

Amir Sheikhmohammadi

List of Publications by Year in descending order

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38
papers

1,077
citations

331670

21
h-index

414414

32
g-index

38
all docs

38
docs citations

38
times ranked

838
citing authors

#	ARTICLE	IF	CITATIONS
1	Photo-assisted degradation of 2, 4, 6-trichlorophenol by an advanced reduction process based on sulfite anion radical: Degradation, dechlorination and mineralization. <i>Chemosphere</i> , 2018, 191, 156-165.	8.2	83
2	Enhancing photo-degradation of ciprofloxacin using simultaneous usage of eaq^{\bullet} and OH over UV/ZnO/I ⁻ process: Efficiency, kinetics, pathways, and mechanisms. <i>Journal of Hazardous Materials</i> , 2019, 377, 418-426.	12.4	70
3	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.	7.5	68
4	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.	8.2	63
5	Application of graphene oxide modified with 8-hydroxyquinoline for the adsorption of Cr (VI) from wastewater: Optimization, kinetic, thermodynamic and equilibrium studies. <i>Journal of Molecular Liquids</i> , 2017, 233, 75-88.	4.9	61
6	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.	5.6	58
7	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.	5.6	55
8	Improvement of aqueous nitrate removal by using continuous electrocoagulation/electroflotation unit with vertical monopolar electrodes. <i>Sustainable Environment Research</i> , 2016, 26, 287-290.	4.2	52
9	Degradation and COD removal of trichlorophenol from wastewater using sulfite anion radicals in a photochemical process combined with a biological reactor: Mechanisms, degradation pathway, optimization and energy consumption. <i>Chemical Engineering Research and Design</i> , 2019, 123, 263-271.	5.6	45
10	Enhanced degradation of polychlorinated biphenyls with simultaneous usage of reductive and oxidative agents over UV/sulfite/TiO ₂ process as a new approach of advanced oxidation/reduction processes. <i>Journal of Water Process Engineering</i> , 2019, 32, 100983.	5.6	41
11	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.	6.7	40
12	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.	4.9	37
13	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.	3.3	36
14	Application of the enhanced sono-photo-Fenton-like process in the presence of persulfate for the simultaneous removal of chromium and phenol from the aqueous solution. <i>Journal of Water Process Engineering</i> , 2020, 34, 101080.	5.6	35
15	Predicting the capability of carboxymethyl cellulose-stabilized iron nanoparticles for the remediation of arsenite from water using the response surface methodology (RSM) model: Modeling and optimization. <i>Journal of Contaminant Hydrology</i> , 2017, 203, 85-92.	3.3	33
16	The synthesis and application of the SiO ₂ @Fe ₃ O ₄ @MBT nanocomposite as a new magnetic sorbent for the adsorption of arsenate from aqueous solutions: Modeling, optimization, and adsorption studies. <i>Journal of Molecular Liquids</i> , 2018, 255, 313-323.	4.9	33
17	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.	6.7	33
18	Eco-friendly rapid removal of palladium from aqueous solutions using alginate-diatomite magnano composite. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105954.	6.7	31

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19	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
20	Energy consumption and photochemical degradation of Imipenem/Cilastatin antibiotic by process of UVC/ Fe ²⁺ / H ₂ O ₂ through response surface methodology. Optik, 2019, 182, 1194-1203.	2.9	29
21	Performance intensification of BzP photo-catalytic degradation through adding exogenous oxidant. Optik, 2020, 202, 163571.	2.9	27
22	Optimization of arsenite removal by adsorption onto organically modified montmorillonite clay: Experimental & theoretical approaches. Korean Journal of Chemical Engineering, 2017, 34, 376-383.	2.7	25
23	Investigation into the influencing factors and adsorption characteristics in the effective capture of carbon dioxide in flue gas by chitosan grafted Leca biocomposite. International Journal of Environmental Analytical Chemistry, 2023, 103, 9186-9208.	3.3	18
24	Predicting the capability of diatomite magnano composite boosted with polymer extracted from brown seaweeds for the adsorption of cyanide from water solutions using the response surface methodology: modelling and optimisation. International Journal of Environmental Analytical Chemistry, 2023, 103, 4702-4715.	3.3	13
25	Enhancement the Phenylmethyl ester photo degradability in the presence of O ₃ and H ₂ O ₂ . Optik, 2021, 228, 166204.	2.9	12
26	The adsorption behaviour of triclosan onto magnetic bio polymer beads impregnated with diatomite. International Journal of Environmental Analytical Chemistry, 2023, 103, 4130-4142.	3.3	12
27	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. Optik, 2021, 228, 166208.	2.9	10
28	Efficient degradation of Ocuflax in a neutral photo oxidation/reduction system based on the enhanced heterogeneous-homogeneous sulfite-iodide cycle. Optik, 2022, 257, 168878.	2.9	7
29	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. Optik, 2021, 239, 166673.	2.9	5
30	A SURVEY OF SICK BUILDING SYNDROME PREVALENCE AMONG THE INHABITANTS OF EKBATAN IN TEHRAN. Environmental Engineering and Management Journal, 2016, 15, 755-760.	0.6	3
31	Photocatalytic oxidation of ciprofloxacin by UV/ Fe_2O_3 /sulfite: mechanism, kinetic, degradation pathway. International Journal of Environmental Health Research, 2023, 33, 192-205.	2.7	3
32	The application of co-oxidant in order to enhancement the parabens photo-catalytic degradability. Optik, 2020, 224, 165667.	2.9	2
33	Photo-catalytic degradation of ciprofloxacin by UV/ZnO/SO ₃ process: performance, kinetic, degradation pathway, energy consumption and total cost of system. International Journal of Environmental Analytical Chemistry, 2023, 103, 5296-5310.	3.3	2
34	Application of the Fe ₃ O ₄ / alginate/ diatomite nano-adsorbent for the adsorption of palladium and cyanide from wastewater: optimisation, kinetic and equilibrium studies. International Journal of Environmental Analytical Chemistry, 2023, 103, 6076-6096.	3.3	2
35	Photo-catalytic degradation of ofloxacin with UV/ ZnO / KI process: Performance, kinetic, energy consumption and the pathway. Optik, 2021, 248, 168053.	2.9	2
36	Improvement of Floxin photocatalytic degradability in the presence of sulfite: Performance, kinetic, degradation pathway, energy consumption and total cost of system. International Journal of Environmental Health Research, 2022, 32, 2781-2797.	2.7	1

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37	Efficient destruction of metronidazole and ofloxacin antibiotics in the aqueous solutions by a new advanced oxidation process based on sulphite. International Journal of Environmental Analytical Chemistry, 0, , 1-20.	3.3	0
38	Comparative study on ozonation and catalytic ozonation using MgO@Fe ₃ O ₄ magnetic nanoparticles for the removal of phenylamine from aqueous solutions. International Journal of Environmental Analytical Chemistry, 0, , 1-20.	3.3	0