry</i> , 2017 , 31, e3878	3.1	
59	Novel synthesis of nanocomposite for the extraction of Sildenafil Citrate (Viagra) from water and urine samples: Process screening and optimization. <i>Ultrasonics Sonochemistry</i> , 2017 , 38, 463-472	8.9	76
58	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. <i>Ultrasonics Sonochemistry</i> , 2017 , 38, 371-380	8.9	67
57	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. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 11299-11317	3.6	97
56	Highly efficient simultaneous biosorption of Hg ²⁺ , Pb ²⁺ and Cu ²⁺ by Live yeast <i>Yarrowia lipolytica</i> 70562 following response surface methodology optimization: Kinetic and isotherm study. <i>Journal of Industrial and Engineering Chemistry</i> , 2017 , 48, 162-172	6.3	72
55	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. <i>Journal of Molecular Liquids</i> , 2017 , 229, 114-124	6	66

54	Application of modified magnetic nanomaterial for optimization of ultrasound-enhanced removal of Pb ions from aqueous solution under experimental design: Investigation of kinetic and isotherm. <i>Ultrasonics Sonochemistry</i> , 2017 , 36, 409-419	8.9	42
53	Hollow porous molecularly imprinted polymer for highly selective clean-up followed by influential preconcentration of ultra-trace glibenclamide from bio-fluid. <i>Journal of Chromatography A</i> , 2017 , 1520, 65-74	4.5	118
52	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. <i>Journal of Colloid and Interface Science</i> , 2017 , 507, 172-189	9.3	42
51	Cu@SnS/SnO 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). <i>Ultrasonics Sonochemistry</i> , 2017 , 36, 42-49	8.9	68
50	Ultrasound assisted extraction of Maxilon Red GRL dye from water samples using cobalt ferrite nanoparticles loaded on activated carbon as sorbent: Optimization and modeling. <i>Ultrasonics Sonochemistry</i> , 2017 , 38, 672-680	8.9	53
49	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. <i>Ultrasonics Sonochemistry</i> , 2017 , 34, 692-699	8.9	18
48	The performance of nanorods material as adsorbent for removal of azo dyes and heavy metal ions: Application of ultrasound wave, optimization and modeling. <i>Ultrasonics Sonochemistry</i> , 2017 , 34, 792-802	8.9	127
47	Improved adsorption performance of nanostructured composite by ultrasonic wave: Optimization through response surface methodology, isotherm and kinetic studies. <i>Ultrasonics Sonochemistry</i> , 2017 , 37, 94-105	8.9	65
46	Design and construction of nanoscale material for ultrasonic assisted adsorption of dyes: Application of derivative spectrophotometry and experimental design methodology. <i>Ultrasonics Sonochemistry</i> , 2017 , 35, 112-123	8.9	77
45	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. <i>Food Analytical Methods</i> , 2016 , 9, 1274-1283	3.4	36
44	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. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016 , 59, 210-220	5.3	95
43	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. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016 , 152, 233-40	4.4	98
42	Adsorption of naphthalene onto high-surface-area nanoparticle loaded activated carbon by high performance liquid chromatography: response surface methodology, isotherm and kinetic study. <i>RSC Advances</i> , 2016 , 6, 54322-54330	3.7	14
41	Modification of platinum nanoparticles loaded on activated carbon and activated carbon with a new chelating agent for solid phase extraction of some metal ions. <i>Journal of Molecular Liquids</i> , 2016 , 221, 748-754	6	13
40	Modeling and optimization of simultaneous removal of ternary dyes onto copper sulfide nanoparticles loaded on activated carbon using second-derivative spectrophotometry. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016 , 65, 212-224	5.3	83
39	Simultaneous determination of cationic dyes in water samples with dispersive liquid-liquid microextraction followed by spectrophotometry: experimental design methodology. <i>New Journal of Chemistry</i> , 2016 , 40, 4793-4802	3.6	29
38	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. <i>Journal of Molecular Liquids</i> , 2016 , 219, 332-340	6	45
37	Optimization of the process parameters for the adsorption of ternary dyes by Ni doped FeO(OH)-NWS/AC using response surface methodology and an artificial neural network. <i>RSC Advances</i> , 2016 , 6, 19768-19779	3.7	83

36	Biosorption of Zn ²⁺ , Ni ²⁺ and Co ²⁺ from water samples onto <i>Yarrowia lipolytica</i> ISF7 using a response surface methodology, and analyzed by inductively coupled plasma optical emission spectrometry (ICP-OES). <i>RSC Advances</i> , 2016 , 6, 23599-23610	3.7	74
35	Biosorption of malachite green by novel biosorbent <i>Yarrowia lipolytica</i> isf7: Application of response surface methodology. <i>Journal of Molecular Liquids</i> , 2016 , 214, 249-258	6	69
34	Modeling of quaternary dyes adsorption onto ZnO/NRAC artificial neural network: Analysis by derivative spectrophotometry. <i>Journal of Industrial and Engineering Chemistry</i> , 2016 , 34, 186-197	6.3	230
33	Simultaneous and rapid dye removal in the presence of ultrasound waves and a nano structured material: experimental design methodology, equilibrium and kinetics. <i>RSC Advances</i> , 2016 , 6, 66311-66319	3.7	15
32	Modeling and optimization of Hg ²⁺ ion biosorption by live yeast <i>Yarrowia lipolytica</i> 70562 from aqueous solutions under artificial neural network-genetic algorithm and response surface methodology: kinetic and equilibrium study. <i>RSC Advances</i> , 2016 , 6, 54149-54161	3.7	64
31	Optimization of ultrasound-assisted dispersive solid-phase microextraction based on nanoparticles followed by spectrophotometry for the simultaneous determination of dyes using experimental design. <i>Ultrasonics Sonochemistry</i> , 2016 , 32, 407-417	8.9	81
30	Rapid adsorption of ternary dye pollutants onto copper (I) oxide nanoparticle loaded on activated carbon: Experimental optimization via response surface methodology. <i>Journal of Environmental Chemical Engineering</i> , 2016 , 4, 1769-1779	6.8	72
29	Synthesis of magnetic Fe ₂ O ₃ -based nanomaterial for ultrasonic assisted dyes adsorption: Modeling and optimization. <i>Ultrasonics Sonochemistry</i> , 2016 , 32, 418-431	8.9	154
28	Experimental design and modeling of ultrasound assisted simultaneous adsorption of cationic dyes onto ZnS: Mn-NPs-AC from binary mixture. <i>Ultrasonics Sonochemistry</i> , 2016 , 33, 77-89	8.9	110
27	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. <i>Journal of Molecular Liquids</i> , 2016 , 219, 667-676	6	103
26	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. <i>RSC Advances</i> , 2016 , 6, 40502-40516	3.7	141
25	Trace determination of safranin O dye using ultrasound assisted dispersive solid-phase micro extraction: Artificial neural network-genetic algorithm and response surface methodology. <i>Ultrasonics Sonochemistry</i> , 2016 , 33, 129-140	8.9	66
24	Application of ZnO nanorods loaded on activated carbon for ultrasonic assisted dyes removal: Experimental design and derivative spectrophotometry method. <i>Ultrasonics Sonochemistry</i> , 2016 , 33, 197-209	8.9	114
23	Simultaneous ultrasound-assisted ternary adsorption of dyes onto copper-doped zinc sulfide nanoparticles loaded on activated carbon: optimization by response surface methodology. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015 , 145, 203-212	4.4	166
22	Random forest model for the ultrasonic-assisted removal of chrysoidine G by copper sulfide nanoparticles loaded on activated carbon; response surface methodology approach. <i>RSC Advances</i> , 2015 , 5, 59335-59343	3.7	66
21	Simultaneous ultrasonic-assisted removal of malachite green and safranin O by copper nanowires loaded on activated carbon: central composite design optimization. <i>RSC Advances</i> , 2015 , 5, 57021-57029	3.7	70
20	Response surface methodology approach for optimization of simultaneous dye and metal ion ultrasound-assisted adsorption onto Mn doped Fe ₃ O ₄ -NPs loaded on AC: kinetic and isothermal studies. <i>Dalton Transactions</i> , 2015 , 44, 14707-23	4.3	212
19	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. <i>RSC Advances</i> , 2015 , 5, 99981-99991	3.7	67

18	Preparation of Iodide Selective Carbon Paste Electrode with Modified Carbon Nanotubes by Potentiometric Method and Effect of CuS-NPs on Its Response. <i>Electroanalysis</i> , 2015 , 27, 1516-1522	3	39
17	Rapid removal of Auramine-O and Methylene blue by ZnS:Cu nanoparticles loaded on activated carbon: A response surface methodology approach. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015 , 53, 80-91	5.3	118
16	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. <i>RSC Advances</i> , 2015 , 5, 42376-42387	3.7	22
15	Ternary dye adsorption onto MnO ₂ nanoparticle-loaded activated carbon: derivative spectrophotometry and modeling. <i>RSC Advances</i> , 2015 , 5, 72300-72320	3.7	113
14	Magnetic nanoparticle based dispersive micro-solid-phase extraction for the determination of malachite green in water samples: optimized experimental design. <i>New Journal of Chemistry</i> , 2015 , 39, 9813-9823	3.6	132
13	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. <i>New Journal of Chemistry</i> , 2015 , 39, 9407-9414	3.6	66
12	Ultrasound assisted adsorption of malachite green dye onto ZnS:Cu-NP-AC: Equilibrium isotherms and kinetic studies [Response surface optimization. <i>Separation and Purification Technology</i> , 2015 , 156, 780-788	8.3	95
11	Comparative studies on removal of Erythrosine using ZnS and AgOH nanoparticles loaded on activated carbon as adsorbents: Kinetic and isotherm studies of adsorption. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015 , 138, 176-86	4.4	59
10	Removal of Direct Red 23 from aqueous solution using corn stalks: isotherms, kinetics and thermodynamic studies. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015 , 135, 364-72	4.4	74
9	Removal of methyl orange by multiwall carbon nanotube accelerated by ultrasound devise: Optimized experimental design. <i>Advanced Powder Technology</i> , 2015 , 26, 1087-1093	4.6	30
8	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. <i>RSC Advances</i> , 2015 , 5, 18438-18450	3.7	599
7	Modified Carbon Paste Electrode for Pb ²⁺ Ion Determination: Response Surface Methodology. <i>IEEE Sensors Journal</i> , 2015 , 15, 2974-2983	4	13
6	Assessment of PCBs, heavy metals (Cd, Co, Ni, Pb), mercury and methyl mercury content in four fish commonly consumed in Iran. <i>Toxicology and Environmental Health Sciences</i> , 2014 , 6, 119-126	1.9	4
5	Kinetics and thermodynamic studies for removal of acid blue 129 from aqueous solution by almond shell. <i>Journal of Environmental Health Science & Engineering</i> , 2014 , 12, 62	2.9	28
4	Removal of Direct Red 12B by garlic peel as a cheap adsorbent: kinetics, thermodynamic and equilibrium isotherms study of removal. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014 , 127, 415-21	4.4	67
3	Synthesis of highly porous three-dimensional PVA/GO/ZIF-67 cryogel for the simultaneous treatment of waters contaminated with cadmium (II) and lead (II) heavy metal ions. <i>New Journal of Chemistry</i> ,	3.6	4
2	Designing, modelling, and optimising amido black and Eosin B dyes adsorption on MWCNT/ZrO ₂ /Pb nanocomposites from aqueous solution by response surface methodology. <i>International Journal of Environmental Analytical Chemistry</i> , 1-19	1.8	
1	Ultrasound assisted solid phase extraction of methylene blue dye by MgSiO ₃ nanoparticles through central composite design. <i>International Journal of Environmental Analytical Chemistry</i> , 1-21	1.8	0

