

Esrafil Asgari

List of Publications by Year in descending order

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papers

827
citations

623188

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times ranked

541
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#	ARTICLE	IF	CITATIONS
1	Application of the Fe ₃ O ₄ -chitosan nano-adsorbent for the adsorption of metronidazole from wastewater: Optimization, kinetic, thermodynamic and equilibrium studies. <i>International Journal of Biological Macromolecules</i> , 2020, 164, 694-706.	3.6	68
2	Degradation of ciprofloxacin using hematite/MOF nanocomposite as a heterogeneous Fenton-like catalyst: A comparison of composite and core-shell structures. <i>Chemosphere</i> , 2021, 281, 130970.	4.2	63
3	The comparison of ZnO/polyaniline nanocomposite under UV and visible radiations for decomposition of metronidazole: Degradation rate, mechanism and mineralization. <i>Chemical Engineering Research and Design</i> , 2019, 128, 65-76.	2.7	62
4	A facile strategy for designing core-shell nanocomposite of ZIF-67/Fe ₃ O ₄ : A novel insight into ciprofloxacin removal from wastewater. <i>Chemical Engineering Research and Design</i> , 2021, 147, 392-404.	2.7	58
5	Degradation of ciprofloxacin by photocatalytic ozonation process under irradiation with UVA: Comparative study, performance and mechanism. <i>Chemical Engineering Research and Design</i> , 2021, 147, 356-366.	2.7	55
6	O ₃ , O ₃ /UV and O ₃ /UV/ZnO for abatement of parabens in aqueous solutions: Effect of operational parameters and mineralization/biodegradability improvement. <i>Chemical Engineering Research and Design</i> , 2019, 125, 238-250.	2.7	45
7	Ultrasound-assisted decomposition of metronidazole by synthesized TiO ₂ /Fe ₃ O ₄ nanocatalyst: Influencing factors and mechanisms. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105844.	3.3	42
8	Removal of heavy metals (Cr, Cu and Zn) from electroplating wastewater by electrocoagulation and adsorption processes. , 0, 179, 263-271.		42
9	The synthesis and application of the Fe ₃ O ₄ @SiO ₂ nanoparticles functionalized with 3-aminopropyltriethoxysilane as an efficient sorbent for the adsorption of ethylparaben from wastewater: Synthesis, kinetic, thermodynamic and equilibrium studies. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103315.	3.3	40
10	Application of graphene oxide modified with the phenopyridine and 2-mercaptobenzothiazole for the adsorption of Cr (VI) from wastewater: Optimization, kinetic, thermodynamic and equilibrium studies. <i>Journal of Molecular Liquids</i> , 2019, 285, 586-597.	2.3	37
11	Heterogeneous catalytic degradation of nonylphenol using persulphate activated by natural pyrite: response surface methodology modelling and optimisation. <i>International Journal of Environmental Analytical Chemistry</i> , 2022, 102, 6041-6060.	1.8	36
12	Enhancement the BuP photo-catalytic degradability by UVC/ZnO through adding exogenous oxidant: Mechanism, kinetic, energy consumption. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103576.	3.3	33
13	Application of a photocatalytic ozonation process using TiO ₂ magnetic nanoparticles for the removal of Ceftazidime from aqueous solutions: Evaluation of performance, comparative study and mechanism. <i>Optik</i> , 2020, 212, 164667.	1.4	31
14	Fabrication of magnetic graphene oxide nanocomposites functionalized with a novel chelating ligand for the removal of Cr (VI): Modeling, optimization, and adsorption studies. , 0, 160, 297-307.		30
15	Performance intensification of BzP photo-catalytic degradation through adding exogenous oxidant. <i>Optik</i> , 2020, 202, 163571.	1.4	27
16	Evaluation of adsorption and removal of methylparaben from aqueous solutions using amino-functionalized magnetic nanoparticles as an efficient adsorbent: Optimization and modeling by response surface methodology (RSM). , 0, 103, 248-260.		27
17	Ternary nanocomposite of TiO ₂ -ZnO/MCM-41: synthesis and electrochemical performance in supercapacitors. <i>Journal of Energy Storage</i> , 2022, 50, 104633.	3.9	27
18	Synthesis of TiO ₂ /polyaniline photocatalytic nanocomposite and its effects on degradation of metronidazole in aqueous solutions under UV and visible light radiation. , 0, 161, 228-242.		21

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19	Enhancement the Phenylmethyl ester photo degradability in the presence of O ₃ and H ₂ O ₂ . <i>Optik</i> , 2021, 228, 166204.	1.4	12
20	The adsorption behaviour of triclosan onto magnetic bio polymer beads impregnated with diatomite. <i>International Journal of Environmental Analytical Chemistry</i> , 2023, 103, 4130-4142.	1.8	12
21	Phthalate acid esters in pickled vegetables packaged in polyethylene terephthalate container: Occurrence, migration, and estrogenic activity-associated risk assessment. <i>Journal of Food Composition and Analysis</i> , 2021, 99, 103880.	1.9	11
22	The investigation of removal performances of UV/ZnO, UV/ZnO/H ₂ O ₂ and UV/ZnO/O ₃ processes in the degradation of Butoben and Phenylmethyl ester from aqueous solution. <i>Optik</i> , 2021, 228, 166208.	1.4	10
23	Microbial contamination of keyboards and electronic equipment of ICU (Intensive Care Units) in Kashan University of medical sciences and health service hospitals. <i>MethodsX</i> , 2019, 6, 666-671.	0.7	6
24	Antibacterial effect of TiO ₂ modified with poly-amidoamine dendrimer G ₃ on <i>S. aureus</i> and <i>E. coli</i> in aqueous solutions. <i>Water Science and Technology</i> , 2022, 85, 605-616.	1.2	6
25	Community health assessment: Knowledge, attitude and practice of women regarding water-pipe smoking in Bandar Abbas. <i>MethodsX</i> , 2019, 6, 442-446.	0.7	5
26	The synergistic effect of O ₃ and H ₂ O ₂ on the Butyl p-hydroxybenzoate photo-catalytic degradability by UVC/ZnO: Efficiency, kinetic, pathway, mechanism. <i>Optik</i> , 2021, 239, 166673.	1.4	5
27	Tracking of chloramphenicol, erythromycin, and sulfamethoxazole antibiotic-resistant bacteria from untreated wastewater effluents to receiving river. <i>Environmental Health Engineering and Management</i> , 2019, 6, 89-96.	0.3	4
28	Photocatalytic oxidation of ciprofloxacin by UV/Fe ₃ O ₄ /sulfite: mechanism, kinetic, degradation pathway. <i>International Journal of Environmental Health Research</i> , 2023, 33, 192-205.	1.3	3
29	Fabrication of Fe ₃ O ₄ @C/PIDA nanosphere to stabilize silver nanoparticles: Engineered nanostructure to bioactivity and antimicrobial activity. <i>Journal of Molecular Liquids</i> , 2022, 358, 119227.	2.3	3
30	The application of co-oxidant in order to enhancement the parabens photo-catalytic degradability. <i>Optik</i> , 2020, 224, 165667.	1.4	2
31	Photo-catalytic degradation of ciprofloxacin by UV/ZnO/SO ₂ process: performance, kinetic, degradation pathway, energy consumption and total cost of system. <i>International Journal of Environmental Analytical Chemistry</i> , 2023, 103, 5296-5310.	1.8	2
32	Determine the Integrated Indicators of Air Quality, Radiation, Sound and Lead of the Delphi Technique. <i>Muhandis-i BihdAsht-i Muá¥Á</i> , 2016, 3, 102-113.	0.1	1
33	Biodegradability enhancement and pre-treatment of industrial estate wastewater by electro-Fenton process. , 0, 200, 217-223.		1
34	Efficient destruction of metronidazole and ofloxacin antibiotics in the aqueous solutions by a new advanced oxidation process based on sulphite. <i>International Journal of Environmental Analytical Chemistry</i> , 0, , 1-20.	1.8	0
35	Investigation of Electrocoagulation/Electroflotation Process Efficiency with Aluminum-Graphite felt Electrodes in Removal of <i>E.coli</i> and <i>S. typhimurium</i> from Drinking Water. <i>Pars of Jahrom University of Medical Sciences</i> , 2017, 15, 32-46.	0.1	0
36	Comparative study on ozonation and catalytic ozonation using MgO@Fe ₃ O ₄ magnetic nanoparticles for the removal of phenylamine from aqueous solutions. <i>International Journal of Environmental Analytical Chemistry</i> , 0, , 1-20.	1.8	0