

Esraa M Bakhsh

List of Publications by Citations

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59
papers

734
citations

16
h-index

25
g-index

72
ext. papers

1,099
ext. citations

5
avg, IF

5.09
L-index

#	Paper	IF	Citations
59	Mechanical and radiation shielding properties of tellurite glasses doped with ZnO and NiO. <i>Ceramics International</i> , 2020 , 46, 19078-19083	5.1	82
58	Synthesis and characterization of metal nanoparticles templated chitosan-SiO catalyst for the reduction of nitrophenols and dyes. <i>Carbohydrate Polymers</i> , 2018 , 192, 217-230	10.3	78
57	Anti-bacterial PES-cellulose composite spheres: dual character toward extraction and catalytic reduction of nitrophenol. <i>RSC Advances</i> , 2016 , 6, 110077-110090	3.7	67
56	Performance of cellulose acetate-ferric oxide nanocomposite supported metal catalysts toward the reduction of environmental pollutants. <i>International Journal of Biological Macromolecules</i> , 2018 , 107, 668-677	7.9	41
55	Electrochemical detection and catalytic removal of 4-nitrophenol using CeO ₂ -Cu ₂ O and CeO ₂ -Cu ₂ O/CH nanocomposites. <i>Applied Surface Science</i> , 2019 , 492, 726-735	6.7	38
54	Copper nanoparticles embedded chitosan for efficient detection and reduction of nitroaniline. <i>International Journal of Biological Macromolecules</i> , 2019 , 131, 666-675	7.9	34
53	Efficient electrochemical detection and extraction of copper ions using ZnSe@CdSe/SiO ₂ core-shell nanomaterial. <i>Journal of Industrial and Engineering Chemistry</i> , 2019 , 73, 118-127	6.3	25
52	Exploration of calcium doped zinc oxide nanoparticles as selective adsorbent for extraction of lead ion. <i>Desalination and Water Treatment</i> , 2016 , 57, 19311-19320		25
51	Metal nanoparticles decorated sodium alginate-carbon nitride composite beads as effective catalyst for the reduction of organic pollutants. <i>International Journal of Biological Macromolecules</i> , 2020 , 164, 1087-1098	7.9	24
50	Cellulose acetate-Ce/Zr@Cu catalyst for the degradation of organic pollutant. <i>International Journal of Biological Macromolecules</i> , 2020 , 153, 806-816	7.9	23
49	Selective adsorption of 4-chlorophenol based on silica-ionic liquid composite developed by sol-gel process. <i>Chemical Engineering Journal</i> , 2017 , 326, 794-802	14.7	21
48	Chitosan coated NiAl layered double hydroxide microsphere templated zero-valent metal NPs for environmental remediation. <i>Journal of Cleaner Production</i> , 2021 , 285, 124830	10.3	21
47	Lignocellulosic biomass supported metal nanoparticles for the catalytic reduction of organic pollutants. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 823-836	5.1	20
46	Potential application of Allium Cepa seeds as a novel biosorbent for efficient biosorption of heavy metals ions from aqueous solution. <i>Chemosphere</i> , 2021 , 279, 130545	8.4	19
45	A template of cellulose acetate polymer-ZnAl/C layered double hydroxide composite fabricated with Ni NPs: Applications in the hydrogenation of nitrophenols and dyes degradation. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020 , 241, 118671	4.4	17
44	Cerium oxide-cadmium oxide nanomaterial as efficient extractant for yttrium ions. <i>Journal of Molecular Liquids</i> , 2018 , 269, 252-259	6	17
43	Polymer supported metallic nanoparticles as a solid catalyst for the removal of organic pollutants. <i>Cellulose</i> , 2020 , 27, 5907-5921	5.5	15

42	Carboxymethyl cellulose nanocomposite beads as super-efficient catalyst for the reduction of organic and inorganic pollutants. <i>International Journal of Biological Macromolecules</i> , 2021 , 167, 101-116	7.9	15
41	Design of chitosan nanocomposite hydrogel for sensitive detection and removal of organic pollutants. <i>International Journal of Biological Macromolecules</i> , 2020 , 159, 276-286	7.9	13
40	Effect of short time ball milling on physicochemical and adsorption performance of activated carbon prepared from mangosteen peel waste. <i>Renewable Energy</i> , 2021 , 168, 723-733	8.1	12
39	Poly(propylene carbonate)/exfoliated graphite nanocomposites: Selective adsorbent for the extraction and detection of gold(III). <i>Bulletin of Materials Science</i> , 2015 , 38, 327-333	1.7	10
38	Silica Gel Supported Hydrophobic Ionic Liquid for Selective Extraction and Determination of Coumarin. <i>American Journal of Analytical Chemistry</i> , 2013 , 04, 8-16	0.7	10
37	Biomass impregnated zero-valent Ag and Cu supported-catalyst: Evaluation in the reduction of nitrophenol and discoloration of dyes in aqueous medium. <i>Journal of Organometallic Chemistry</i> , 2021 , 938, 121756	2.3	9
36	Iron doped nanocomposites based efficient catalyst for hydrogen production and reduction of organic pollutant. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 608, 125502	5.1	9
35	Adsorptive removal of lanthanum based on hydrothermally synthesized iron oxide-titanium oxide nanoparticles. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 5408-5417	5.1	8
34	Cellulose acetate-iron oxide nanocomposites for trace detection of fluorene from water samples by solid-phase extraction technique. <i>Separation Science and Technology</i> , 2018 , 53, 887-895	2.5	7
33	Design of simple and efficient metal nanoparticles templated on ZnO-chitosan coated textile cotton towards the catalytic reduction of organic pollutants. <i>Journal of Industrial Textiles</i> , 2020 , 152808372093148	1.6	6
32	Zn/Fe nanocomposite based efficient electrochemical sensor for the simultaneous detection of metal ions. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2021 , 130, 114671	3	6
31	Synthesis of zero-valent Au nanoparticles on chitosan coated NiAl layered double hydroxide microspheres for the discoloration of dyes in aqueous medium. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 250, 119370	4.4	5
30	Development of alginate@tin oxide-cobalt oxide nanocomposite based catalyst for the treatment of wastewater. <i>International Journal of Biological Macromolecules</i> , 2021 , 187, 386-398	7.9	5
29	Removal of hexavalent chromium from aqueous solutions using NiBiO ₂ nanomaterials. <i>Bulletin of Materials Science</i> , 2019 , 42, 1	1.7	4
28	Development of PU-TZnO solid-phase extractor for selective detection of mercury in complex matrices. <i>Polymer Composites</i> , 2017 , 38, 2106-2112	3	3
27	Photocatalytic degradation of organic dyes by U ₃ MnO ₁₀ nanoparticles under UV and sunlight. <i>Inorganic Chemistry Communication</i> , 2021 , 109075	3.1	3
26	Reduction of nitrophenol isomers and degradation of azo dyes through zero-valent Ni nanoparticles anchored on cellulose acetate coated Ce/Zr composite. <i>Journal of Water Process Engineering</i> , 2021 , 44, 102383	6.7	3
25	Sodium alginate nanocomposite based efficient system for the removal of organic and inorganic pollutants from wastewater. <i>International Journal of Biological Macromolecules</i> , 2021 , 191, 243-254	7.9	3

24	Copper Oxide-Antimony Oxide Entrapped Alginate Hydrogel as Efficient Catalyst for Selective Reduction of 2-Nitrophenol.. <i>Polymers</i> , 2022 , 14,	4.5	2
23	Phenolic water toxins: redox mechanism and method of their detection in water and wastewater.. <i>RSC Advances</i> , 2021 , 11, 35783-35795	3.7	2
22	Metal nanoparticles supported chitosan coated carboxymethyl cellulose beads as a catalyst for the selective removal of 4-nitrophenol. <i>Chemosphere</i> , 2021 , 291, 133010	8.4	2
21	Super adsorption performance of carboxymethyl cellulose/copper oxide-nickel oxide nanocomposite toward the removal of organic and inorganic pollutants. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 38476-38496	5.1	2
20	Photo-degradation, Thermodynamic and Kinetic study of Carcinogenic Dyes via Zinc Oxide/Graphene oxide Nanocomposites. <i>Journal of Materials Research and Technology</i> , 2021 ,	5.5	2
19	Design of efficient solar photocatalytic system for hydrogen production and degradation of environmental pollutant. <i>Journal of Materials Research and Technology</i> , 2021 , 14, 2497-2512	5.5	2
18	Enhanced catalytic reduction/degradation of organic pollutants and antimicrobial activity with metallic nanoparticles immobilized on copolymer modified with NaY zeolite films. <i>Journal of Molecular Liquids</i> , 2022 , 359, 119246	6	2
17	Adsorption efficiency of date palm based activated carbon-alginate membrane for methylene blue.. <i>Chemosphere</i> , 2022 , 302, 134793	8.4	2
16	Assessment of cellulose acetate/manganese oxide thin film as adsorbent for selective extraction of flavone. <i>Bulletin of Materials Science</i> , 2018 , 41, 1	1.7	1
15	Kinetics and thermodynamic study of Calligonum polygonoides pyrolysis using model-free methods. <i>Chemical Engineering Research and Design</i> , 2022 , 160, 130-130	5.5	1
14	Alginate/Banana Waste Beads Supported Metal Nanoparticles for Efficient Water Remediation. <i>Polymers</i> , 2021 , 13,	4.5	1
13	Nanostructured Materials and their Potential as Electrochemical Sensors. <i>Current Nanoscience</i> , 2020 , 16, 534-543	1.4	1
12	Bimetallic cobalt-iron diselenide nanorod modified glassy carbon electrode: an electrochemical sensing platform for the selective detection of isoniazid.. <i>RSC Advances</i> , 2021 , 11, 12649-12657	3.7	1
11	Nigella sativa L. seeds extract assisted synthesis of silver nanoparticles and their antibacterial and catalytic performance. <i>Applied Nanoscience (Switzerland)</i> ,1	3.3	1
10	Modification of cellulose filter paper with bimetal nanoparticles for catalytic reduction of nitroaromatics in water. <i>Cellulose</i> , 2021 , 28, 11067	5.5	1
9	Structural, optical and photocatalytic properties of silver-doped magnesia: computational and experimental study. <i>Journal of Molecular Liquids</i> , 2021 , 339, 117176	6	1
8	Nickel oxide and carboxymethyl cellulose composite beads as catalyst for the pollutant degradation. <i>Applied Nanoscience (Switzerland)</i> ,1	3.3	1
7	Highly efficient and recoverable Ag-Cu bimetallic catalyst supported on taro-rhizome powder applied for nitroarenes and dyes reduction. <i>Journal of Materials Research and Technology</i> , 2022 , 18, 769-787	5.5	1

6	Clove oil-mediated green synthesis of silver-doped cadmium sulfide and their photocatalytic degradation activity. <i>Inorganic Chemistry Communication</i> , 2022 , 138, 109256	3.1	○
5	Ni Al -layered double-hydroxide photocatalyst for the visible light-assisted photodegradation of organic dye pollutants. <i>Applied Nanoscience (Switzerland)</i> ,1	3.3	○
4	Alginate biopolymer as a reactor container for copper oxide-tin oxide: Efficient nanocatalyst for reduction of different pollutants. <i>Chemosphere</i> , 2021 , 132811	8.4	○
3	Photocatalytic degradation of the antibiotic ciprofloxacin in the aqueous solution using Mn/Co oxide photocatalyst. <i>Journal of Materials Science: Materials in Electronics</i> , 2022 , 33, 4255	2.1	○
2	Metallic nanoparticles decorated chitosan hydrogel wrapped pencil graphite: Effective catalyst for reduction of water pollutants and hydrogen production. <i>Surfaces and Interfaces</i> , 2022 , 102004	4.1	○
1	Efficient fabrication, antibacterial and catalytic performance of Ag-NiO loaded bacterial cellulose paper.. <i>International Journal of Biological Macromolecules</i> , 2022 , 206, 917-926	7.9	