

Kheibar Dashtian

List of Publications by Year in descending order

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89
papers

5,245
citations

57631

44
h-index

88477

70
g-index

89
all docs

89
docs citations

89
times ranked

4224
citing authors

#	ARTICLE	IF	CITATIONS
1	Bi/BiPO ₄ nanocubes supported BiOI-BiOCl nanoplate as a heterostructured blue-light-driven photocatalyst for degradation of Auramine O. <i>Polyhedron</i> , 2022, 212, 115539.	1.0	6
2	S-scheme NIR-edge Ag ₃ CuS ₂ /VO ₂ heterostructure for photo-oxidation/reduction of methylene blue/Cr (VI). <i>Applied Surface Science</i> , 2022, 590, 153118.	3.1	18
3	Molecular Imprinted Poly(2,5-benzimidazole)-Modified VO ₂ •CuWO ₄ Homotype Heterojunction for Photoelectrochemical Dopamine Sensing. <i>Analytical Chemistry</i> , 2022, 94, 6781-6790.	3.2	35
4	Electrocatalytic membrane containing CuFeO ₂ /nanoporous carbon for organic dye removal application. <i>Chemical Engineering Research and Design</i> , 2022, 183, 345-356.	2.7	5
5	Processing Guar Gum into polyester fabric based promising mixed matrix membrane for water treatment. <i>Carbohydrate Polymers</i> , 2021, 254, 116806.	5.1	19
6	Ti-Based Solid-State Imprinted-Cu ₂ O/CuInSe ₂ Heterojunction Photoelectrochemical platform for Highly Selective Dopamine Monitoring. <i>Sensors and Actuators B: Chemical</i> , 2021, 326, 128824.	4.0	58
7	Robust charge carrier by Fe ₃ O ₄ in Fe ₃ O ₄ /WO ₃ core-shell photocatalyst loaded on UiO-66(Ti) for urea photo-oxidation. <i>Chemosphere</i> , 2021, 267, 129206.	4.2	16
8	Ce/Eu redox couple functionalized HKUST-1 MOF insight to sono-photodegradation of malathion. <i>Journal of Hazardous Materials</i> , 2021, 409, 124478.	6.5	54
9	Fe ₃ O ₄ -FeMoS ₄ : Promise magnetite LDH-based adsorbent for simultaneous removal of Pb (II), Cd (II), and Cu (II) heavy metal ions. <i>Journal of Hazardous Materials</i> , 2021, 410, 124560.	6.5	113
10	Application of magnetic nanomaterials in electroanalytical methods: A review. <i>Talanta</i> , 2021, 225, 121974.	2.9	36
11	An asymmetric Schiff base-functionalized gold nanoparticle-based colorimetric sensor for Hg ²⁺ ion determination: experimental and DFT studies. <i>Analytical Methods</i> , 2021, 13, 2603-2611.	1.3	22
12	Hierarchical Fe ₂ O ₃ /Na ₂ WO ₄ Nanofibers Supported on Conductive Carbon Cloth as a High-Performance Supercapacitor. <i>Energy & Fuels</i> , 2021, 35, 11551-11562.	2.5	13
13	Highly selective MXene/V ₂ O ₅ /CuWO ₄ -based ultra-sensitive room temperature ammonia sensor. <i>Journal of Hazardous Materials</i> , 2021, 416, 126196.	6.5	36
14	Gold anchoring to CuFe ₂ F ₈ (H ₂ O) ₂ oxyfluoride for robust sono-photodegradation of Rhodamine-B. <i>Journal of Cleaner Production</i> , 2021, 313, 127916.	4.6	24
15	A review on metal-organic frameworks photoelectrochemistry: A headlight for future applications. <i>Coordination Chemistry Reviews</i> , 2021, 445, 214097.	9.5	70
16	Hydrophilic magnetic molecularly imprinted resin in PVDF membrane for efficient selective removal of dye. <i>Journal of Environmental Management</i> , 2021, 300, 113707.	3.8	25
17	Colorimetric determination of F-, Br- and I- ions by Ehrlich's bio-reagent oxidation over enzyme mimic like gold nanoparticles: Peroxidase-like activity and multivariate optimization. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 226, 117606.	2.0	14
18	Fe/Co-chalcogenide-stabilized Fe ₃ O ₄ nanoparticles supported MgAl-layered double hydroxide as a new magnetically separable sorbent for the simultaneous spectrophotometric determination of anionic dyes. <i>Microchemical Journal</i> , 2020, 152, 104431.	2.3	31

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19	A dual surface inorganic molecularly imprinted Bi ₂ WO ₆ -CuO/Ag ₂ O heterostructure with enhanced activity-selectivity towards the photocatalytic degradation of target contaminantst. Photochemical and Photobiological Sciences, 2020, 19, 943-955.	1.6	25
20	Development of Cigarette Carbonaceous Hydrochar/ZIF-67-Based Fluids for CO ₂ Capture from a Gas Stream in a Packed Column: Mass-Transfer Performance Evaluation. Energy & Fuels, 2020, 34, 7295-7306.	2.5	18
21	Fluid based cigarette carbonaceous hydrochar supported ZIF-8 MOF for CO ₂ capture process: The engineering parameters determination for the packed bed column design. Chemical Engineering and Processing: Process Intensification, 2020, 153, 108001.	1.8	13
22	Corn derivative mesoporous carbon microspheres supported hydrophilic polydopamine for development of new membrane: Water treatment containing bovine serum albumin. Chemosphere, 2020, 259, 127440.	4.2	18
23	L-phenylalanine-imprinted polydopamine-coated CdS/CdSe n-n type II heterojunction as an ultrasensitive photoelectrochemical biosensor for the PKU monitoring. Biosensors and Bioelectronics, 2020, 165, 112346.	5.3	76
24	Developing a new colorimetric bioassay for iodide determination based on gold supported iridium peroxidase catalysts. New Journal of Chemistry, 2020, 44, 5588-5597.	1.4	3
25	LiO-66(Ti)-Fe ₃ O ₄ -WO ₃ photocatalyst for efficient ammonia degradation from wastewater into continuous flow-loop thin film slurry flat-plate photoreactor. Journal of Hazardous Materials, 2020, 393, 122360.	6.5	74
26	Fe ₃ O ₄ -Based Melamine-Rich Covalent Organic Polymer for Simultaneous Removal of Auramine O and Rhodamine B. Journal of Chemical & Engineering Data, 2020, 65, 696-705.	1.0	52
27	Electrostatically controlled plasmonic effects of gold nanoparticles with indigo-carmin functionation for rapid and straightforward colorimetric detection of Cu ²⁺ ions. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 230, 118026.	2.0	17
28	New MOF/COF Hybrid as a Robust Adsorbent for Simultaneous Removal of Auramine O and Rhodamine B Dyes. ACS Omega, 2020, 5, 9420-9428.	1.6	95
29	A study to assess the knowledge and practice of medical professionals on radiation protection in interventional radiology. Indian Journal of Radiology and Imaging, 2020, 30, 64-69.	0.3	11
30	Bi ₂ WO ₆ /Ag ₃ PO ₄ Ag Z-scheme heterojunction as a new plasmonic visible-light-driven photocatalyst: performance evaluation and mechanism study. New Journal of Chemistry, 2019, 43, 1275-1284.	1.4	58
31	Natural Source-Based Graphene as Sensitising Agents for Air Quality Monitoring. Scientific Reports, 2019, 9, 3798.	1.6	32
32	One step integration of plasmonic Ag ₂ CrO ₄ /Ag/AgCl into HKUST-1-MOF as novel visible-light driven photocatalyst for highly efficient degradation of mixture dyes pollutants: Its photocatalytic mechanism and modeling. Polyhedron, 2019, 166, 217-225.	1.0	47
33	Photo-Sensitive Pb ₅ S ₂ I ₆ crystal incorporated polydopamine biointerface coated on nanoporous TiO ₂ as an efficient signal-on photoelectrochemical bioassay for ultrasensitive detection of Cr(VI) ions. Biosensors and Bioelectronics, 2019, 132, 105-114.	5.3	76
34	A Bi ₂ WO ₆ /Ag ₂ S/ZnS Z-scheme heterojunction photocatalyst with enhanced visible-light photoactivity towards the degradation of multiple dye pollutants. RSC Advances, 2019, 9, 30100-30111.	1.7	39
35	Potentiometric Ion-Selective Electrode Based on a New Single Crystal Cadmium(II) Schiff Base Complex for Detection of Fluoride Ion: Central Composite Design Optimization. IEEE Sensors Journal, 2019, 19, 413-425.	2.4	18
36	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. ACS Sustainable Chemistry and Engineering, 2018, 6, 4549-4563.	3.2	142

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37	Sonochemical incorporated of cytosine in Cu-H ₂ bpdC as an antibacterial agent against standard and clinical strains of <i>Proteus mirabilis</i> with <i>rsbA</i> gene. <i>Ultrasonics Sonochemistry</i> , 2018, 44, 223-230.	3.8	15
38	Novel visible light-driven Cu-based MOFs/Ag ₂ O composite photocatalysts with enhanced photocatalytic activity toward the degradation of orange G: their photocatalytic mechanism and optimization study. <i>New Journal of Chemistry</i> , 2018, 42, 9720-9734.	1.4	65
39	Sonochemical-solvothermal synthesis of guanine embedded copper based metal-organic framework (MOF) and its effect on <i>oprD</i> gene expression in clinical and standard strains of <i>Pseudomonas aeruginosa</i> . <i>Ultrasonics Sonochemistry</i> , 2018, 42, 237-243.	3.8	39
40	Achieving enhanced blue-light-driven photocatalysis using nanosword-like VO ₂ /CuWO ₄ type II n heterojunction. <i>Chemical Engineering Journal</i> , 2018, 339, 189-203.	6.6	123
41	A simple approach for the sonochemical loading of Au, Ag and Pd nanoparticle on functionalized MWCNT and subsequent dispersion studies for removal of organic dyes: Artificial neural network and response surface methodology studies. <i>Ultrasonics Sonochemistry</i> , 2018, 42, 422-433.	3.8	36
42	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
43	Simultaneous removal of Cu ²⁺ and Cr ³⁺ ions from aqueous solution based on Complexation with Eriochrome cyanine-R and derivative spectrophotometric method. <i>Applied Organometallic Chemistry</i> , 2018, 32, e3918.	1.7	11
44	Preparation of chitosan functionalized end-capped Ag-NPs and composited with Fe ₃ O ₄ -NPs: Controlled release to pH-responsive delivery of progesterone and antibacterial activity against <i>Pseudomonas aeruginosa</i> (PAO-1). <i>Applied Organometallic Chemistry</i> , 2018, 32, e3921.	1.7	17
45	In vitro curcumin delivery and antibacterial activity of RuS ₂ and RuO ₂ nanoparticles loaded chitosan biopolymer. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4035.	1.7	3
46	Use of metal composite MOF ₅ -Ag ₂ O-NPs as an adsorbent for the removal of Auramine O dye under ultrasound energy conditions. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4007.	1.7	42
47	Adsorption of semisoft pollutants onto Bi ₂ S ₃ /Ag ₂ S-AC under the influence of ultrasonic waves as external field. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 60, 390-400.	2.9	62
48	Zinc oxide nanorod-loaded activated carbon for ultrasound-assisted adsorption of safranin O: Central composite design and genetic algorithm optimization. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4099.	1.7	32
49	CO ₂ capture by amine-based aqueous solution containing atorvastatin functionalized mesocellular silica foam in a counter-current rotating packed bed: Central composite design modeling. <i>Chemical Engineering Research and Design</i> , 2018, 129, 64-74.	2.7	50
50	Sonochemical-assisted synthesis of CuO/Cu ₂ O/Cu nanoparticles as efficient photocatalyst for simultaneous degradation of pollutant dyes in rotating packed bed reactor: LED illumination and central composite design optimization. <i>Ultrasonics Sonochemistry</i> , 2018, 40, 601-610.	3.8	202
51	Preparation and characterization of monoliths HKUST-1 MOF <i>via</i> straightforward conversion of Cu(OH) ₂ -based monoliths and its application for wastewater treatment: artificial neural network and central composite design modeling. <i>New Journal of Chemistry</i> , 2018, 42, 10327-10336.	1.4	35
52	Rapid ultrasound-assisted magnetic microextraction of gallic acid from urine, plasma and water samples by HKUST-1-MOF-Fe ₃ O ₄ -GA-MIP-NPs: UV-vis detection and optimization study. <i>Ultrasonics Sonochemistry</i> , 2017, 34, 561-570.	3.8	132
53	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.	3.8	106
54	Ag ₃ PO ₄ /AgBr/Ag-HKUST-1-MOF composites as novel blue LED light active photocatalyst for enhanced degradation of ternary mixture of dyes in a rotating packed bed reactor. <i>Chemical Engineering and Processing: Process Intensification</i> , 2017, 114, 24-38.	1.8	94

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55	Synthesis and characterization of functionalized mesoporous SBA-15 decorated with Fe ₃ O ₄ nanoparticles for removal of Ce(III) ions from aqueous solution: ICP-OES detection and central composite design optimization. <i>Journal of Colloid and Interface Science</i> , 2017, 494, 114-123.	5.0	97
56	Chitosan extraction from lobster shells and its grafted with functionalized MWCNT for simultaneous removal of Pb ²⁺ ions and eriochrome cyanine R dye after their complexation. <i>International Journal of Biological Macromolecules</i> , 2017, 102, 181-191.	3.6	54
57	An easily organic-inorganic hybrid optical sensor based on dithizone impregnation on mesoporous SBA-15 for simultaneous detection and removal of Pb(II) ions from water samples: Response surface methodology. <i>Applied Organometallic Chemistry</i> , 2017, 31, e3842.	1.7	36
58	Design of a new technique based on combination of ultrasound waves via magnetite solid phase and cloud point microextraction for determination of Cr(III) ions. <i>Ultrasonics Sonochemistry</i> , 2017, 39, 798-809.	3.8	52
59	Simultaneous removal of Cd(II), Ni(II), Pb(II) and Cu(II) ions via their complexation with HBANSA based on a combined ultrasound-assisted and cloud point adsorption method using CSG-BiPO ₄ /FePO ₄ as novel adsorbent: FAAS detection and optimization process. <i>Journal of Colloid and Interface Science</i> , 2017, 500, 241-252.	5.0	53
60	Efficient adsorption of erythrosine and sunset yellow onto modified palladium nanoparticles with a 2-diamine compound: Application of multivariate technique. <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 48, 43-55.	2.9	20
61	MOF-5(Zn)-Fe ₂ O ₄ nanocomposite based magnetic solid-phase microextraction followed by HPLC-UV for efficient enrichment of colchicine in root of colchicum extracts and plasma samples. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1067, 45-52.	1.2	42
62	Application of central composite design for optimization of preconcentration and determination of La (III) ion in water samples using the SBA-15-HESI and SBA-15-HESI-Fe ₃ O ₄ -NPs sorbents. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 5233-5240.	3.3	31
63	ZnO nanoparticles loaded different mesh size of porous activated carbon prepared from <i>Pinus eldarica</i> and its effects on simultaneous removal of dyes: Multivariate optimization. <i>Chemical Engineering Research and Design</i> , 2017, 125, 408-421.	2.7	46
64	Rapid and high-capacity ultrasonic assisted adsorption of ternary toxic anionic dyes onto MOF-5-activated carbon: Artificial neural networks, partial least squares, desirability function and isotherm and kinetic study. <i>Ultrasonics Sonochemistry</i> , 2017, 37, 71-82.	3.8	85
65	Preparation and characterization of a novel optical chemical sensor for determination of trace amounts of Praseodymium ion by UV/Vis spectrophotometry. <i>Sensors and Actuators B: Chemical</i> , 2017, 242, 586-594.	4.0	34
66	Simultaneous removing of Pb ²⁺ ions and alizarin red S dye after their complexation by ultrasonic waves coupled adsorption process: Spectrophotometry detection and optimization study. <i>Ultrasonics Sonochemistry</i> , 2017, 35, 51-60.	3.8	57
67	Lead (II) adsorption from aqueous solutions onto modified Ag nanoparticles: Modeling and optimization. <i>Environmental Progress and Sustainable Energy</i> , 2016, 35, 743-749.	1.3	14
68	Sonophotocatalytic degradation of trypan blue and vesuvine dyes in the presence of blue light active photocatalyst of Ag ₃ PO ₄ /Bi ₂ S ₃ -HKUST-1-MOF: Central composite optimization and synergistic effect study. <i>Ultrasonics Sonochemistry</i> , 2016, 32, 387-397.	3.8	136
69	Central composite design and genetic algorithm applied for the optimization of ultrasonic-assisted removal of malachite green by ZnO Nanorod-loaded activated carbon. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 167, 157-164.	2.0	114
70	Novel nanorose-like Ce(III)-doped and undoped Cu(II)-biphenyl-4,4-dicarboxylic acid (Cu(II)-BPDCA) MOFs as visible light photocatalysts: synthesis, characterization, photodegradation of toxic dyes and optimization. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 11278-11287.	1.3	73
71	A hybrid model of support vector regression with genetic algorithm for forecasting adsorption of malachite green onto multi-walled carbon nanotubes: central composite design optimization. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 13310-13321.	1.3	37
72	Sonochemical assisted hydrothermal synthesis of ZnO: Cr nanoparticles loaded activated carbon for simultaneous ultrasound-assisted adsorption of ternary toxic organic dye: Derivative spectrophotometric, optimization, kinetic and isotherm study. <i>Ultrasonics Sonochemistry</i> , 2016, 32, 119-131.	3.8	110

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73	Ultrasonic-assisted magnetic solid phase extraction of morphine in urine samples by new imprinted polymer-supported on MWCNT-Fe ₃ O ₄ -NPs: Central composite design optimization. <i>Ultrasonics Sonochemistry</i> , 2016, 33, 240-248.	3.8	100
74	Preparation of silver nanoparticle loaded on activated carbon and its application for removal of malachite green from aqueous solution. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2016, , 00-00.	0.6	15
75	Back propagation artificial neural network and central composite design modeling of operational parameter impact for sunset yellow and azur (II) adsorption onto MWCNT and MWCNT-Pd-NPs: Isotherm and kinetic study. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2016, 159, 127-137.	1.8	60
76	HKUST-1-MOF@BiVO ₄ hybrid as a new sonophotocatalyst for simultaneous degradation of disulfine blue and rose bengal dyes: optimization and statistical modelling. <i>RSC Advances</i> , 2016, 6, 61516-61527.	1.7	66
77	BiPO ₄ /Bi ₂ S ₃ -HKUST-1-MOF as a novel blue light-driven photocatalyst for simultaneous degradation of toluidine blue and auramine-O dyes in a new rotating packed bed reactor: optimization and comparison to a conventional reactor. <i>RSC Advances</i> , 2016, 6, 63667-63680.	1.7	103
78	Ultrasonically assisted hydrothermal synthesis of activated carbon@HKUST-1-MOF hybrid for efficient simultaneous ultrasound-assisted removal of ternary organic dyes and antibacterial investigation: Taguchi optimization. <i>Ultrasonics Sonochemistry</i> , 2016, 31, 383-393.	3.8	267
79	Photocatalytic degradation of binary mixture of toxic dyes by HKUST-1 MOF and HKUST-1-SBA-15 in a rotating packed bed reactor under blue LED illumination: central composite design optimization. <i>RSC Advances</i> , 2016, 6, 17204-17214.	1.7	140
80	Adsorption of methyl red onto palladium nanoparticles loaded on activated carbon: experimental design optimization. <i>Desalination and Water Treatment</i> , 2016, 57, 22646-22654.	1.0	21
81	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
82	Preparation and characterization of an AC@Fe ₃ O ₄ @Au hybrid for the simultaneous removal of Cd ²⁺ , Pb ²⁺ , Cr ³⁺ and Ni ²⁺ ions from aqueous solution via complexation with 2-((2,4-dichloro-benzylidene)-amino)-benzenethiol: Taguchi optimization. <i>RSC Advances</i> , 2016, 6, 19780-19791.	1.7	67
83	Highly efficient simultaneous ultrasonic assisted adsorption of brilliant green and eosin B onto ZnS nanoparticles loaded activated carbon: Artificial neural network modeling and central composite design optimization. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 153, 257-267.	2.0	160
84	Enhanced simultaneous removal of malachite green and safranin O by ZnO nanorod-loaded activated carbon: modeling, optimization and adsorption isotherms. <i>New Journal of Chemistry</i> , 2015, 39, 7998-8005.	1.4	130
85	Ultrasound-assisted removal of Al ³⁺ ions and Alizarin red S by activated carbon engrafted with Ag nanoparticles: central composite design and genetic algorithm optimization. <i>RSC Advances</i> , 2015, 5, 59522-59532.	1.7	109
86	Preparation and characterization of MWCNTs functionalized by N-(3-nitrobenzylidene)-N'-trimethoxysilylpropyl-ethane-1,2-diamine for the removal of aluminum(III) ions via complexation with eriochrome cyanine R: spectrophotometric detection and optimization. <i>RSC Advances</i> , 2015, 5, 61060-61069.	1.7	94
87	Schiff Base Impregnated Plasticized Polyvinyl Chloride Optical Sensor for Selective and Efficient Detection of Copper (II) Ion: Central Composite Design. <i>IEEE Sensors Journal</i> , 2015, 15, 6604-6610.	2.4	11
88	Simultaneous removal of methylene blue and Pb ²⁺ ions using ruthenium nanoparticle-loaded activated carbon: response surface methodology. <i>RSC Advances</i> , 2015, 5, 83427-83435.	1.7	83
89	New ion-imprinted polymer-functionalized mesoporous SBA-15 for selective separation and preconcentration of Cr(III) ions: modeling and optimization. <i>RSC Advances</i> , 2015, 5, 105789-105799.	1.7	90