List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Co-composting of green waste and food waste at low C/N ratio. Waste Management, 2010, 30, 602-609.	7.4	328
2	Co-existence of anammox and denitrification for simultaneous nitrogen and carbon removal—Strategies and issues. Journal of Hazardous Materials, 2010, 178, 1-9.	12.4	279
3	Simultaneous partial nitrification, anaerobic ammonium oxidation and denitrification (SNAD) in a full-scale landfill-leachate treatment plant. Journal of Hazardous Materials, 2010, 175, 622-628.	12.4	214
4	Microbial fuel cell-based biosensor for online monitoring wastewater quality: A critical review. Science of the Total Environment, 2020, 712, 135612.	8.0	143
5	Adsorption and desorption characteristics of hydrophobic pesticide endosulfan in four Indian soils. Chemosphere, 2006, 62, 1064-1077.	8.2	139
6	Development of simultaneous partial nitrification, anammox and denitrification (SNAD) process in a sequential batch reactor. Bioresource Technology, 2011, 102, 5514-5519.	9.6	123
7	Evaluation of single-component and multi-component adsorption of metronidazole, phosphate and nitrate on activated carbon from Prosopıs julıflora. Chemical Engineering Journal, 2018, 346, 525-534.	12.7	119
8	Antagonistic and synergistic analysis of antibiotic adsorption on Prosopis juliflora activated carbon in multicomponent systems. Chemical Engineering Journal, 2020, 381, 122713.	12.7	90
9	Photocatalytic degradation of carbofuran by TiO2-coated activated carbon: Model for kinetic, electrical energy per order and economic analysis. Journal of Environmental Management, 2016, 181, 201-207.	7.8	78
10	Bioremediation of endosulfan contaminated soil and water—Optimization of operating conditions in laboratory scale reactors. Journal of Hazardous Materials, 2006, 136, 354-364.	12.4	76
11	Sequential coagulation/flocculation and microwave-persulfate processes for landfill leachate treatment: Assessment of bio-toxicity, effect of pretreatment and cost-analysis. Waste Management, 2019, 85, 18-29.	7.4	76
12	Nano-bubble flotation technology with coagulation process for the cost-effective treatment of chemical mechanical polishing wastewater. Separation and Purification Technology, 2007, 58, 61-67.	7.9	73
13	Effect of ZnO morphology on GO-ZnO modified polyamide reverse osmosis membranes for desalination. Desalination, 2019, 467, 245-256.	8.2	73
14	Anaerobic biotransformation of fluorene and phenanthrene by sulfate-reducing bacteria and identification of biotransformation pathway. Journal of Hazardous Materials, 2009, 164, 847-855.	12.4	70
15	Synthesis and application of stable, reusable TiO2 polymeric composites for photocatalytic removal of metronidazole: Removal kinetics and density functional analysis. Chemical Engineering Journal, 2019, 359, 963-975.	12.7	60
16	Boosted sono-oxidative catalytic degradation of Brilliant green dye by magnetic MgFe2O4 catalyst: Degradation mechanism, assessment of bio-toxicity and cost analysis. Ultrasonics Sonochemistry, 2021, 75, 105592.	8.2	57
17	Photocatalytic-oxidation and photo-persulfate-oxidation of sulfadiazine in a laboratory-scale reactor: Analysis of catalyst support, oxidant dosage, removal-rate and degradation pathway. Journal of Environmental Management, 2018, 222, 164-173.	7.8	55
18	Mature landfill leachate treatment using sonolytic-persulfate/hydrogen peroxide oxidation: Optimization of process parameters. Ultrasonics Sonochemistry, 2019, 54, 210-219.	8.2	55

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19	Enrichment and Isolation of a Mixed Bacterial Culture for Complete Mineralization of Endosulfan. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2006, 41, 81-96.	1.5	51
20	Pharmaceutical products as emerging contaminant in water: relevance for developing nations and identification of critical compounds for Indian environment. Environmental Monitoring and Assessment, 2018, 190, 288.	2.7	50
21	Degradation kinetics of di-(2-ethylhexyl) phthalate (DEHP) and organic matter of sewage sludge during composting. Journal of Hazardous Materials, 2008, 154, 55-62.	12.4	48
22	Effect of supplementary carbon addition in the treatment of low C/N high-technology industrial wastewater by MBR. Bioresource Technology, 2012, 113, 148-153.	9.6	47
23	Photochemical degradation of carbofuran and elucidation of removal mechanism. Chemical Engineering Journal, 2011, 166, 150-156.	12.7	43
24	Review on polyaniline as reductive photocatalyst for the construction of the visible light active heterojunction for the generation of reactive oxygen species. Journal of Environmental Chemical Engineering, 2021, 9, 105725.	6.7	42
25	Morphological effect of ZnO nanostructures on desalination performance and antibacterial activity of thin-film nanocomposite (TFN) membrane. Desalination, 2020, 495, 114673.	8.2	39
26	Simultaneous sulfate reduction and copper removal by a PVA-immobilized sulfate reducing bacterial culture. Bioresource Technology, 2010, 101, 4354-4361.	9.6	37
27	Suitability of microwave and microwave-coupled systems for landfill leachate treatment: An overview. Journal of Environmental Chemical Engineering, 2017, 5, 6165-6178.	6.7	36
28	Kinetics, equilibrium data and modeling studies for the sorption of chromium by Prosopis juliflora bark carbon. Arabian Journal of Chemistry, 2017, 10, S1567-S1577.	4.9	35
29	Photocatalytic degradation of metformin and amoxicillin in synthetic hospital wastewater: effect of classical parameters. International Journal of Environmental Science and Technology, 2019, 16, 5463-5474.	3.5	35
30	Livestock Wastewater Treatment in Batch and Continuous Photocatalytic Systems: Performance and Economic Analyses. Water, Air, and Soil Pollution, 2015, 226, 1.	2.4	34
31	Photo-Fenton pretreatment of carbofuran – Analyses via experimental design, detoxification and biodegradability enhancement. Separation and Purification Technology, 2011, 81, 325-331.	7.9	33
32	Analysis of metronidazole removal and micro-toxicity in photolytic systems: Effects of persulfate dosage, anions and reactor operation-mode. Journal of Environmental Chemical Engineering, 2018, 6, 754-761.	6.7	33
33	Immobilized biomass systems: an approach for trace organics removal from wastewater and environmental remediation. Current Opinion in Environmental Science and Health, 2019, 12, 18-29.	4.1	33
34	Pb removal in pervious concrete filter: Effects of accelerated carbonation and hydraulic retention time. Construction and Building Materials, 2018, 174, 224-232.	7.2	30
35	Metronidazole removal in powder-activated carbon and concrete-containing graphene adsorption systems: Estimation of kinetic, equilibrium and thermodynamic parameters and optimization of adsorption by a central composite design. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2017, 52, 1269-1283.	1.7	29
36	Microwave-assisted persulfate/peroxymonosulfate process for environmental remediation. Current Opinion in Chemical Engineering, 2022, 36, 100826.	7.8	29

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37	Endosulfan Mineralization by Bacterial Isolates and Possible Degradation Pathway Identification. Bioremediation Journal, 2006, 10, 179-190.	2.0	28
38	Simultaneous removal of antibiotic and nutrients via Prosopis juliflora activated carbon column: Performance evaluation, effect of operational parameters and breakthrough modeling. Chemosphere, 2021, 262, 127820.	8.2	28
39	Determination of optimal phenanthrene, sulfate and biomass concentrations for anaerobic biodegradation of phenanthrene by sulfate-reducing bacteria and elucidation of metabolic pathway. Journal of Hazardous Materials, 2009, 171, 1112-1119.	12.4	25
40	Degradation of carbofuran-contaminated water by the Fenton process. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2009, 44, 914-920.	1.7	25
41	Landfill-leachate treatment by simultaneous partial nitrification, anammox and denitrification (SNAD) process. Desalination and Water Treatment, 2011, 32, 4-9.	1.0	25
42	High-rate composting of barley dregs with sewage sludge in a pilot scale bioreactor. Bioresource Technology, 2008, 99, 2210-2217.	9.6	24
43	Simultaneous degradation of anionic and cationic dyes from multi-dye systems using falling film photoreactor: performance evaluation, kinetic and toxicity analysis. Journal of Environmental Chemical Engineering, 2020, 8, 104486.	6.7	24
44	Performance Analysis of Photolytic, Photocatalytic, and Adsorption Systems in the Degradation of Metronidazole on the Perspective of Removal Rate and Energy Consumption. Water, Air, and Soil Pollution, 2017, 228, 1.	2.4	23
45	Carbofuran removal in continuous-photocatalytic reactor: Reactor optimization, rate-constant determination and carbofuran degradation pathway analysis. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2017, 52, 353-360.	1.5	19
46	Performance evaluation of cement–carbon composite for adsorptive removal of acidic and basic dyes from single and multi-component systems. Environmental Technology and Innovation, 2019, 16, 100478.	6.1	19
47	Enhanced persulfate activated sono-catalytic degradation of brilliant green dye by magnetic CaFe2O4 nanoparticles: Degradation pathway study, assessment of bio-toxicity and cost analysis. Surfaces and Interfaces, 2021, 26, 101412.	3.0	19
48	Sulfamethoxazole in poultry wastewater: Identification, treatability and degradation pathway determination in a membrane-photocatalytic slurry reactor. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2015, 50, 1011-1019.	1.7	17
49	Electrochemical oxidation of distillery wastewater by dimensionally stable Ti-RuO2 anodes. Environmental Technology and Innovation, 2020, 20, 101181.	6.1	16
50	Assessment of di-(2-ethylhexyl)phthalate (DEHP) Removal in a Rotating Biological Contactor and Activated Sludge Process Treating Domestic Wastewater. Separation Science and Technology, 2010, 45, 221-227.	2.5	15
51	Biodegradation of endosulfan-contaminated soil in a pilot-scale reactor-bioaugmented with mixed bacterial culture. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2007, 42, 707-715.	1.5	13
52	Melanoidin removal in multi-oxidant supplemented microwave system: Optimization of operating conditions using response surface methodology and cost estimation. Journal of Water Process Engineering, 2020, 33, 101008.	5.6	13
53	Biodegradation of soil-applied polycyclic aromatic hydrocarbons by sulfate-reducing bacterial consortium. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2009, 44, 12-20.	1.7	11
54	Microwave induced catalytic treatment of brilliant green dye with carbon doped zinc oxide nanoparticles: Central composite design, toxicity assessment and cost analysis. Environmental Nanotechnology, Monitoring and Management, 2020, 14, 100361.	2.9	11

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55	Influence of organic matter and solute concentration on nitrate sorption in batch and diffusion-cell experiments. Bioresource Technology, 2011, 102, 5283-5289.	9.6	10
56	Interpretation of redox potential variation during biological denitrification using linear non-equilibrium thermodynamic model. International Biodeterioration and Biodegradation, 2012, 67, 28-39.	3.9	9
57	Extent of Precipitation and Sorption During Copper Removal from Synthetic Wastewater in the Presence of Sulfate-Reducing Bacteria. Environmental Engineering Science, 2009, 26, 1087-1096.	1.6	8
58	Heavy Metal Removal and Leaching from Pervious Concrete Filter: Influence of Operating Water Head and Reduced Graphene Oxide Addition. Journal of Environmental Engineering, ASCE, 2019, 145, .	1.4	8
59	Facile synthesis of graphitic carbon nitride from acetic acid pretreatment to activate persulfate in presence of blue light for photocatalytic removal of metronidazole. Chemosphere, 2021, 276, 130171.	8.2	8
60	Assessment of Diâ€(2â€Ethylhexyl) Phthalate (DEHP) in Municipal and Industrial Sludges of Taiwan by Supercritical Fluid Extraction (SFE) and Gas Chromatography with Electron Ionization Detection. Separation Science and Technology, 2008, 43, 132-146.	2.5	7
61	Photocatalytic degradation of poultry wastewater using activated carbon-supported titanium dioxide. Desalination and Water Treatment, 2015, 54, 3279-3290.	1.0	7
62	Starch and powdered activated carbon amended alginate-biomass beads for metronidazole and bulk organic matter removal: Synthesis, optimization, reaction kinetics and reusability. Journal of Environmental Chemical Engineering, 2021, 9, 106102.	6.7	7
63	Sulfamethoxazole removal in membrane-photocatalytic reactor system – experimentation and modelling. Environmental Technology (United Kingdom), 2019, 40, 1697-1704.	2.2	6
64	Aminoclayâ€Graphene Oxide Composite for Thinâ€Film Composite Reverse Osmosis Membranes with Unprecedented Water Flux and Fouling Resistance. Advanced Materials Interfaces, 2021, 8, 2100533.	3.7	6
65	Treatment of carbofuran-bearing synthetic wastewater using UASB process. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2007, 42, 189-199.	1.5	5
66	Anammox Processes. , 2017, , 381-407.		5
67	Leachate treatment using sequential microwave and algal photo-bioreactor: Effect of pretreatment on reactor performance and biomass productivity. Journal of Environmental Management, 2022, 311, 114830.	7.8	5
68	Development of Linear Irreversible Thermodynamic Model for Oxidation Reduction Potential in Environmental Microbial System. Biophysical Journal, 2007, 93, 787-794.	0.5	4
69	Versatility of fluorene metabolite (phenol) in fluorene biodegradation by a sulfate reducing culture. International Biodeterioration and Biodegradation, 2011, 65, 522-526.	3.9	4
70	Synthesis and Application of Chitosan–Graphene Oxide and Titanium-Dioxide Coated Granular Activated Carbon Composites for Adsorptive and Photocatalytic Removal of Antibiotics. Journal of Hazardous, Toxic, and Radioactive Waste, 2021, 25, .	2.0	4
71	Iron oxide-modified pervious concrete filter for lead removal from wastewater. Environmental Technology and Innovation, 2022, 28, 102681.	6.1	4
72	Granular Activated Carbon Supported Titanium Dioxide Photocatalytic Process for Carbofuran Removal. , 2016, , 195-201.		1

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73	Remediation of Endosulfan Contaminated System by Microbes. Environmental Science and Engineering, 2017, , 59-81.	0.2	1
74	Biodegradation of Emerging Organic Contaminants by Composting. Handbook of Environmental Chemistry, 2012, , 113-136.	0.4	0
75	Metronidazole Removal from Wastewater via Biomass Coimmobilized with Powdered Activated Carbon: Effects of PAC, Bead Volume, and Organic Carbon Content. Journal of Hazardous, Toxic, and Radioactive Waste, 2022, 26, .	2.0	0