

Alireza Goudarzi

List of Publications by Year in descending order

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35
papers

2,306
citations

279487

23
h-index

360668

35
g-index

35
all docs

35
docs citations

35
times ranked

2361
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	2.0	182
2	Synthesis of magnetic Fe_3O_4 -based nanomaterial for ultrasonic assisted dyes adsorption: Modeling and optimization. <i>Ultrasonics Sonochemistry</i> , 2016, 32, 418-431.	3.8	174
3	Screening and optimization of highly effective ultrasound-assisted simultaneous adsorption of cationic dyes onto Mn-doped Fe_3O_4 -nanoparticle-loaded activated carbon. <i>Ultrasonics Sonochemistry</i> , 2017, 34, 1-12.	3.8	165
4	Ultrasonic enhancement of the simultaneous removal of quaternary toxic organic dyes by CuO nanoparticles loaded on activated carbon: Central composite design, kinetic and isotherm study. <i>Ultrasonics Sonochemistry</i> , 2016, 31, 546-557.	3.8	149
5	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.	1.4	146
6	Ternary dye adsorption onto MnO_2 nanoparticle-loaded activated carbon: derivative spectrophotometry and modeling. <i>RSC Advances</i> , 2015, 5, 72300-72320.	1.7	129
7	Preparation of nanomaterials for the ultrasound-enhanced removal of Pb^{2+} ions and malachite green dye: Chemometric optimization and modeling. <i>Ultrasonics Sonochemistry</i> , 2017, 34, 677-691.	3.8	121
8	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.	3.9	108
9	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.	3.8	107
10	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.	3.8	95
11	Optimization of the process parameters for the adsorption of ternary dyes by Ni doped $\text{FeO}(\text{OH})$ -NWs@AC using response surface methodology and an artificial neural network. <i>RSC Advances</i> , 2016, 6, 19768-19779.	1.7	95
12	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> , 2019, 33, e4768.	1.7	88
13	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, 39084-39096.	1.7	78
14	$\text{Cu}@\text{SnS}/\text{SnO}_2$ 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.	3.8	76
15	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.	3.8	74
16	Cu- and S-@ SnO_2 nanoparticles loaded on activated carbon for efficient ultrasound assisted dispersive μSPE -spectrophotometric detection of quercetin in Nasturtium officinale extract and fruit juice samples: CCD-RSM design. <i>Ultrasonics Sonochemistry</i> , 2018, 47, 1-9.	3.8	73
17	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.	1.4	70
18	Assessment of localization and degradation of ZnO nano-particles in the PLA/PCL biocompatible blend through a comprehensive rheological characterization. <i>Polymer Degradation and Stability</i> , 2018, 158, 136-147.	2.7	64

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19	Fabrication and characterization of nano-structured ZnS thin films as the buffer layers in solar cells. <i>RSC Advances</i> , 2014, 4, 59764-59771.	1.7	44
20	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 mentha, and water samples. <i>Analyst</i> , The, 2019, 144, 1923-1934.	1.7	42
21	Hybridization as an efficient strategy for enhancing the performance of polymer nanocomposites. <i>Polymer Composites</i> , 2021, 42, 6801-6815.	2.3	33
22	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.	3.6	26
23	Growth of nanocrystalline CuS thin films at room temperature by a facile chemical deposition method. <i>RSC Advances</i> , 2015, 5, 77354-77361.	1.7	25
24	ZnO nanoparticles as chain elasticity reducer and structural elasticity enhancer: Correlating the degradating role and localization of ZnO with the morphological and mechanical properties of PLA/PP/ZnO nanocomposite. <i>Polymers for Advanced Technologies</i> , 2019, 30, 1083-1095.	1.6	20
25	Preparation and study on the optical, mechanical, and antibacterial properties of polylactic acid/ZnO/TiO ₂ shared nanocomposites. <i>Journal of Plastic Film and Sheeting</i> , 2020, 36, 285-311.	1.3	18
26	Optimization of solid phase dispersive field-assisted ultrasonication for the extraction of auramine O and crystal violet dyes using central composite design. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4181.	1.7	16
27	Are zinc oxide nanoparticles safe? A structural study on human serum albumin using <i>in vitro</i> and <i>in silico</i> methods. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, 39, 330-335.	2.0	15
28	Fabrication and Characterization of Polyethylene Nanocomposite Films Containing Zinc Oxide (ZnO) Nanoparticles Synthesized by a Cost-Effective and Safe Method. <i>Journal of Macromolecular Science - Physics</i> , 2018, 57, 645-659.	0.4	14
29	Optimization of Xanthan Gum/Poly(acrylic acid)/Cloisite 15A Semi-IPN Hydrogels for Heavy Metals Removal. <i>Journal of Polymers and the Environment</i> , 2022, 30, 4271-4286.	2.4	14
30	Poly(acrylic acid)/gum arabic/ZnO semi-IPN hydrogels: synthesis, characterization and their optimizations by response surface methodology. <i>Iranian Polymer Journal (English Edition)</i> , 2021, 30, 655-674.	1.3	13
31	Investigation of phytochemical and antimicrobial properties of <i>Linum usitatissimum</i> in presence of ZnO/Zn(OH) ₂ nanoparticles and extraction of euphol from <i>Euphorbia microsciadia</i> . <i>Desalination and Water Treatment</i> , 2016, 57, 20597-20607.	1.0	11
32	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.	1.3	11
33	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.	1.7	8
34	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.	1.7	1
35	Photocatalytic Analysis of a Hydrophilic Acrylic Coating/ Zinc Oxide Nanocomposite on Glass Substrate. <i>Polymer-Plastics Technology and Materials</i> , 2021, 60, 1220-1232.	0.6	1