

Pharmaceuticals of Emerging Concern in Aquatic Systems and Removal Methods

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Citation Report

#	ARTICLE	IF	CITATIONS
2	Degradation of Sulfamethoxazole Using Iron-Doped Titania and Simulated Solar Radiation. <i>Catalysts</i> , 2019, 9, 612.	1.6	31
3	Carbamazepine Degradation Mediated by Light in the Presence of Humic Substances-Coated Magnetite Nanoparticles. <i>Nanomaterials</i> , 2019, 9, 1379.	1.9	15
4	Advanced Oxidation Process with Peracetic Acid and Fe(II) for Contaminant Degradation. <i>Environmental Science & Technology</i> , 2019, 53, 13312-13322.	4.6	294
5	Clay minerals for the removal of pharmaceuticals: Initial investigations of their adsorption properties in real wastewater effluents. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2019, 12, 100266.	1.7	13
6	Emerging technologies for arsenic removal from drinking water in rural and peri-urban areas: Methods, experience from, and options for Latin America. <i>Science of the Total Environment</i> , 2019, 694, 133427.	3.9	113
7	Photocatalytic Degradation of Selected Pharmaceuticals Using g-C ₃ N ₄ and TiO ₂ Nanomaterials. <i>Nanomaterials</i> , 2019, 9, 1194.	1.9	39
8	Functionalization of zigzag graphene nanoribbon with DNA nucleobases-A DFT study. <i>Applied Surface Science</i> , 2019, 496, 143667.	3.1	7
9	Aqueous carbofuran removal using slow pyrolyzed sugarcane bagasse biochar: equilibrium and fixed-bed studies. <i>RSC Advances</i> , 2019, 9, 26338-26350.	1.7	39
10	TiO ₂ photocatalysis under natural solar radiation for the degradation of the carbapenem antibiotics imipenem and meropenem in aqueous solutions at pilot plant scale. <i>Water Research</i> , 2019, 166, 115037.	5.3	67
11	Metal Ion-Bridged Forward Osmosis Membranes for Efficient Pharmaceutical Wastewater Reclamation. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 37163-37171.	4.0	36
12	An overview of carcinogenic pollutants in groundwater of India. <i>Biocatalysis and Agricultural Biotechnology</i> , 2019, 21, 101288.	1.5	54
13	Removal of antibiotics in aqueous media by using new synthesized bio-based poly(ethylene) Tj ETQq1 1 0.784314 r _g BT /Overlock 10 Tj ETQq1 1 0.784314 r _g BT /Overlock 10	4.2	68
14	Ibuprofen and caffeine removal in vertical flow and free-floating macrophyte constructed wetlands with <i>Heliconia rostrata</i> and <i>Eichornia crassipes</i> . <i>Chemical Engineering Journal</i> , 2019, 373, 458-467.	6.6	76
15	Correlating effluent concentrations and bench-scale experiments to assess the transformation of endocrine active compounds in wastewater by UV or chlorination disinfection. <i>Chemosphere</i> , 2019, 226, 565-575.	4.2	14
16	Recent development in the application of immobilized oxidative enzymes for bioremediation of hazardous micropollutants – A review. <i>Chemosphere</i> , 2020, 239, 124716.	4.2	121
17	Fe(II)-promoted activation of peroxymonosulfate by molybdenum disulfide for effective degradation of acetaminophen. <i>Chemical Engineering Journal</i> , 2020, 381, 122718.	6.6	72
18	Interactive effects of diclofenac and copper on bioconcentration and multiple biomarkers in crucian carp (<i>Carassius auratus</i>). <i>Chemosphere</i> , 2020, 242, 125141.	4.2	21
19	Submarine groundwater discharge as a source of pharmaceutical and caffeine residues in coastal ecosystem: Bay of Puck, southern Baltic Sea case study. <i>Science of the Total Environment</i> , 2020, 713, 136522.	3.9	45

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20	Bioaccumulation and glutathione S-transferase activity on <i>Rhinella arenarum</i> tadpoles after short-term exposure to antiretrovirals. <i>Chemosphere</i> , 2020, 246, 125830.	4.2	14
21	Effects of antibiotics on microbial community structure and microbial functions in constructed wetlands treated with artificial root exudates. <i>Environmental Sciences: Processes and Impacts</i> , 2020, 22, 217-226.	1.7	23
22	Mechanistic analysis on the photochemistry of the anti-inflammatory drug etoricoxib in aqueous solution. Cytotoxicity of photoproducts. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 390, 112331.	2.0	6
23	New trend on open solar photoreactors to treat micropollutants by photo-Fenton at circumneutral pH: Increasing optical pathway. <i>Chemical Engineering Journal</i> , 2020, 385, 123982.	6.6	49
24	Overview of the Phototransformation of Wastewater Effluents by High-Resolution Mass Spectrometry. <i>Environmental Science & Technology</i> , 2020, 54, 1816-1826.	4.6	37
25	A review on contamination and removal of sulfamethoxazole from aqueous solution using cleaner techniques: Present and future perspective. <i>Journal of Cleaner Production</i> , 2020, 250, 119553.	4.6	143
26	Theoretical investigation on the contribution of HO [•] , SO ₄ ⁻ and CO ₃ ⁻ radicals to the degradation of phenacetin in water: Mechanisms, kinetics, and toxicity evaluation. <i>Ecotoxicology and Environmental Safety</i> , 2020, 204, 110977.	2.9	18
27	Biodegradation of Doxylamine From Wastewater by a Green Microalga, <i>Scenedesmus obliquus</i> . <i>Frontiers in Microbiology</i> , 2020, 11, 584020.	1.5	12
28	An Update of the Occurrence of Organic Contaminants of Emerging Concern in the Canary Islands (Spain). <i>Water (Switzerland)</i> , 2020, 12, 2548.	1.2	3
29	Comparison of the adsorption capacity of acetaminophen on sugarcane bagasse and corn cob by dynamic simulation. <i>Sustainable Environment Research</i> , 2020, 30, .	2.1	18
30	Progress in the removal of pharmaceutical compounds from aqueous solution using layered double hydroxides as adsorbents: A review. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104577.	3.3	25
31	Pharmaceuticals as emerging contaminants in the aquatic environment of Latin America: a review. <i>Environmental Science and Pollution Research</i> , 2020, 27, 44863-44891.	2.7	88
32	Photocatalytic degradation of antibiotic and hydrogen production using diatom-templated 3D WO ₃ -x@mesoporous carbon nanohybrid under visible light irradiation. <i>Journal of Cleaner Production</i> , 2020, 275, 124157.	4.6	27
33	Copper Inhibition of Triplet-Sensitized Phototransformation of Phenolic and Amine Contaminants. <i>Environmental Science & Technology</i> , 2020, 54, 9980-9989.	4.6	22
34	A review on tetracycline removal from aqueous systems by advanced treatment techniques. <i>RSC Advances</i> , 2020, 10, 27081-27095.	1.7	144
35	Influences of feedstock sources and pyrolysis temperature on the properties of biochar and functionality as adsorbents: A meta-analysis. <i>Science of the Total Environment</i> , 2020, 744, 140714.	3.9	313
36	Anti-inflammatory drugs in the Vistula River following the failure of the Warsaw sewage collection system in 2019. <i>Science of the Total Environment</i> , 2020, 745, 140848.	3.9	12
37	Environmental side effects of the injudicious use of antimicrobials in the era of COVID-19. <i>Science of the Total Environment</i> , 2020, 745, 141053.	3.9	96

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38	Detection, transformation, and toxicity of indole-derivative nonsteroidal anti-inflammatory drugs during chlorine disinfection. <i>Chemosphere</i> , 2020, 260, 127579.	4.2	16
39	Extraction of Ibuprofen from Natural Waters Using a Covalent Organic Framework. <i>Molecules</i> , 2020, 25, 3132.	1.7	19
40	Occurrence and risks of antibiotics in an urban river in northeastern Tibetan Plateau. <i>Scientific Reports</i> , 2020, 10, 20054.	1.6	43
41	A pectin/chitosan/zinc oxide nanocomposite for adsorption/photocatalytic remediation of carbamazepine in water samples. <i>RSC Advances</i> , 2020, 10, 40697-40708.	1.7	7
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43	Emerging investigator series: quaternary treatment with algae-assisted oxidation for antibiotics removal and refractory organics degradation in livestock wastewater effluent. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 3262-3275.	1.2	12
44	Preparation of magnetic metal-organic frameworks with high binding capacity for removal of two fungicides from aqueous environments. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 90, 178-189.	2.9	53
45	Submarine groundwater discharge: A previously undocumented source of contaminants of emerging concern to the coastal ocean (Sydney, Australia). <i>Marine Pollution Bulletin</i> , 2020, 160, 111519.	2.3	26
46	Mechanistic pathways for the degradation of SMX drug and floatation of degraded products using Pt co-doped TiO ₂ photocatalysts. <i>RSC Advances</i> , 2020, 10, 27662-27675.	1.7	14
47	Quantification of the electron donating capacity and UV absorbance of dissolved organic matter during ozonation of secondary wastewater effluent by an assay and an automated analyzer. <i>Water Research</i> , 2020, 185, 116235.	5.3	44
48	Multi-component adsorption study by using bone char: modelling and removal mechanisms. <i>Environmental Technology (United Kingdom)</i> , 2022, 43, 789-804.	1.2	11
50	Roles of structure defect, oxygen groups and heteroatom doping on carbon in nonradical oxidation of water contaminants. <i>Water Research</i> , 2020, 185, 116244.	5.3	194
51	β-blockers in the environment: Distribution, transformation, and ecotoxicity. <i>Environmental Pollution</i> , 2020, 266, 115269.	3.7	42
52	Bioremediation of emerging micropollutants in irrigation water. The alternative of microalgae-based treatments. <i>Journal of Environmental Management</i> , 2020, 274, 111081.	3.8	21
53	Occurrence and risk assessment of steroid estrogens in environmental water samples: A five-year worldwide perspective. <i>Environmental Pollution</i> , 2020, 267, 115405.	3.7	57
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56	Photochemical study of the highly used corticosteroids dexamethasone and prednisone. Effects of micellar confinement and cytotoxicity analysis of photoproducts. <i>New Journal of Chemistry</i> , 2020, 44, 18119-18129.	1.4	8

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58	Removal and Degradation of Pharmaceutically Active Compounds (PhACs) in Wastewaters by Solar Advanced Oxidation Processes. Handbook of Environmental Chemistry, 2020, , 299-326.	0.2	2
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69	Green synthesized Fe/Pd and in-situ Bentonite-Fe/Pd composite for efficient tetracycline removal. Journal of Environmental Chemical Engineering, 2020, 8, 104126.	3.3	32
70	Enhanced removal of pharmaceuticals and personal care products from real municipal wastewater using an electrochemical membrane bioreactor. Bioresource Technology, 2020, 311, 123579.	4.8	55
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73	UV-Fenton degradation of diclofenac, sulpiride, sulfamethoxazole and sulfisomidine: Degradation mechanisms, transformation products, toxicity evolution and effect of real water matrix. Chemosphere, 2020, 258, 127351.	4.2	44
74	Organic micropollutants in water and sediment from Lake Mälaren, Sweden. Chemosphere, 2020, 258, 127293.	4.2	53

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76	Municipal Solid Waste Landfills: An Underestimated Source of Pharmaceutical and Personal Care Products in the Water Environment. <i>Environmental Science & Technology</i> , 2020, 54, 9757-9768.	4.6	157
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78	In Vitro Metabolic Transformation of Pharmaceuticals by Hepatic S9 Fractions from Common Carp (<i>Cyprinus carpio</i>). <i>Molecules</i> , 2020, 25, 2690.	1.7	2
79	Understanding of ultrasound enhanced electrochemical oxidation of persistent organic pollutants. <i>Journal of Water Process Engineering</i> , 2020, 37, 101378.	2.6	21
80	Polystyrene Magnetic Nanocomposites as Antibiotic Adsorbents. <i>Polymers</i> , 2020, 12, 1313.	2.0	32
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82	Rapid remediation of pharmaceuticals from wastewater using magnetic Fe ₃ O ₄ /Douglas fir biochar adsorbents. <i>Chemosphere</i> , 2020, 258, 127336.	4.2	64
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84	Influence of boron doped diamond electrodes properties on the elimination of selected pharmaceuticals from wastewater. <i>Journal of Electroanalytical Chemistry</i> , 2020, 862, 114007.	1.9	8
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89	Batch and Continuous Fixed-Bed Lead Removal Using Himalayan Pine Needle Biochar: Isotherm and Kinetic Studies. <i>ACS Omega</i> , 2020, 5, 16366-16378.	1.6	39
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93	Organically Modified Bentonite as an Efficient and Reusable Adsorbent for Triclosan Removal from Water. <i>Langmuir</i> , 2020, 36, 9025-9034.	1.6	22
94	Feasibility of using plastic wastes as constructed wetland substrates and potential for pharmaceuticals and personal care products removal. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2020, 55, 1241-1246.	0.9	3
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98	Pharmaceuticals as emerging micropollutants in aquatic environments. , 2020, , 35-90.		9
99	Removal of ofloxacin with biofuel production by oleaginous microalgae <i>Scenedesmus obliquus</i> . <i>Bioresource Technology</i> , 2020, 315, 123738.	4.8	48
100	Î²-Cyclodextrin Polymerized in Cross-Flowing Channels of Biomass Sawdust for Rapid and Highly Efficient Pharmaceutical Pollutants Removal from Water. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 32817-32826.	4.0	28
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104	Spatial and seasonal trends of organic micropollutants in Swedenâ€™s most important drinking water reservoir. <i>Chemosphere</i> , 2020, 249, 126168.	4.2	43
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112	Simulation-based evaluation of zeolite adsorbents for the removal of emerging contaminants. <i>Materials Advances</i> , 2020, 1, 86-98.	2.6	17
113	Antibiotics Degradation and Bacteria Inactivation in Water by Cold Atmospheric Plasma Discharges Above and Below Water Surface. <i>Plasma Chemistry and Plasma Processing</i> , 2020, 40, 971-983.	1.1	30
114	Feasibility of the use of <i>Lentinula edodes</i> mycelium in terbinafine remediation. <i>3 Biotech</i> , 2020, 10, 184.	1.1	4
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140	Water-soluble graphitic carbon nitride for clean environmental applications. <i>Environmental Pollution</i> , 2021, 269, 116172.	3.7	26
141	<i>Environmental Microbiology and Biotechnology</i> . , 2021, , .		4
142	Miniaturized analytical methods for determination of environmental contaminants of emerging concern "A review. <i>Analytica Chimica Acta</i> , 2021, 1158, 238108.	2.6	49
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147	Acute effects of acetaminophen on the developmental, swimming performance and cardiovascular activities of the African catfish embryos/larvae (<i>Clarias gariepinus</i>). <i>Ecotoxicology and Environmental Safety</i> , 2021, 208, 111482.	2.9	18
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