AdriÃ¡n M T Silva

List of Publications by Year
in descending order

61 papers	4,461 citations	147801 31 h-index	128289 60 g-index
61 all docs	61 docs citations	61 times ranked	5763 citing authors

#	Article	IF	Citations
1	Occurrence and removal of organic micropollutants: An overview of the watch list of EU Decision 2015/495. Water Research, 2016, 94, 257-279.	11.3	698
2	A review on environmental monitoring of water organic pollutants identified by EU guidelines. Journal of Hazardous Materials, 2018, 344, 146-162.	12.4	589
3	Consolidated vs new advanced treatment methods for the removal of contaminants of emerging concern from urban wastewater. Science of the Total Environment, 2019, 655, 986-1008.	8.0	515
4	Solar treatment (H2O2, TiO2-P25 and GO-TiO2 photocatalysis, photo-Fenton) of organic micropollutants, human pathogen indicators, antibiotic resistant bacteria and related genes in urban wastewater. Water Research, 2018, 135, 195-206.	11.3	197
5	Photocatalytic ozonation of urban wastewater and surface water using immobilized TiO2 with LEDs: Micropollutants, antibiotic resistance genes and estrogenic activity. Water Research, 2016, 94, 10-22.	11.3	185
6	A review on the application of constructed wetlands for the removal of priority substances and contaminants of emerging concern listed in recently launched EU legislation. Environmental Pollution, 2017, 227, 428-443.	7.5	184
7	Ozonation and UV254nm radiation for the removal of microorganisms and antibiotic resistance genes from urban wastewater. Journal of Hazardous Materials, 2017, 323, 434-441.	12.4	179
8	Laccase immobilization over multi-walled carbon nanotubes: Kinetic, thermodynamic and stability studies. Journal of Colloid and Interface Science, 2015, 454, 52-60.	9.4	174
9	Monitoring of the 17 EU Watch List contaminants of emerging concern in the Ave and the Sousa Rivers. Science of the Total Environment, 2019, 649, 1083-1095.	8.0	120
10	Activation of sodium persulfate by magnetic carbon xerogels (CX/CoFe) for the oxidation of bisphenol A: Process variables effects, matrix effects and reaction pathways. Water Research, 2017, 124, 97-107.	11.3	102
11	Aging assessment of microplastics (LDPE, PET and uPVC) under urban environment stressors. Science of the Total Environment, 2021, 796, 148914.	8.0	93
12	Proteobacteria become predominant during regrowth after water disinfection. Science of the Total Environment, 2016, 573, 313-323.	8.0	77
13	Tracking the occurrence of psychotropic pharmaceuticals in Brazilian wastewater treatment plants and surface water, with assessment of environmental risks. Science of the Total Environment, 2020, 727, 138661.	8.0	77
14	An overview on exploration and environmental impact of unconventional gas sources and treatment options for produced water. Journal of Environmental Management, 2017, 200, 511-529.	7.8	75
15	Constructed wetland microcosms for the removal of organic micropollutants from freshwater aquaculture effluents. Science of the Total Environment, 2018, 644, 1171-1180.	8.0	73
16	Microplastics in the environment: A DPSIR analysis with focus on the responses. Science of the Total Environment, 2020, 718, 134968.	8.0	70
17	On-line solid phase extraction-ultra high performance liquid chromatography-tandem mass spectrometry as a powerful technique for the determination of sulfonamide residues in soils. Journal of Chromatography A, 2016, 1452, 89-97.	3.7	58
18	Multifunctional graphene-based magnetic nanocarriers for combined hyperthermia and dual stimuli-responsive drug delivery. Materials Science and Engineering C, 2018, 93, 206-217.	7.3	56

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19	Spatial and seasonal occurrence of micropollutants in four Portuguese rivers and a case study for fluorescence excitation-emission matrices. Science of the Total Environment, 2018, 644, 1128-1140.	8.0	53
20	Gas phase oxidation of n-decane and PCE by photocatalysis using an annular photoreactor packed with a monolithic catalytic bed coated with P25 and PC500. Applied Catalysis B: Environmental, 2015, 165, 306-315.	20.2	50
21	Removal of microorganisms and antibiotic resistance genes from treated urban wastewater: A comparison between aluminium sulphate and tannin coagulants. Water Research, 2019, 166, 115056.	11.3	50
22	Hummersâ€™ and Brodieâ€™s graphene oxides as photocatalysts for phenol degradation. Journal of Colloid and Interface Science, 2020, 567, 243-255.	9.4	49
23	Degradation of flumequine by the Fenton and photo-Fenton processes: Evaluation of residual antimicrobial activity. Science of the Total Environment, 2013, 445-446, 337-346.	8.0	43
24	Bacteria and fungi inactivation by photocatalysis under UVA irradiation: liquid and gas phase. Environmental Science and Pollution Research, 2017, 24, 6372-6381.	5.3	40
25	UV-A activation of peroxymonosulfate for the removal of micropollutants from secondary treated wastewater. Science of the Total Environment, 2021, 770, 145299.	8.0	40
26	A life cycle assessment of solar-based treatments (H2O2, TiO2 photocatalysis, circumneutral) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 467 761, 143258.	8.0	38
27	Degradation of flumequine by photocatalysis and evaluation of antimicrobial activity. Chemical Engineering Journal, 2013, 224, 46-52.	12.7	37
28	Dual enantioselective LCâ€“MS/MS method to analyse chiral drugs in surface water: Monitoring in Douro River estuary. Journal of Pharmaceutical and Biomedical Analysis, 2019, 170, 89-101.	2.8	37
29	Liquid-liquid extraction as a simple tool to quickly quantify fourteen cytostatics in urban wastewaters and access their impact in aquatic biota. Science of the Total Environment, 2020, 740, 139995.	8.0	36
30	Antimicrobial activity against Gram-positive and Gram-negative bacteria during gatifloxacin degradation by hydroxyl radicals. Environmental Science and Pollution Research, 2017, 24, 6288-6298.	5.3	33
31	Distribution of micropollutants in estuarine and sea water along the Portuguese coast. Marine Pollution Bulletin, 2020, 154, 111120.	5.0	33
32	Degradation of propyl paraben by activated persulfate using iron-containing magnetic carbon xerogels: investigation of water matrix and process synergy effects. Environmental Science and Pollution Research, 2018, 25, 34801-34810.	5.3	31
33	Evaluation of a solar/UV annular pilot scale reactor for 24h continuous photocatalytic oxidation of n-decane. Chemical Engineering Journal, 2015, 280, 409-416.	12.7	30
34	Degradation of methylparaben by sonocatalysis using a Coâ€“Fe magnetic carbon xerogel. Ultrasonics Sonochemistry, 2020, 64, 105045.	8.2	29
35	Benzimidazoles in wastewater: Analytical method development, monitoring and degradation by photolysis and ozonation. Journal of Environmental Management, 2019, 232, 729-737.	7.8	26
36	Advanced oxidation technologies and constructed wetlands in aquaculture farms: What do we know so far about micropollutant removal?. Environmental Research, 2022, 204, 111955.	7.5	24

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37	Antibiotics removal from aquaculture effluents by ozonation: chemical and toxicity descriptors. Water Research, 2022, 218, 118497.	11.3	22
38	On-line solid-phase extraction-ultra high performance liquid chromatography-tandem mass spectrometry for the determination of avermectins and milbemycin in soils. Journal of Chromatography A, 2016, 1471, 118-125.	3.7	19
39	Long-term ecotoxicological effects of ciprofloxacin in combination with caffeine on the microalga Raphidocelis subcapitata. Toxicology Reports, 2021, 8, 429-435.	3.3	19
40	Synthesis of low-density polyethylene derived carbon nanotubes for activation of persulfate and degradation of water organic micropollutants in continuous mode. Journal of Environmental Management, 2022, 308, 114622.	7.8	18
41	Rethinking water treatment targets: Bacteria regrowth under unprovable conditions. Water Research, 2021, 201, 117374.	11.3	17
42	Overgrowth control of potentially hazardous bacteria during storage of ozone treated wastewater through natural competition. Water Research, 2022, 209, 117932.	11.3	17
43	Removal of low-calorie sweeteners at five Brazilian wastewater treatment plants and their occurrence in surface water. Journal of Environmental Management, 2021, 289, 112561.	7.8	15
44	Photocatalytic removal of fluoroquinolones and their antimicrobial activity from water matrices at trace levels: a comparison of commercial TiO2 catalysts. Water Science and Technology, 2018, 78, 1668-1678.	2.5	12
45	Degradation of benzimidazoles by photoperoxidation: metabolites detection and ecotoxicity assessment using Raphidocelis subcapitata microalgae and Vibrio fischeri. Environmental Science and Pollution Research, 2021, 28, 23742-23752.	5.3	12
46	Solar photocatalytic gas-phase degradation of n-decaneâ€"a comparative study using cellulose acetate monoliths coated with P25 or sol-gel TiO2 films. Environmental Science and Pollution Research, 2015, 22, 820-832.	5.3	11
47	Ozonation of cytostatic drugs in aqueous phase. Science of the Total Environment, 2021, 795, 148855.	8.0	11
48	Selecting the most environmentally friendly oxidant for UVC degradation of micropollutants in urban wastewater by assessing life cycle impacts: Hydrogen peroxide, peroxymonosulfate or persulfate?. Science of the Total Environment, 2022, 808, 152050.	8.0	10
49	Antimicrobial activity and acute toxicity of ozonated lomefloxacin solution. Environmental Science and Pollution Research, 2017, 24, 6252-6260.	5.3	9
50	Trace organic contaminants removal from municipal wastewater using the FluHelik reactor: From laboratory-scale to pre-pilot scale. Journal of Environmental Chemical Engineering, 2021, 9, 105060.	6.7	9
51	On-line solid phase extraction-ultra-high performance liquid chromatography coupled to tandem mass spectrometry for the determination of N-nitrosodiethanolamine in baby shampoo. Journal of Pharmaceutical and Biomedical Analysis, 2021, 202, 114132.	2.8	9
52	Degradation of antidepressant pharmaceuticals by photoperoxidation in diverse water matrices: a highlight in the evaluation of acute and chronic toxicity. Environmental Science and Pollution Research, 2021, 28, 24034-24045.	5.3	8
53	OCCURRENCE AND DEGRADATION OF QUINOLONES BY ADVANCED OXIDATION PROCESSES. Quimica Nova, 2014, , .	0.3	8
54	On-Flow LC-MS/MS method for screening of xanthine oxidase inhibitors. Journal of Pharmaceutical and Biomedical Analysis, 2020, 181, 113097.	2.8	7

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55	Fluoroquinolones in Hospital Wastewater: Analytical Method, Occurrence, Treatment with Ozone and Residual Antimicrobial Activity Evaluation. Journal of the Brazilian Chemical Society, 0, , .	0.6	6
56	Evaluation of residual antimicrobial activity and acute toxicity during the degradation of gatifloxacin by ozonation. Water Science and Technology, 2021, 84, 225-236.	2.5	6
57	A facile method to prepare translucent anatase thin films in monolithic structures for gas stream purification. Environmental Science and Pollution Research, 2018, 25, 27796-27807.	5.3	5
58	Quenchers in advanced oxidation technologies for analysis of micropollutants by liquid chromatography coupled to mass spectrometry: Sodium sulphite or catalase?. Science of the Total Environment, 2019, 692, 995-1004.	8.0	3
59	Removal of the antimicrobial activity from fortified effluents with fluoroquinolones by photocatalytic processes: a comparative study of differently synthesized TiO2-N. Water Science and Technology, 2020, 82, 603-614.	2.5	3
60	Gatifloxacin photocatalytic degradation in different water matrices: Antimicrobial activity and acute toxicity reduction. Journal of Photochemistry and Photobiology A: Chemistry, 2022, 430, 113973.	3.9	3
61	EVALUATION OF RESIDUAL ANTIMICROBIAL ACTIVITY OF FLUMEQUINE SOLUTIONS SUBJECTED TO ELECTROCHEMICAL AND PHOTO-ELECTROCHEMICAL PROCESSES. Quimica Nova, 2014, , .	0.3	1