

Gholamreza Moussavi

List of Publications by Year in descending order

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149
papers

7,215
citations

50170

46
h-index

69108

77
g-index

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.	6.5	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.	4.2	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.	10.8	35
4	Enhanced peroxidase-mediated biodegradation of polyethylene using the bacterial consortia under H ₂ O ₂ -biostimulation. <i>Polymer</i> , 2022, 240, 124508.	1.8	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.	6.6	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.	6.6	30
7	The efficacy of the VUV/O ₃ process run in a continuous-flow fluidized bed reactor for simultaneous elimination of favipiravir and bacteria in aqueous matrices. <i>Chemosphere</i> , 2022, 304, 135307.	4.2	8
8	Deriving an Fe^{2+} -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.	3.9	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.	3.9	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.	10.8	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.	6.6	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.	6.5	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.	6.6	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.	2.3	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.	6.6	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.	6.5	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.	2.3	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.	6.5	98

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19	Synthesis of a novel, ternary Ag/CeO ₂ @g-C ₃ N ₄ nanocomposite with exceptional stability and reusability for visible light-assisted photocatalytic reduction of hexavalent chromium. <i>Applied Surface Science</i> , 2021, 555, 149692.	3.1	32
20	Radical-based degradation of sulfamethoxazole via UVA/PMS-assisted photocatalysis, driven by magnetically separable Fe ₃ O ₄ @CeO ₂ @BiOI nanospheres. <i>Separation and Purification Technology</i> , 2021, 267, 118665.	3.9	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. <i>Chemosphere</i> , 2021, 277, 130271.	4.2	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. <i>Separation and Purification Technology</i> , 2021, 275, 119156.	3.9	11
23	Advanced oxidation processes for removal of organics from cooling tower blowdown: Efficiencies and evaluation of chlorinated species. <i>Separation and Purification Technology</i> , 2021, 278, 119537.	3.9	9
24	Health and ecological risk assessment and simulation of heavy metal-contaminated soil of Tehran landfill. <i>RSC Advances</i> , 2021, 11, 8080-8095.	1.7	33
25	Effective removal of hexavalent chromium using microbial cellulose/polyaniline cathode and nanosized FeS ₂ in the form of an integrated electrochemical system. <i>Journal of Water Process Engineering</i> , 2021, 44, 102333.	2.6	7
26	Enhanced biodegradation of styrene vapors in the biotrickling filter inoculated with biosurfactant-generating bacteria under H ₂ O ₂ stimulation. <i>Science of the Total Environment</i> , 2020, 704, 135325.	3.9	36
27	Advanced biodegradation process of atrazine in the peroxidase-mediated sequencing batch reactor (SBR) and moving-bed SBR (MSBR): mineralization and detoxification. <i>Journal of Environmental Health Science & Engineering</i> , 2020, 18, 433-439.	1.4	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. <i>Chemical Engineering Journal</i> , 2020, 400, 125896.	6.6	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. <i>RSC Advances</i> , 2020, 10, 22500-22514.	1.7	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. <i>Separation and Purification Technology</i> , 2020, 242, 116821.	3.9	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. <i>Journal of Environmental Management</i> , 2020, 271, 110941.	3.8	33
32	A modeling concept on removal of VOCs in wire-tube non-thermal plasma, considering electrical and structural factors. <i>Environmental Monitoring and Assessment</i> , 2020, 192, 280.	1.3	5
33	Evaluation of urethral stricture after transurethral resection of the prostate in benign prostatic hypertrophy patients. <i>Chirurgia (Turin)</i> , 2020, 33, .	0.0	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. <i>Separation and Purification Technology</i> , 2019, 229, 115803.	3.9	25
35	Facile green synthesis of zinc oxide nanoparticles using <i>Thymus vulgaris</i> extract, characterization, and mechanism of chromium photocatalytic reduction. <i>Materials Research Express</i> , 2019, 6, 115093.	0.8	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. <i>Water Research</i> , 2019, 166, 115061.	5.3	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.	1.8	9
38	Bacterial peroxidase-mediated enhanced biodegradation and mineralization of bisphenol A in a batch bioreactor. <i>Chemosphere</i> , 2019, 222, 549-555.	4.2	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.	2.7	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.	2.7	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.	0.7	6
42	The enhanced catalytic potential of sulfur-doped MgO (S-MgO) nanoparticles in activation of peroxydisulfates for advanced oxidation of acetaminophen. <i>Chemical Engineering Journal</i> , 2019, 371, 404-413.	6.6	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.	2.1	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.	6.5	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.	2.6	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.	6.6	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.	6.6	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.	6.6	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.	3.1	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.	2.3	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.	3.8	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.	1.7	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.	6.6	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.	1.8	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.	4.2	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.	6.6	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.	1.0	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.	6.6	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.	3.9	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.	6.6	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.	4.2	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.	2.9	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.	2.3	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.	2.7	29
65	Decomposition of benzene using wire-tube AC/DC discharge reactors. <i>Journal of Electrostatics</i> , 2017, 87, 158-166.	1.0	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.	3.9	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.	6.6	65
68	Preparation, characterization and atrazine adsorption potential of mesoporous carbonate-induced activated biochar (CAB) from <i>Calligonum Comosum</i> biomass: Parametric experiments and kinetics, equilibrium and thermodynamic modeling. <i>Journal of Molecular Liquids</i> , 2017, 242, 40-52.	2.3	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.	6.6	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.	6.6	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.	3.9	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.	0.2	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. <i>Journal of Hazardous Materials</i> , 2016, 318, 329-338.	6.5	46
74	The selective direct oxidation of ammonium in the contaminated water to nitrogen gas using the chemical-less VUV photochemical continuous-flow reactor. <i>Chemical Engineering Journal</i> , 2016, 295, 57-63.	6.6	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. <i>Journal of Hazardous Materials</i> , 2016, 313, 170-178.	6.5	31
76	Electrochemically enhancement of the anaerobic baffled reactor performance as an appropriate technology for treatment of municipal wastewater in developing countries. <i>Sustainable Environment Research</i> , 2016, 26, 203-208.	2.1	18
77	Investigation of furfural biodegradation in a continuous inflow cyclic biological reactor. <i>Water Science and Technology</i> , 2016, 73, 292-301.	1.2	12
78	Degradation and mineralization of diazinon pesticide in UVC and UVC/TiO ₂ process. <i>Desalination and Water Treatment</i> , 2016, 57, 3782-3790.	1.0	31
79	Homogenous VUV advanced oxidation process for enhanced degradation and mineralization of antibiotics in contaminated water. <i>Ecotoxicology and Environmental Safety</i> , 2016, 125, 72-77.	2.9	54
80	High-rate adsorption of acetaminophen from the contaminated water onto double-oxidized graphene oxide. <i>Chemical Engineering Journal</i> , 2016, 287, 665-673.	6.6	87
81	Adsorption capacity of NH ₄ ⁺ -induced activated carbon for removing sodium dodecyl sulfate from water. <i>Desalination and Water Treatment</i> , 2016, 57, 11283-11290.	1.0	5
82	Anoxic biodegradation of petroleum hydrocarbons in saline media using denitrifier biogranules. <i>Ecotoxicology and Environmental Safety</i> , 2016, 129, 51-56.	2.9	9
83	Comparing the efficacy of VUV and UVC advanced oxidation processes for deg. <i>Chemical Engineering Journal</i> , 2016, 294, 273-280.	6.6	49
84	Toluene removal from waste air stream by the catalytic ozonation process with MgO/GAC composite as catalyst. <i>Journal of Hazardous Materials</i> , 2016, 306, 348-358.	6.5	52
85	Removal of acetaminophen from the contaminated water using adsorption onto carbon activated with NH ₄ ⁺ . <i>Desalination and Water Treatment</i> , 2016, 57, 12861-12873.	1.0	55
86	INVESTIGATION OF AMMONIUM ION ADSORPTION ONTO REGENERATED SPENT BLEACHING EARTH: PARAMETERS AND EQUILIBRIUM STUDY. <i>Environmental Engineering and Management Journal</i> , 2016, 15, 773-782.	0.2	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. <i>Chemical Engineering Journal</i> , 2015, 280, 121-131.	6.6	41
88	Simultaneous removal of Cr(VI) from water containing sulfate using nanofiltration. <i>Desalination and Water Treatment</i> , 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. <i>Journal of Environmental Management</i> , 2015, 157, 262-266.	3.8	40
90	Enhanced biological denitrification in the cyclic rotating bed reactor with catechol as carbon source. <i>Bioresource Technology</i> , 2015, 189, 266-272.	4.8	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. <i>Chemical Engineering Research and Design</i> , 2015, 97, 91-99.	2.7	23
92	Advanced reduction of Cr(VI) in real chrome-plating wastewater using a VUV photoreactor: Batch and continuous-flow experiments. <i>Separation and Purification Technology</i> , 2015, 151, 218-224.	3.9	34
93	High-rate biological denitrification in the cyclic rotating-bed biological reactor: Effect of $\frac{COD}{NO_3^-}$ overflow="scroll">< mml:mrow>< mml:mtext>COD</mml:mtext>< mml:mo>/</mml:mo>< mml:mrow>< mml:mtext>NO ₃ ⁻ </mml:mtext>< mml:mo>/</mml:mo>< mml:mtext>NO ₃ ⁻ </mml:mtext> concentration and salinity and the phylogenetic analysis of denitrifiers. <i>Bioresource Technology</i> , 2015, 197, 482-488.	4.8	107
94	Degradation of Organic Matter of Municipal Sewage Sludge Using Ultrasound Treatment in Shiraz Wastewater Treatment Plant. <i>Health Scope</i> , 2015, 4, .	0.4	6
95	DECOLORIZATION AND MINERALIZATION OF REACTIVE RED 198 IN SALINE WATER: PERFORMANCE COMPARISON OF PHOTOLYSIS, UV/TiO ₂ , AND UV/ZNO PROCESSES. <i>Environmental Engineering and Management Journal</i> , 2015, 14, 1027-1036.	0.2	0
96	Oily wastewaters treatment using <i>Pseudomonas</i> sp. isolated from the compost fertilizer. <i>Journal of Environmental Health Science & Engineering</i> , 2014, 12, 77.	1.4	26
97	The degradation and mineralization of catechol using ozonation catalyzed with MgO/GAC composite in a fluidized bed reactor. <i>Chemical Engineering Journal</i> , 2014, 249, 302-310.	6.6	80
98	The investigation of the LED-activated FeNS-TiO ₂ nanocatalyst for photocatalytic degradation and mineralization of organophosphate pesticides in water. <i>Water Research</i> , 2014, 59, 130-144.	5.3	116
99	Removal of amoxicillin from contaminated water using NH ₄ Cl-activated carbon: Continuous flow fixed-bed adsorption and catalytic ozonation regeneration. <i>Chemical Engineering Journal</i> , 2014, 236, 538-544.	6.6	80
100	Comparing the efficacy of UVC, UVC/ZnO and VUV processes for oxidation of organophosphate pesticides in water. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2014, 290, 86-93.	2.0	54
101	The performance of electrochemical peroxidation process for COD reduction and biodegradability improvement of the wastewater from a paper recycling plant. <i>Separation and Purification Technology</i> , 2014, 132, 182-186.	3.9	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. <i>International Biodeterioration and Biodegradation</i> , 2014, 90, 106-114.	1.9	37
103	The biodegradation and COD removal of 2-chlorophenol in a granular anoxic baffled reactor. <i>Journal of Biotechnology</i> , 2014, 184, 111-117.	1.9	33
104	Removal of Furfural From Wastewater Using Integrated Catalytic Ozonation and Biological Approaches. <i>Avicenna Journal of Environmental Health Engineering</i> , 2014, 1, .	0.3	6
105	Biological degradation of catechol in wastewater using the sequencing continuous-inflow reactor (SCR). <i>Journal of Environmental Health Science & Engineering</i> , 2013, 11, 3.	1.4	28
106	Development of innovative computer software to facilitate the setup and computation of water quality index. <i>Journal of Environmental Health Science & Engineering</i> , 2013, 11, 1.	1.4	76
107	Preparation, characterization and adsorption potential of the NH ₄ Cl-induced activated carbon for the removal of amoxicillin antibiotic from water. <i>Chemical Engineering Journal</i> , 2013, 217, 119-128.	6.6	255
108	Degradation and mineralization of furfural in aqueous solutions using heterogeneous catalytic ozonation. <i>Desalination and Water Treatment</i> , 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.	6.6	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.	4.8	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.	6.6	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.	2.2	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.	1.2	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.	4.8	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.	2.7	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.	6.5	41
119	Removal of petroleum hydrocarbons from contaminated groundwater using an electrocoagulation process: Batch and continuous experiments. <i>Desalination</i> , 2011, 278, 288-294.	4.0	66
120	The influence of operational parameters on elimination of cyanide from wastewater using the electrocoagulation process. <i>Desalination</i> , 2011, 280, 127-133.	4.0	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.	2.7	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.	0.8	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.	4.8	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.	6.6	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.	3.9	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.	1.2	23

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134	Biosorption of chromium(VI) from industrial wastewater onto pistachio hull waste biomass. <i>Chemical Engineering Journal</i> , 2010, 162, 893-900.	6.6	211
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143	Removal of Sodium Dodecyl Sulfate in an Intermittent Cycle Extended Aeration System. <i>Pakistan Journal of Biological Sciences</i> , 2008, 11, 290-293.	0.2	10
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