

# Adrião M T Silva

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Advanced oxidation technologies and constructed wetlands in aquaculture farms: What do we know so far about micropollutant removal?. <i>Environmental Research</i> , 2022, 204, 111955.	7.5	24
2	Selecting the most environmentally friendly oxidant for UVC degradation of micropollutants in urban wastewater by assessing life cycle impacts: Hydrogen peroxide, peroxymonosulfate or persulfate?. <i>Science of the Total Environment</i> , 2022, 808, 152050.	8.0	10
3	Overgrowth control of potentially hazardous bacteria during storage of ozone treated wastewater through natural competition. <i>Water Research</i> , 2022, 209, 117932.	11.3	17
4	Synthesis of low-density polyethylene derived carbon nanotubes for activation of persulfate and degradation of water organic micropollutants in continuous mode. <i>Journal of Environmental Management</i> , 2022, 308, 114622.	7.8	18
5	Antibiotics removal from aquaculture effluents by ozonation: chemical and toxicity descriptors. <i>Water Research</i> , 2022, 218, 118497.	11.3	22
6	Garifloxacin photocatalytic degradation in different water matrices: Antimicrobial activity and acute toxicity reduction. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022, 430, 113973.	3.9	3
7	A life cycle assessment of solar-based treatments (H <sub>2</sub> O <sub>2</sub> , TiO <sub>2</sub> photocatalysis, circumneutral) <i>TJ ETQq1 1 0.784314 rgBT /Overlock 10 T</i> 761, 143258.	8.0	38
8	Degradation of benzimidazoles by photoperoxidation: metabolites detection and ecotoxicity assessment using <i>Raphidocelis subcapitata</i> microalgae and <i>Vibrio fischeri</i> . <i>Environmental Science and Pollution Research</i> , 2021, 28, 23742-23752.	5.3	12
9	Long-term ecotoxicological effects of ciprofloxacin in combination with caffeine on the microalga <i>Raphidocelis subcapitata</i> . <i>Toxicology Reports</i> , 2021, 8, 429-435.	3.3	19
10	Degradation of antidepressant pharmaceuticals by photoperoxidation in diverse water matrices: a highlight in the evaluation of acute and chronic toxicity. <i>Environmental Science and Pollution Research</i> , 2021, 28, 24034-24045.	5.3	8
11	Trace organic contaminants removal from municipal wastewater using the FluHelik reactor: From laboratory-scale to pre-pilot scale. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105060.	6.7	9
12	Evaluation of residual antimicrobial activity and acute toxicity during the degradation of garifloxacin by ozonation. <i>Water Science and Technology</i> , 2021, 84, 225-236.	2.5	6
13	UV-A activation of peroxymonosulfate for the removal of micropollutants from secondary treated wastewater. <i>Science of the Total Environment</i> , 2021, 770, 145299.	8.0	40
14	Removal of low-calorie sweeteners at five Brazilian wastewater treatment plants and their occurrence in surface water. <i>Journal of Environmental Management</i> , 2021, 289, 112561.	7.8	15
15	On-line solid phase extraction-ultra-high performance liquid chromatography coupled to tandem mass spectrometry for the determination of N-nitrosodiethanolamine in baby shampoo. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 202, 114132.	2.8	9
16	Rethinking water treatment targets: Bacteria regrowth under unprovable conditions. <i>Water Research</i> , 2021, 201, 117374.	11.3	17
17	Ozonation of cytostatic drugs in aqueous phase. <i>Science of the Total Environment</i> , 2021, 795, 148855.	8.0	11
18	Aging assessment of microplastics (LDPE, PET and uPVC) under urban environment stressors. <i>Science of the Total Environment</i> , 2021, 796, 148914.	8.0	93

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19	Microplastics in the environment: A DPSIR analysis with focus on the responses. <i>Science of the Total Environment</i> , 2020, 718, 134968.	8.0	70
20	Removal of the antimicrobial activity from fortified effluents with fluoroquinolones by photocatalytic processes: a comparative study of differently synthesized TiO <sub>2</sub> -N. <i>Water Science and Technology</i> , 2020, 82, 603-614.	2.5	3
21	Liquid-liquid extraction as a simple tool to quickly quantify fourteen cytostatics in urban wastewaters and assess their impact in aquatic biota. <i>Science of the Total Environment</i> , 2020, 740, 139995.	8.0	36
22	Degradation of methylparaben by sonocatalysis using a Co-Fe magnetic carbon xerogel. <i>Ultrasonics Sonochemistry</i> , 2020, 64, 105045.	8.2	29
23	On-Flow LC-MS/MS method for screening of xanthine oxidase inhibitors. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 181, 113097.	2.8	7
24	Hummers™ and Brodie™s graphene oxides as photocatalysts for phenol degradation. <i>Journal of Colloid and Interface Science</i> , 2020, 567, 243-255.	9.4	49
25	Tracking the occurrence of psychotropic pharmaceuticals in Brazilian wastewater treatment plants and surface water, with assessment of environmental risks. <i>Science of the Total Environment</i> , 2020, 727, 138661.	8.0	77
26	Distribution of micropollutants in estuarine and sea water along the Portuguese coast. <i>Marine Pollution Bulletin</i> , 2020, 154, 111120.	5.0	33
27	Removal of microorganisms and antibiotic resistance genes from treated urban wastewater: A comparison between aluminium sulphate and tannin coagulants. <i>Water Research</i> , 2019, 166, 115056.	11.3	50
28	Quenchers in advanced oxidation technologies for analysis of micropollutants by liquid chromatography coupled to mass spectrometry: Sodium sulphite or catalase?. <i>Science of the Total Environment</i> , 2019, 692, 995-1004.	8.0	3
29	Dual enantioselective LC-MS/MS method to analyse chiral drugs in surface water: Monitoring in Douro River estuary. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 170, 89-101.	2.8	37
30	Monitoring of the 17 EU Watch List contaminants of emerging concern in the Ave and the Sousa Rivers. <i>Science of the Total Environment</i> , 2019, 649, 1083-1095.	8.0	120
31	Consolidated vs new advanced treatment methods for the removal of contaminants of emerging concern from urban wastewater. <i>Science of the Total Environment</i> , 2019, 655, 986-1008.	8.0	515
32	Benzimidazoles in wastewater: Analytical method development, monitoring and degradation by photolysis and ozonation. <i>Journal of Environmental Management</i> , 2019, 232, 729-737.	7.8	26
33	Solar treatment (H <sub>2</sub> O <sub>2</sub> , TiO <sub>2</sub> -P25 and GO-TiO <sub>2</sub> photocatalysis, photo-Fenton) of organic micropollutants, human pathogen indicators, antibiotic resistant bacteria and related genes in urban wastewater. <i>Water Research</i> , 2018, 135, 195-206.	11.3	197
34	A facile method to prepare translucent anatase thin films in monolithic structures for gas stream purification. <i>Environmental Science and Pollution Research</i> , 2018, 25, 27796-27807.	5.3	5
35	A review on environmental monitoring of water organic pollutants identified by EU guidelines. <i>Journal of Hazardous Materials</i> , 2018, 344, 146-162.	12.4	589
36	Degradation of propyl paraben by activated persulfate using iron-containing magnetic carbon xerogels: investigation of water matrix and process synergy effects. <i>Environmental Science and Pollution Research</i> , 2018, 25, 34801-34810.	5.3	31

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37	Photocatalytic removal of fluoroquinolones and their antimicrobial activity from water matrices at trace levels: a comparison of commercial TiO <sub>2</sub> catalysts. <i>Water Science and Technology</i> , 2018, 78, 1668-1678.	2.5	12
38	Multifunctional graphene-based magnetic nanocarriers for combined hyperthermia and dual stimuli-responsive drug delivery. <i>Materials Science and Engineering C</i> , 2018, 93, 206-217.	7.3	56
39	Constructed wetland microcosms for the removal of organic micropollutants from freshwater aquaculture effluents. <i>Science of the Total Environment</i> , 2018, 644, 1171-1180.	8.0	73
40	Spatial and seasonal occurrence of micropollutants in four Portuguese rivers and a case study for fluorescence excitation-emission matrices. <i>Science of the Total Environment</i> , 2018, 644, 1128-1140.	8.0	53
41	Ozonation and UV254nm radiation for the removal of microorganisms and antibiotic resistance genes from urban wastewater. <i>Journal of Hazardous Materials</i> , 2017, 323, 434-441.	12.4	179
42	Antimicrobial activity and acute toxicity of ozonated lomefloxacin solution. <i>Environmental Science and Pollution Research</i> , 2017, 24, 6252-6260.	5.3	9
43	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. <i>Environmental Pollution</i> , 2017, 227, 428-443.	7.5	184
44	An overview on exploration and environmental impact of unconventional gas sources and treatment options for produced water. <i>Journal of Environmental Management</i> , 2017, 200, 511-529.	7.8	75
45	Activation of sodium persulfate by magnetic carbon xerogels (CX/CoFe) for the oxidation of bisphenol A: Process variables effects, matrix effects and reaction pathways. <i>Water Research</i> , 2017, 124, 97-107.	11.3	102
46	Antimicrobial activity against Gram-positive and Gram-negative bacteria during gatifloxacin degradation by hydroxyl radicals. <i>Environmental Science and Pollution Research</i> , 2017, 24, 6288-6298.	5.3	33
47	Bacteria and fungi inactivation by photocatalysis under UVA irradiation: liquid and gas phase. <i>Environmental Science and Pollution Research</i> , 2017, 24, 6372-6381.	5.3	40
48	On-line solid-phase extraction-ultra high performance liquid chromatography-tandem mass spectrometry for the determination of avermectins and milbemycin in soils. <i>Journal of Chromatography A</i> , 2016, 1471, 118-125.	3.7	19
49	Proteobacteria become predominant during regrowth after water disinfection. <i>Science of the Total Environment</i> , 2016, 573, 313-323.	8.0	77
50	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. <i>Journal of Chromatography A</i> , 2016, 1452, 89-97.	3.7	58
51	Photocatalytic ozonation of urban wastewater and surface water using immobilized TiO <sub>2</sub> with LEDs: Micropollutants, antibiotic resistance genes and estrogenic activity. <i>Water Research</i> , 2016, 94, 10-22.	11.3	185
52	Occurrence and removal of organic micropollutants: An overview of the watch list of EU Decision 2015/495. <i>Water Research</i> , 2016, 94, 257-279.	11.3	698
53	Laccase immobilization over multi-walled carbon nanotubes: Kinetic, thermodynamic and stability studies. <i>Journal of Colloid and Interface Science</i> , 2015, 454, 52-60.	9.4	174
54	Evaluation of a solar/UV annular pilot scale reactor for 24h continuous photocatalytic oxidation of n-decane. <i>Chemical Engineering Journal</i> , 2015, 280, 409-416.	12.7	30

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55	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. <i>Applied Catalysis B: Environmental</i> , 2015, 165, 306-315.	20.2	50
56	Solar photocatalytic gas-phase degradation of n-decane—a comparative study using cellulose acetate monoliths coated with P25 or sol-gel TiO <sub>2</sub> films. <i>Environmental Science and Pollution Research</i> , 2015, 22, 820-832.	5.3	11
57	OCCURRENCE AND DEGRADATION OF QUINOLONES BY ADVANCED OXIDATION PROCESSES. <i>Química Nova</i> , 2014, , .	0.3	8
58	EVALUATION OF RESIDUAL ANTIMICROBIAL ACTIVITY OF FLUMEQUINE SOLUTIONS SUBJECTED TO ELECTROCHEMICAL AND PHOTO-ELECTROCHEMICAL PROCESSES. <i>Química Nova</i> , 2014, , .	0.3	1
59	Degradation of flumequine by photocatalysis and evaluation of antimicrobial activity. <i>Chemical Engineering Journal</i> , 2013, 224, 46-52.	12.7	37
60	Degradation of flumequine by the Fenton and photo-Fenton processes: Evaluation of residual antimicrobial activity. <i>Science of the Total Environment</i> , 2013, 445-446, 337-346.	8.0	43
61	Fluoroquinolones in Hospital Wastewater: Analytical Method, Occurrence, Treatment with Ozone and Residual Antimicrobial Activity Evaluation. <i>Journal of the Brazilian Chemical Society</i> , 0, , .	0.6	6