

Gholamreza Moussavi

List of Publications by Year in descending order

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149
papers

7,215
citations

50276
46
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69250
77
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150
all docs

150
docs citations

150
times ranked

6650
citing authors

#	ARTICLE	IF	CITATIONS
1	Biodegradation of the petroleum hydrocarbons using an anoxic packed-bed biofilm reactor with in-situ biosurfactant-producing bacteria. <i>Journal of Hazardous Materials</i> , 2022, 421, 126699.	12.4	20
2	Vacuum UV pre-treatment coupled with self-generated peroxide stimulation of biomass: An innovative hybrid system for detoxification and mineralization of toxic compounds. <i>Chemosphere</i> , 2022, 286, 131701.	8.2	6
3	Heterogeneous catalytic ozonation and peroxone-mediated removal of Acetaminophen using natural and modified hematite-rich soil, as efficient and environmentally friendly catalysts. <i>Applied Catalysis B: Environmental</i> , 2022, 301, 120786.	20.2	35
4	Enhanced peroxidase-mediated biodegradation of polyethylene using the bacterial consortia under H ₂ O ₂ -biostimulation. <i>Polymer</i> , 2022, 240, 124508.	3.8	13
5	Development of a percarbonate-enhanced Vacuum UV process for simultaneous fluoroquinolone antibiotics removal and fecal bacteria inactivation under a continuous flow mode of operation. <i>Chemical Engineering Journal</i> , 2022, 431, 134064.	12.7	14
6	Catalytic ozonation of Acetaminophen with a magnetic, Cerium-based Metal-Organic framework as a novel, easily-separable nanocomposite. <i>Chemical Engineering Journal</i> , 2022, 434, 134614.	12.7	30
7	The efficacy of the VUV/O ₃ process run in a continuous-flow fluidized bed reactor for simultaneous elimination of fapiravir and bacteria in aqueous matrices. <i>Chemosphere</i> , 2022, 304, 135307.	8.2	8
8	Deriving an E'-Fe ₂ O ₃ /g-C ₃ N ₄ nanocomposite from a naturally hematite-rich soil, for dual photocatalytic and photo-Fenton degradation of Acetaminophen under visible light. <i>Separation and Purification Technology</i> , 2022, 299, 121723.	7.9	16
9	Degradation of the antiviral remdesivir by a novel, continuous-flow, helical-baffle incorporating VUV/UVC photoreactor: Performance assessment and enhancement by inorganic peroxides. <i>Separation and Purification Technology</i> , 2022, 298, 121665.	7.9	7
10	Superior visible light-mediated catalytic activity of a novel N-doped, Fe ₃ O ₄ -incorporating MgO nanosheet in presence of PMS: Imidacloprid degradation and implications on simultaneous bacterial inactivation. <i>Applied Catalysis B: Environmental</i> , 2022, 317, 121732.	20.2	38
11	Improving ferrate disinfection and decontamination performance at neutral pH by activating peroxymonosulfate under solar light. <i>Chemical Engineering Journal</i> , 2022, 450, 137904.	12.7	14
12	Enhanced vacuum UV-based process (VUV/H ₂ O ₂ /PMS) for the effective removal of ammonia from water: Engineering configuration and mechanistic considerations. <i>Journal of Hazardous Materials</i> , 2021, 402, 123789.	12.4	42
13	A continuous-flow catalytic process with natural hematite-alginate beads for effective water decontamination and disinfection: Peroxymonosulfate activation leading to dominant sulfate radical and minor non-radical pathways. <i>Chemical Engineering Journal</i> , 2021, 411, 127738.	12.7	32
14	Ciprofloxacin removal from aqueous solutions using modified electrochemical Fenton processes with iron green catalysts. <i>Journal of Molecular Liquids</i> , 2021, 324, 114694.	4.9	13
15	A review of the innovations in metal- and carbon-based catalysts explored for heterogeneous peroxymonosulfate (PMS) activation, with focus on radical vs. non-radical degradation pathways of organic contaminants. <i>Chemical Engineering Journal</i> , 2021, 411, 127957.	12.7	458
16	Development of a VUV-UVC/peroxymonosulfate, continuous-flow Advanced Oxidation Process for surface water disinfection and Natural Organic Matter elimination: Application and mechanistic aspects. <i>Journal of Hazardous Materials</i> , 2021, 408, 124634.	12.4	21
17	Efficient photocatalytic degradation of ciprofloxacin under UVA-LED, using S,N-doped MgO nanoparticles: Synthesis, parametrization and mechanistic interpretation. <i>Journal of Molecular Liquids</i> , 2021, 324, 114831.	4.9	29
18	An innovative, highly stable Ag/ZIF-67@GO nanocomposite with exceptional peroxymonosulfate (PMS) activation efficacy, for the destruction of chemical and microbiological contaminants under visible light. <i>Journal of Hazardous Materials</i> , 2021, 413, 125308.	12.4	98

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19	Synthesis of a novel, ternary AgI/CeO ₂ @g-C ₃ N ₄ nanocomposite with exceptional stability and reusability for visible light-assisted photocatalytic reduction of hexavalent chromium. Applied Surface Science, 2021, 555, 149692.	6.1	32
20	Radical-based degradation of sulfamethoxazole via UVA/PMS-assisted photocatalysis, driven by magnetically separable Fe ₃ O ₄ @CeO ₂ @BiOI nanospheres. Separation and Purification Technology, 2021, 267, 118665.	7.9	64
21	Photocatalytic activation of peroxymonosulfate (PMS) by novel mesoporous Ag/ZnO@NiFe ₂ O ₄ nanorods, inducing radical-mediated acetaminophen degradation under UVA irradiation. Chemosphere, 2021, 277, 130271.	8.2	55
22	Non-thermal plasma by positive corona glow discharge using nano-structured Cu/CuO coated electrodes for benzene removal from air flow; removal enhancement and energy efficiency improvement. Separation and Purification Technology, 2021, 275, 119156.	7.9	11
23	Advanced oxidation processes for removal of organics from cooling tower blowdown: Efficiencies and evaluation of chlorinated species. Separation and Purification Technology, 2021, 278, 119537.	7.9	9
24	Health and ecological risk assessment and simulation of heavy metal-contaminated soil of Tehran landfill. RSC Advances, 2021, 11, 8080-8095.	3.6	33
25	Effective removal of hexavalent chromium using microbial cellulose/polyaniline cathode and nanosized FeS ₂ in the form of an integrated electrochemical system. Journal of Water Process Engineering, 2021, 44, 102333.	5.6	7
26	Enhanced biodegradation of styrene vapors in the biotrickling filter inoculated with biosurfactant-generating bacteria under H ₂ O ₂ stimulation. Science of the Total Environment, 2020, 704, 135325.	8.0	36
27	Advanced biodegradation process of atrazine in the peroxidase-mediated sequencing batch reactor (SBR) and moving-bed SBR (MSBR): mineralization and detoxification. Journal of Environmental Health Science & Engineering, 2020, 18, 433-439.	3.0	1
28	Shedding light on the catalytic synergies between Fe(II) and PMS in vacuum UV (VUV/Fe/PMS) photoreactors for accelerated elimination of pharmaceuticals: The case of metformin. Chemical Engineering Journal, 2020, 400, 125896.	12.7	40
29	A new Ru(^{II}) polypyridyl complex as an efficient photosensitizer for enhancing the visible-light-driven photocatalytic activity of a TiO ₂ /reduced graphene oxide nanocomposite for the degradation of atrazine: DFT and mechanism insights. RSC Advances, 2020, 10, 22500-22514.	3.6	12
30	A novel CuO/Fe ₂ O ₃ /ZnO composite for visible-light assisted photocatalytic oxidation of Bisphenol A: Kinetics, degradation pathways, and toxicity elimination. Separation and Purification Technology, 2020, 242, 116821.	7.9	52
31	Enhanced treatment of the oil-contaminated soil using biosurfactant-assisted washing operation combined with H ₂ O ₂ -stimulated biotreatment of the effluent. Journal of Environmental Management, 2020, 271, 110941.	7.8	33
32	A modeling concept on removal of VOCs in wire-tube non-thermal plasma, considering electrical and structural factors. Environmental Monitoring and Assessment, 2020, 192, 280.	2.7	5
33	Evaluation of urethral stricture after transurethral resection of the prostate in benign prostatic hypertrophy patients. Chirurgia (Turin), 2020, 33, .	0.1	0
34	Enhanced visible light photocatalytic degradation of acetaminophen with Ag ₂ S-ZnO@rGO core-shell microsphere as a novel catalyst: Catalyst preparation and characterization and mechanistic catalytic experiments. Separation and Purification Technology, 2019, 229, 115803.	7.9	25
35	Facile green synthesis of zinc oxide nanoparticles using Thymus vulgaris extract, characterization, and mechanism of chromium photocatalytic reduction. Materials Research Express, 2019, 6, 115093.	1.6	5
36	VUV/Fe(II)/H ₂ O ₂ as a novel integrated process for advanced oxidation of methyl tert-butyl ether (MTBE) in water at neutral pH: Process intensification and mechanistic aspects. Water Research, 2019, 166, 115061.	11.3	45

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37	The efficacy of the ozonation process in the presence of activated carbon impregnated with magnesium oxide in the removal of benzene from the air stream. <i>International Journal of Environmental Science and Technology</i> , 2019, 16, 8023-8030.	3.5	9
38	Bacterial peroxidase-mediated enhanced biodegradation and mineralization of bisphenol A in a batch bioreactor. <i>Chemosphere</i> , 2019, 222, 549-555.	8.2	32
39	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
40	Advanced disinfecting and post-treating the biologically treated hospital wastewater in the UVC/H ₂ O ₂ and VUV/H ₂ O ₂ processes: Performance comparison and detoxification efficiency. <i>Chemical Engineering Research and Design</i> , 2019, 126, 259-268.	5.6	34
41	Enhanced removal of benzene in non-thermal plasma with ozonation, flow recycling, and flow recirculation. <i>Plasma Science and Technology</i> , 2019, 21, 095501.	1.5	6
42	The enhanced catalytic potential of sulfur-doped MgO (S-MgO) nanoparticles in activation of peroxysulfates for advanced oxidation of acetaminophen. <i>Chemical Engineering Journal</i> , 2019, 371, 404-413.	12.7	60
43	Novel magnetic Fe ₃ O ₄ @rGO@ZnO onion-like microspheres decorated with Ag nanoparticles for the efficient photocatalytic oxidation of metformin: toxicity evaluation and insights into the mechanisms. <i>Catalysis Science and Technology</i> , 2019, 9, 5819-5837.	4.1	30
44	Improved peroxidase-mediated biodegradation of toluene vapors in the moving-bed activated sludge diffusion (MASD) process using biosurfactant-generating biomass stimulated with H ₂ O ₂ . <i>Journal of Hazardous Materials</i> , 2019, 361, 259-266.	12.4	20
45	Advanced oxidation of formaldehyde in aqueous solution using the chemical-less UVC/VUV process: Kinetics and mechanism evaluation. <i>Journal of Water Process Engineering</i> , 2019, 27, 120-125.	5.6	20
46	Enhancing solar disinfection of water in PET bottles by optimized in-situ formation of iron oxide films. From heterogeneous to homogeneous action modes with H ₂ O ₂ vs. O ₂ â€” Part 2: Direct use of (natural) iron oxides. <i>Chemical Engineering Journal</i> , 2019, 360, 1051-1062.	12.7	6
47	Enhanced treatment of tannery wastewater using the electrocoagulation process combined with UVC/VUV photoreactor: Parametric and mechanistic evaluation. <i>Chemical Engineering Journal</i> , 2019, 358, 1038-1046.	12.7	62
48	Enhancing solar disinfection of water in PET bottles by optimized in-situ formation of iron oxide films. From heterogeneous to homogeneous action modes with H ₂ O ₂ vs. O ₂ â€” Part 1: Iron salts as oxide precursors. <i>Chemical Engineering Journal</i> , 2019, 358, 211-224.	12.7	17
49	The preparation of TiO ₂ @rGO nanocomposite efficiently activated with UVA/LED and H ₂ O ₂ for high rate oxidation of acetaminophen: Catalyst characterization and acetaminophen degradation and mineralization. <i>Applied Surface Science</i> , 2018, 440, 963-973.	6.1	52
50	Chromium adsorption from aqueous solution using novel green nanocomposite: Adsorbent characterization, isotherm, kinetic and thermodynamic investigation. <i>Journal of Molecular Liquids</i> , 2018, 256, 163-174.	4.9	112
51	The catalytic destruction of antibiotic tetracycline by sulfur-doped manganese oxide (Sâ€”MgO) nanoparticles. <i>Journal of Environmental Management</i> , 2018, 210, 131-138.	7.8	30
52	Enhanced biodegradation of phenol in a novel cyclic activated sludge integrated with a rotating bed bioreactor in anoxic and peroxidase-mediated conditions. <i>RSC Advances</i> , 2018, 8, 6293-6305.	3.6	18
53	Synthesis and visible-light photocatalytic activity of In,S-TiO ₂ @rGO nanocomposite for degradation and detoxification of pesticide atrazine in water. <i>Chemical Engineering Journal</i> , 2018, 345, 300-311.	12.7	93
54	Biodegradation and COD removal of p -Cresol in a denitrification baffled reactor: Performance evaluation and microbial community. <i>Process Biochemistry</i> , 2018, 69, 153-160.	3.7	22

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55	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
56	The photochemical decomposition and detoxification of bisphenol A in the VUV/H ₂ O ₂ process: Degradation, mineralization, and cytotoxicity assessment. <i>Chemical Engineering Journal</i> , 2018, 331, 755-764.	12.7	91
57	Application of low-voltage UVC light and synthetic ZnO nanoparticles to photocatalytic degradation of ciprofloxacin in aqueous sample solutions. <i>Water and Environment Journal</i> , 2018, 32, 58-66.	2.2	40
58	Comparing VUV and VUV/Fe ²⁺ processes for decomposition of cloxacillin antibiotic: Degradation rate and pathways, mineralization and by-product analysis. <i>Chemical Engineering Journal</i> , 2018, 332, 140-149.	12.7	54
59	Investigation of chemical-less UVC/VUV process for advanced oxidation of sulfamethoxazole in aqueous solutions: Evaluation of operational variables and degradation mechanism. <i>Separation and Purification Technology</i> , 2018, 190, 90-99.	7.9	46
60	Investigating the aerated VUV/PS process simultaneously generating hydroxyl and sulfate radicals for the oxidation of cyanide in aqueous solution and industrial wastewater. <i>Chemical Engineering Journal</i> , 2018, 350, 673-680.	12.7	52
61	The accelerated biodegradation and mineralization of acetaminophen in the H ₂ O ₂ -stimulated upflow fixed-bed bioreactor (UFBR). <i>Chemosphere</i> , 2018, 210, 1115-1123.	8.2	14
62	Facile preparation of multi-doped TiO ₂ /rGO cross-linked 3D aerogel (GaNF@TGA) nanocomposite as an efficient visible-light activated catalyst for photocatalytic oxidation and detoxification of atrazine. <i>Solar Energy</i> , 2018, 173, 848-860.	6.1	28
63	Comparing adsorption properties of NH ₄ Cl-modified activated carbon towards chlortetracycline antibiotic with those of commercial activated carbon. <i>Journal of Molecular Liquids</i> , 2017, 232, 367-381.	4.9	66
64	Oxidation of acetaminophen in the ozonation process catalyzed with modified MgO nanoparticles: Effect of operational variables and cytotoxicity assessment. <i>Chemical Engineering Research and Design</i> , 2017, 109, 520-528.	5.6	29
65	Decomposition of benzene using wire-tube AC/DC discharge reactors. <i>Journal of Electrostatics</i> , 2017, 87, 158-166.	1.9	7
66	Oxidation of acetaminophen in the contaminated water using UVC/S ₂ O ₈ ²⁻ process in a cylindrical photoreactor: Efficiency and kinetics of degradation and mineralization. <i>Separation and Purification Technology</i> , 2017, 181, 132-138.	7.9	31
67	Exploring the advanced oxidation/reduction processes in the VUV photoreactor for dechlorination and mineralization of trichloroacetic acid: Parametric experiments, degradation pathway and bioassessment. <i>Chemical Engineering Journal</i> , 2017, 328, 331-342.	12.7	65
68	Preparation, characterization and atrazine adsorption potential of mesoporous carbonate-induced activated biochar (CAB) from Calligonum Comosum biomass: Parametric experiments and kinetics, equilibrium and thermodynamic modeling. <i>Journal of Molecular Liquids</i> , 2017, 242, 40-52.	4.9	51
69	Preparation, characterization and catalytic activity of a novel mesoporous nanocrystalline MgO nanoparticle for ozonation of acetaminophen as an emerging water contaminant. <i>Chemical Engineering Journal</i> , 2017, 310, 157-169.	12.7	136
70	The accelerated enzymatic biodegradation and COD removal of petroleum hydrocarbons in the SCR using active bacterial biomass capable of in-situ generating peroxidase and biosurfactants. <i>Chemical Engineering Journal</i> , 2017, 308, 1081-1089.	12.7	27
71	Oxidation of diazinon in cns-ZnO/LED photocatalytic process: Catalyst preparation, photocatalytic examination, and toxicity bioassay of oxidation by-products. <i>Separation and Purification Technology</i> , 2017, 174, 320-330.	7.9	42
72	DEGRADATION OF CONCENTRATED TOLUENE VAPORS IN A UV/O ₃ PROCESS COMBINED WITH BIOTRICKLING FILTRATION. <i>Environmental Engineering and Management Journal</i> , 2017, 16, 77-84.	0.6	0

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73	Simultaneous nitrate reduction and acetaminophen oxidation using the continuous-flow chemical-less VUV process as an integrated advanced oxidation and reduction process. Journal of Hazardous Materials, 2016, 318, 329-338.	12.4	46
74	The selective direct oxidation of ammonium in the contaminated water to nitrogen gas using the chemical-less VUV photochemical continuous-flow reactor. Chemical Engineering Journal, 2016, 295, 57-63.	12.7	38
75	The peroxidase-mediated biodegradation of petroleum hydrocarbons in a H ₂ O ₂ -induced SBR using in-situ production of peroxidase: Biodegradation experiments and bacterial identification. Journal of Hazardous Materials, 2016, 313, 170-178.	12.4	31
76	Electrochemically enhancement of the anaerobic baffled reactor performance as an appropriate technology for treatment of municipal wastewater in developing countries. Sustainable Environment Research, 2016, 26, 203-208.	4.2	18
77	Investigation of furfural biodegradation in a continuous inflow cyclic biological reactor. Water Science and Technology, 2016, 73, 292-301.	2.5	12
78	Degradation and mineralization of diazinon pesticide in UVC and UVC/TiO ₂ process. Desalination and Water Treatment, 2016, 57, 3782-3790.	1.0	31
79	Homogenous VUV advanced oxidation process for enhanced degradation and mineralization of antibiotics in contaminated water. Ecotoxicology and Environmental Safety, 2016, 125, 72-77.	6.0	54
80	High-rate adsorption of acetaminophen from the contaminated water onto double-oxidized graphene oxide. Chemical Engineering Journal, 2016, 287, 665-673.	12.7	87
81	Adsorption capacity of NH ₄ ⁺ -induced activated carbon for removing sodium dodecyl sulfate from water. Desalination and Water Treatment, 2016, 57, 11283-11290.	1.0	5
82	Anoxic biodegradation of petroleum hydrocarbons in saline media using denitrifier biogranules. Ecotoxicology and Environmental Safety, 2016, 129, 51-56.	6.0	9
83	Comparing the efficacy of VUV and $\text{UVC} \times \text{S} \times \text{S}$ advanced oxidation processes for deg. Chemical Engineering Journal, 2016, 294, 273-280.	12.7	49
84	Toluene removal from waste air stream by the catalytic ozonation process with MgO/GAC composite as catalyst. Journal of Hazardous Materials, 2016, 306, 348-358.	12.4	52
85	Removal of acetaminophen from the contaminated water using adsorption onto carbon activated with NH ₄ ⁺ . Desalination and Water Treatment, 2016, 57, 12861-12873.	1.0	55
86	INVESTIGATION OF AMMONIUM ION ADSORPTION ONTO REGENERATED SPENT BLEACHING EARTH: PARAMETERS AND EQUILIBRIUM STUDY. Environmental Engineering and Management Journal, 2016, 15, 773-782.	0.6	4
87	The biodegradation of petroleum hydrocarbons in an upflow sludge-blanket/fixed-film hybrid bioreactor under nitrate-reducing conditions: Performance evaluation and microbial identification. Chemical Engineering Journal, 2015, 280, 121-131.	12.7	41
88	Simultaneous removal of Cr(VI) from water containing sulfate using nanofiltration. Desalination and Water Treatment, 2015, 53, 1895-1901.	1.0	4
89	Degradation and COD removal of catechol in wastewater using the catalytic ozonation process combined with the cyclic rotating-bed biological reactor. Journal of Environmental Management, 2015, 157, 262-266.	7.8	40
90	Enhanced biological denitrification in the cyclic rotating bed reactor with catechol as carbon source. Bioresource Technology, 2015, 189, 266-272.	9.6	40

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91	Investigating the potential of carbon activated with NH ₄ Cl for catalyzing the degradation and mineralization of antibiotics in ozonation process. Chemical Engineering Research and Design, 2015, 97, 91-99.	5.6	23
92	Advanced reduction of Cr(VI) in real chrome-plating wastewater using a VUV photoreactor: Batch and continuous-flow experiments. Separation and Purification Technology, 2015, 151, 218-224.	7.9	34
93	High-rate biological denitrification in the cyclic rotating-bed biological reactor: Effect of COD/NO_3^- ratio, nitrate concentration and salinity and the phylogenetic analysis of denitrifiers. Bioresource Technology, 2015, 197, 482-488.	9.6	106
94	Degradation of Organic Matter of Municipal Sewage Sludge Using Ultrasound Treatment in Shiraz Wastewater Treatment Plant. Health Scope, 2015, 4, .	0.6	6
95	DECOLORIZATION AND MINERALIZATION OF REACTIVE RED 198 IN SALINE WATER: PERFORMANCE COMPARISON OF PHOTOLYSIS, UV/TiO ₂ , AND UV/ZNO PROCESSES. Environmental Engineering and Management Journal, 2015, 14, 1027-1036.	0.6	0
96	Oily wastewaters treatment using Pseudomonas sp. isolated from the compost fertilizer. Journal of Environmental Health Science & Engineering, 2014, 12, 77.	3.0	26
97	The degradation and mineralization of catechol using ozonation catalyzed with MgO/GAC composite in a fluidized bed reactor. Chemical Engineering Journal, 2014, 249, 302-310.	12.7	80
98	The investigation of the LED-activated FeFNS-TiO ₂ nanocatalyst for photocatalytic degradation and mineralization of organophosphate pesticides in water. Water Research, 2014, 59, 130-144.	11.3	116
99	Removal of amoxicillin from contaminated water using NH ₄ Cl-activated carbon: Continuous flow fixed-bed adsorption and catalytic ozonation regeneration. Chemical Engineering Journal, 2014, 236, 538-544.	12.7	80
100	Comparing the efficacy of UVC, UVC/ZnO and VUV processes for oxidation of organophosphate pesticides in water. Journal of Photochemistry and Photobiology A: Chemistry, 2014, 290, 86-93.	3.9	54
101	The performance of electrochemical peroxidation process for COD reduction and biodegradability improvement of the wastewater from a paper recycling plant. Separation and Purification Technology, 2014, 132, 182-186.	7.9	18
102	Investigating the performance of an up-flow anoxic fixed-bed bioreactor and a sequencing anoxic batch reactor for the biodegradation of hydrocarbons in petroleum-contaminated saline water. International Biodeterioration and Biodegradation, 2014, 90, 106-114.	3.9	37
103	The biodegradation and COD removal of 2-chlorophenol in a granular anoxic baffled reactor. Journal of Biotechnology, 2014, 184, 111-117.	3.8	33
104	Removal of Furfural From Wastewater Using Integrated Catalytic Ozonation and Biological Approaches. Avicenna Journal of Environmental Health Engineering, 2014, 1, .	0.6	6
105	Biological degradation of catechol in wastewater using the sequencing continuous-inflow reactor (SCR). Journal of Environmental Health Science & Engineering, 2013, 11, 3.	3.0	28
106	Development of innovative computer software to facilitate the setup and computation of water quality index. Journal of Environmental Health Science & Engineering, 2013, 11, 1.	3.0	76
107	Preparation, characterization and adsorption potential of the NH ₄ Cl-induced activated carbon for the removal of amoxicillin antibiotic from water. Chemical Engineering Journal, 2013, 217, 119-128.	12.7	255
108	Degradation and mineralization of furfural in aqueous solutions using heterogeneous catalytic ozonation. Desalination and Water Treatment, 2013, 51, 6789-6797.	1.0	24

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109	Removal of ammonium from water by adsorption onto synthetic zeolites NaA and NaX: a comparative parametric, kinetic, and equilibrium study. <i>Desalination and Water Treatment</i> , 2013, 51, 5710-5720.	1.0	4
110	The efficacy of GAC/MgO composite for destructive adsorption of benzene from waste air stream. <i>Chemical Engineering Journal</i> , 2013, 228, 741-747.	12.7	32
111	Investigating the performance of a novel cyclic rotating-bed biological reactor compared with a sequencing continuous-inflow reactor for biodegradation of catechol in wastewater. <i>Bioresource Technology</i> , 2013, 138, 369-372.	9.6	13
112	The investigation of diazinon pesticide removal from contaminated water by adsorption onto NH ₄ Cl-induced activated carbon. <i>Chemical Engineering Journal</i> , 2013, 214, 172-179.	12.7	149
113	Development of an efficient catalyst from magnetite ore: Characterization and catalytic potential in the ozonation of water toxic contaminants. <i>Applied Catalysis A: General</i> , 2012, 445-446, 42-49.	4.3	49
114	Landfill Leachate treatment by sono-evaporation. <i>Desalination and Water Treatment</i> , 2012, 48, 344-348.	1.0	9
115	Removal of petroleum hydrocarbons from contaminated groundwater by the combined technique of adsorption onto perlite followed by the O ₃ /H ₂ O ₂ process. <i>Environmental Technology (United Kingdom)</i> , 2012, 33, 1905-1912.	2.2	10
116	Preparation and characterization of a biochar from pistachio hull biomass and its catalytic potential for ozonation of water recalcitrant contaminants. <i>Bioresource Technology</i> , 2012, 119, 66-71.	9.6	80
117	Comparing the efficacy of a novel waste-based adsorbent with PAC for the simultaneous removal of chromium (VI) and cyanide from electroplating wastewater. <i>Chemical Engineering Research and Design</i> , 2012, 90, 960-966.	5.6	19
118	The investigation of degradation and mineralization of high concentrations of formaldehyde in an electro-Fenton process combined with the biodegradation. <i>Journal of Hazardous Materials</i> , 2012, 237-238, 147-152.	12.4	41
119	Removal of petroleum hydrocarbons from contaminated groundwater using an electrocoagulation process: Batch and continuous experiments. <i>Desalination</i> , 2011, 278, 288-294.	8.2	66
120	The influence of operational parameters on elimination of cyanide from wastewater using the electrocoagulation process. <i>Desalination</i> , 2011, 280, 127-133.	8.2	66
121	The removal of cationic dyes from aqueous solutions by adsorption onto pistachio hull waste. <i>Chemical Engineering Research and Design</i> , 2011, 89, 2182-2189.	5.6	170
122	Experimental investigation of the chemical reduction of nitrate ion in aqueous solution by Mg/Cu bimetallic particles. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2011, 102, 313-329.	1.7	23
123	Ammonia removal from a waste air stream using a biotrickling filter packed with polyurethane foam through the SND process. <i>Bioresource Technology</i> , 2011, 102, 2517-2522.	9.6	27
124	The investigation of mechanism, kinetic and isotherm of ammonia and humic acid co-adsorption onto natural zeolite. <i>Chemical Engineering Journal</i> , 2011, 171, 1159-1169.	12.7	145
125	The performance of SBR, SCR, and MSCR for simultaneous biodegradation of high concentrations of formaldehyde and ammonia. <i>Separation and Purification Technology</i> , 2011, 77, 187-195.	7.9	31
126	Chemical reduction kinetics of nitrate in aqueous solution by Mg/Cu bimetallic particles. <i>Environmental Technology (United Kingdom)</i> , 2011, 32, 251-260.	2.2	23

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127	Removal of hexavalent chromium from brackish groundwater by nanofiltration: a case study in Iran. Journal of Water Supply: Research and Technology - AQUA, 2011, 60, 121-126.	1.4	5
128	Removal of cyanide from wastewater by adsorption onto pistachio hull wastes: Parametric experiments, kinetics and equilibrium analysis. Journal of Hazardous Materials, 2010, 183, 724-730.	12.4	135
129	Degradation of humic acids through heterogeneous catalytic ozonation with bone charcoal. Reaction Kinetics, Mechanisms and Catalysis, 2010, 100, 471.	1.7	14
130	Performance of a pilot scale up-flow septic tank for on-site decentralized treatment of residential wastewater. Chemical Engineering Research and Design, 2010, 88, 47-52.	5.6	40
131	Biodegradation of mixture of phenol and formaldehyde in wastewater using a single-basin MSCR process. Journal of Biotechnology, 2010, 150, 240-245.	3.8	24
132	The integration of ozonation catalyzed with MgO nanocrystals and the biodegradation for the removal of phenol from saline wastewater. Applied Catalysis B: Environmental, 2010, 97, 160-167.	20.2	101
133	The removal of high concentrations of phenol from saline wastewater using aerobic granular SBR. Chemical Engineering Journal, 2010, 158, 498-504.	12.7	112
134	Biosorption of chromium(VI) from industrial wastewater onto pistachio hull waste biomass. Chemical Engineering Journal, 2010, 162, 893-900.	12.7	211
135	The removal of formaldehyde from concentrated synthetic wastewater using O ₃ /MgO/H ₂ O ₂ process integrated with the biological treatment. Journal of Hazardous Materials, 2009, 171, 907-913.	12.4	81
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