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Ecotoxicological impact of pharmaceuticals found in treated wastewaters: study of carbamazepine, clofibric acid, and diclofenac

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253	Uptake and Disposition of Select Pharmaceuticals by Bluegill Exposed at Constant Concentrations in a Flow-Through Aquatic Exposure System. <b>2017</b> , 51, 4434-4444	26
252	Identification of critical contaminants in wastewater effluent for managed aquifer recharge. <b>2017</b> , 172, 294-301	19
251	Adsorption Behaviors of Organic Micropollutants on Zirconium Metal-Organic Framework UiO-66: Analysis of Surface Interactions. <b>2017</b> , 9, 41043-41054	188

250	Presence of active pharmaceutical ingredients in the continuum of surface and ground water used in drinking water production. <b>2017</b> , 24, 26778-26791		16
249	Assessing the ecotoxicity of potentially neurotoxic substances - Evaluation of a behavioural parameter in the embryogenesis of <i>Danio rerio</i> . <b>2017</b> , 186, 43-50		27
248	Activated biochar derived from pomelo peel as a high-capacity sorbent for removal of carbamazepine from aqueous solution. <b>2017</b> , 7, 54969-54979		38
247	Photoelectrocatalytic degradation of pharmaceutical carbamazepine using Sb-doped Sn80%-W20%-oxide electrodes. <b>2017</b> , 188, 52-59		24
246	Deriving acute and chronic predicted no effect concentrations of pharmaceuticals and personal care products based on species sensitivity distributions. <i>Ecotoxicology and Environmental Safety</i> , <b>2017</b> , 144, 537-542	7	18
245	Comparative study of diclofenac-induced embryotoxicity and teratogenesis in <i>Xenopus laevis</i> and <i>Lithobates catesbeianus</i> , using the frog embryo teratogenesis assay: <i>Xenopus</i> (FETAX). <b>2017</b> , 574, 467-475		25
244	Do pharmaceuticals reach and affect the aquatic ecosystems in Brazil? A critical review of current studies in a developing country. <b>2017</b> , 24, 1200-1218		50
243	Degradation of pharmaceutical diclofenac and ibuprofen in aqueous solution, a direct comparison of ozonation, photocatalysis, and non-thermal plasma. <b>2017</b> , 313, 1033-1041		139
242	Toxicity of individual pharmaceuticals and their mixtures to <i>Aliivibrio fischeri</i> : Experimental results for single compounds and considerations of their mechanisms of action and potential acute effects on aquatic organisms. <b>2017</b> , 36, 807-814		25
241	Chemical and photocatalytic oxidative degradation of carbamazepine by using metastable Bi <sup>3+</sup> self-doped NaBiO <sub>3</sub> nanosheets as a bifunctional material. <b>2017</b> , 202, 528-538		61
240	Novel Isocyanate-Modified Carrageenan Polymer Materials: Preparation, Characterization and Application Adsorbent Materials of Pharmaceuticals. <b>2017</b> , 9,		8
239	Investigation of pharmaceutically active compounds in an urban receiving water: Occurrence, fate and environmental risk assessment. <i>Ecotoxicology and Environmental Safety</i> , <b>2018</b> , 154, 214-220	7	38
238	A model assessment of the potential of river water to induce the photochemical attenuation of pharmaceuticals downstream of a wastewater treatment plant (Guadiana River, Badajoz, Spain). <b>2018</b> , 198, 473-481		14
237	Toxicity assessment of pharmaceutical compounds on mixed culture from activated sludge using respirometric technique: The role of microbial community structure. <b>2018</b> , 630, 809-819		55
236	Sonocatalytic degradation of carbamazepine and diclofenac in the presence of graphene oxides in aqueous solution. <b>2018</b> , 205, 719-727		34
235	Immunocompetence analysis of the aquatic snail <i>Lymnaea stagnalis</i> exposed to urban wastewaters. <b>2018</b> , 25, 16720-16728		2
234	Biotransformation of carbamazepine by laccase-mediator system: Kinetics, by-products and toxicity assessment. <b>2018</b> , 67, 147-154		31
233	Non-steroidal anti-inflammatory drugs initiate morphological changes but inhibit carotenoid accumulation in <i>Haematococcus pluvialis</i> . <b>2018</b> , 31, 1-13		6

232	Adsorptive removal of carbamazepine using biosynthesized hematite nanoparticles. <b>2018</b> , 9, 122-127	21
231	Occurrence and fate of antibiotics in a wastewater treatment plant and their biological effects on receiving waters in Guizhou. <b>2018</b> , 113, 483-490	46
230	Occurrence and fate of emerging contaminants in municipal wastewater treatment plants from different geographical regions-a review. <b>2018</b> , 133, 182-207	690
229	A tiered approach to assess effects of diclofenac on the brown mussel <i>Perna perna</i> : A contribution to characterize the hazard. <b>2018</b> , 132, 361-370	43
228	Effect of diclofenac on the production of volatile fatty acids from anaerobic fermentation of waste activated sludge. <b>2018</b> , 254, 7-15	55
227	Toxicity assessment of five emerging pollutants, alone and in binary or ternary mixtures, towards three aquatic organisms. <b>2018</b> , 25, 6122-6134	58
226	Determination of a new index of sexual maturity (ISM) in zebra mussel using flow cytometry: interest in ecotoxicology. <b>2018</b> , 25, 11252-11263	3
225	The self-catalysis of ferrate (VI) by its reactive byproducts or reductive substances for the degradation of diclofenac: Kinetics, mechanism and transformation products. <b>2018</b> , 192, 412-418	47
224	Effect of pore structure on the removal of clofibric acid by magnetic anion exchange resin. <b>2018</b> , 191, 817-824	17
223	Investigation of clofibric acid removal by UV/persulfate and UV/chlorine processes: Kinetics and formation of disinfection byproducts during subsequent chlor(am)ination. <b>2018</b> , 331, 364-371	54
222	Adsorption of diclofenac on a magnetic adsorbent based on maghemite: experimental and theoretical studies. <b>2018</b> , 42, 437-449	44
221	Photolytic degradation of ciprofloxacin in solid and aqueous environments: kinetics, phototransformation pathways, and byproducts. <b>2018</b> , 25, 2303-2312	8
220	Potential of the strain <i>Raoultella</i> sp. KDF8 for removal of analgesics. <b>2018</b> , 63, 273-282	13
219	Toxicity of extracts from municipal wastewater to early life stages of Japanese medaka ( <i>Oryzias latipes</i> ) to evaluate removals of micropollutants by wastewater treatment. <b>2018</b> , 37, 136-144	6
218	Detection and Occurrence of PPCPs in the Environment. <b>2018</b> , 119-176	
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215	<i>Tetrahymena pyriformis</i> Phagocytic Activity Test for Rapid Toxicity Assessment of Aquatic Micropollutants. <b>2018</b> , 62, 167	1

214	Removal Processes of Carbamazepine in Constructed Wetlands Treating Secondary Effluent: A Review. <b>2018</b> , 10, 1351	8
213	Uptake and translocation of C-Carbamazepine in soil-plant systems. <b>2018</b> , 243, 1352-1359	10
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211	Occurrence and ecotoxicological assessment of pharmaceuticals: Is there a risk for the Mediterranean aquatic environment?. <b>2018</b> , 639, 1334-1348	141
210	Phytotoxic activity of diclofenac: Evaluation using a model green alga <i>Chlamydomonas reinhardtii</i> with atrazine as a reference substance. <b>2018</b> , 209, 989-997	17
209	Ibuprofen removal from a medicinal effluent: A review on the various techniques for medicinal effluents treatment. <b>2018</b> , 11, 308-320	27
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205	Carbamazepine degradation by UV and UV-assisted AOPs: Kinetics, mechanism and toxicity investigations. <b>2018</b> , 117, 307-314	63
204	Advanced oxidation process-mediated removal of pharmaceuticals from water: A review. <b>2018</b> , 219, 189-207	510
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201	Removal of selected pharmaceuticals and personal care products in reclaimed water during simulated managed aquifer recharge. <b>2018</b> , 640-641, 671-677	19
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197	Continuous flow pulse corona discharge reactor for the tertiary treatment of drinking water: Insights on disinfection and emerging contaminants removal. <b>2019</b> , 355, 269-278	25



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194	Preparation and evaluation of a porous molecularly imprinted polymer for selective recognition of the antiepileptic drug carbamazepine. <b>2019</b> , 176, 108580	12
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181	Fe(III)-citrate enhanced sunlight-driven photocatalysis of aqueous Carbamazepine. <b>2019</b> , 378, 147-155	8
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161	Effective adsorption of diclofenac sodium from neutral aqueous solution by low-cost lignite activated cokes. <b>2020</b> , 384, 121284	35

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158	Occurrence, interactive effects and ecological risk of diclofenac in environmental compartments and biota - a review. <b>2020</b> , 698, 134057	130
157	Advances and limits of two model species for ecotoxicological assessment of carbamazepine, two by-products and their mixture at environmental level in freshwater. <b>2020</b> , 169, 115267	5
156	Ecotoxicological assessment of pharmaceuticals and personal care products using predictive toxicology approaches. <b>2020</b> , 22, 1458-1516	36
155	Preparation and Characterization of Sulfated Cellulose Nanocrystalline and its Composite Membrane for Removal of Tetracycline Hydrochloride in Water. <b>2020</b> , 3, 209-215	6
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134	Occurrence, sources and conventional treatment techniques for various antibiotics present in hospital wastewaters: A critical review. <b>2020</b> , 129, 115921	92
133	Capacity of Two Ornamental Species ( <i>Iris sibirica</i> and <i>Zantedeschia aethiopica</i> ) to Take up, Translocate, and Accumulate Carbamazepine under Hydroponic Conditions. <b>2020</b> , 12, 1272	4
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123	Laccases and peroxidases: The smart, greener and futuristic biocatalytic tools to mitigate recalcitrant emerging pollutants. <b>2020</b> , 714, 136572	105	
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120	Specific adsorption sites and conditions derived by thermal decomposition of activated carbons and adsorbed carbamazepine. <b>2020</b> , 10, 6695	5	
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117	Computational fluid dynamics modeling of ibuprofen removal using a hollow fiber membrane contactor. <b>2021</b> , 40,	4	
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115	Oxidation of diclofenac in water by sodium hypochlorite: Identification of new degradation by-products and their ecotoxicological evaluation. <b>2021</b> , 194, 113762	6	
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109	Effective biomarkers to assess the toxicity of pharmaceutical residues on marine bivalves. <b>2021</b> , 419-455		
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103	Pharmaceuticals and personal care products and their sublethal and lethal effects in aquatic organisms. <b>2021</b> , 29, 142-181	9
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101	Occurrence and ecological risk assessment of pharmaceuticals and cocaine in the urban drainage channels of Santos beaches (S $\tilde{a}$ Paulo, Brazil): a neglected, but sensitive issue. <b>2021</b> , 28, 65595-65609	3
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99	Direct and indirect effects of SARS-CoV-2 on wastewater treatment.. <b>2021</b> , 42, 102193	17
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95	Roles and applications of enzymes for resistant pollutants removal in wastewater treatment. <b>2021</b> , 335, 125278	25
94	Use of combined UASB + eMBR treatment for removal of emerging micropollutants and reduction of fouling.	1
93	Multifactorial Evaluation of Atenolol, Caffeine, Carbamazepine and Ibuprofen on and. <b>2021</b> , 10,	0
92	Photocatalytic oxidation of pharmaceutical contaminants of emerging concern using sunlight and visible radiation: Mechanism and ecotoxicological evaluation. <b>2021</b> , 43, 102204	2
91	Biomarkers for assessing chronic toxicity of carbamazepine, an anticonvulsants drug on <i>Pangasianodon hypophthalmus</i> (Sauvage, 1878). <b>2021</b> , 87, 103691	0
90	Degradation of carbamazepine by UVA/WO/hypochlorite process: Kinetic modelling, water matrix effects, and density functional theory calculations. <b>2021</b> , 201, 111569	1
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87	Spatio-temporal distribution of pharmaceutically active compounds in the River Cauvery and its tributaries, South India. <b>2021</b> , 800, 149340		1
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