Camila C Amorim

List of Publications by Year
in descending order

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49 papers	1,228 citations	361296 20 h-index	395590 33 g-index
50 all docs	50 docs citations	50 times ranked	1676 citing authors

#	Article	IF	Citations
1	Occurrence, control and fate of contaminants of emerging concern in environmental compartments in Brazil. Journal of Hazardous Materials, 2019, 372, 17-36.	6.5	157
2	Performance of blast furnace waste for azo dye degradation through photo-Fenton-like processes. Chemical Engineering Journal, 2013, 224, 59-66.	6.6	81
3	Towards visible-light photocatalysis for environmental applications: band-gap engineering versus photons absorptionâ€"a review. Environmental Science and Pollution Research, 2019, 26, 4155-4170.	2.7	70
4	Multistage ozone and biological treatment system for real wastewater containing antibiotics. Journal of Environmental Management, 2017, 195, 110-116.	3.8	67
5	New trend on open solar photoreactors to treat micropollutants by photo-Fenton at circumneutral pH: Increasing optical pathway. Chemical Engineering Journal, 2020, 385, 123982.	6.6	49
6	Solar energy for wastewater treatment: review of international technologies and their applicability in Brazil. Environmental Science and Pollution Research, 2015, 22, 762-773.	2.7	48
7	Iron: a versatile element to produce materials for environmental applications. Journal of the Brazilian Chemical Society, 2012, 23, 1579-1593.	0.6	43
8	Textile wastewater reuse after additional treatment by Fentonâ€™s reagent. Environmental Science and Pollution Research, 2017, 24, 6165-6175.	2.7	43
9	Degradation of carbendazim in water via photo-Fenton in Raceway Pond Reactor: assessment of acute toxicity and transformation products. Environmental Science and Pollution Research, 2019, 26, 4324-4336.	2.7	40
10	Intensification of UV-C treatment to remove emerging contaminants by UV-C/H2O2 and UV-C/S2O82â˜': Susceptibility to photolysis and investigation of acute toxicity. Chemical Engineering Journal, 2019, 376, 120856.	6.6	37
11	A review toward contaminants of emerging concern in Brazil: Occurrence, impact and their degradation by advanced oxidation process in aquatic matrices. Science of the Total Environment, 2022, 836, 155605.	3.9	35
12	Novel and versatile TiO2 thin films on PET for photocatalytic removal of contaminants of emerging concern from water. Chemical Engineering Journal, 2019, 370, 1251-1261.	6.6	32
13	Amphiphilic magnetic composites based on layered vermiculite and fibrous chrysotile with carbon nanostructures: Application in catalysis. Catalysis Today, 2012, 190, 133-143.	2.2	30
14	Optimized treatment conditions for textile wastewater reuse using photocatalytic processes under UV and visible light sources. Environmental Science and Pollution Research, 2017, 24, 6222-6232.	2.7	28
15	Ozone oxidation of Î²-lactam antibiotic molecules and toxicity decrease in aqueous solution and industrial wastewaters heavily contaminated. Ozone: Science and Engineering, 2018, 40, 385-391.	1.4	25
16	Application of solar photo-Fenton toward toxicity removal and textile wastewater reuse. Environmental Science and Pollution Research, 2017, 24, 12515-12528.	2.7	23
17	Persulfate mediated solar photo-Fenton aiming at wastewater treatment plant effluent improvement at neutral PH: emerging contaminant removal, disinfection, and elimination of antibiotic-resistant bacteria. Environmental Science and Pollution Research, 2021, 28, 17355-17368.	2.7	23
18	Magnetic Amphiphilic Composites Applied for the Treatment of Biodiesel Wastewaters. Applied Sciences (Switzerland), 2012, 2, 513-524.	1.3	22

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19	Efficient demulsification of wastewater by steel furnace dust with amphiphilic and surface charge properties. Chemical Engineering Journal, 2015, 271, 281-286.	6.6	22
20	Reactive Magnetron Sputter Deposition of Bismuth Tungstate Coatings for Water Treatment Applications under Natural Sunlight. Catalysts, 2017, 7, 283.	1.6	20
21	Performance of different oxidants in the presence of oxisol: Remediation of groundwater contaminated by gasoline/ethanol blend. Chemical Engineering Journal, 2017, 308, 428-437.	6.6	19
22	Combat of antimicrobial resistance in municipal wastewater treatment plant effluent via solar advanced oxidation processes: Achievements and perspectives. Science of the Total Environment, 2021, 786, 147448.	3.9	19
23	Aluminized surface to improve solar light absorption in open reactors: Application for micropollutants removal in effluents from municipal wastewater treatment plants. Science of the Total Environment, 2021, 755, 142624.	3.9	18
24	LED irradiated photo-Fenton for the removal of estrogenic activity and endocrine disruptors from wastewater treatment plant effluent. Environmental Science and Pollution Research, 2021, 28, 24067-24078.	2.7	18
25	ESTIMATION OF WATER QUALITY IN A RESERVOIR FROM SENTINEL-2 MSI AND LANDSAT-8 OLI SENSORS. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, V-3-2020, 401-408.	0.0	18
26	Controlled reduction of steel waste to produce active iron phases for environmental applications. Chemical Engineering Journal, 2012, 209, 645-651.	6.6	16
27	Crystalline TiO2 supported on stainless steel mesh deposited in a one step process via pulsed DC magnetron sputtering for wastewater treatment applications. Journal of Materials Research and Technology, 2020, 9, 5761-5773.	2.6	16
28	EVALUATION OF AEROBIC AND ANAEROBIC BIODEGRADABILITY AND TOXICITY ASSESSMENT OF REAL PHARMACEUTICAL WASTEWATER FROM INDUSTRIAL PRODUCTION OF ANTIBIOTICS. Brazilian Journal of Chemical Engineering, 2016, 33, 445-452.	0.7	15
29	AOPs: recent advances to overcome barriers in the treatment of water, wastewater and air. Environmental Science and Pollution Research, 2017, 24, 5987-5990.	2.7	15
30	Solar photon-Fenton process eliminates free plasmid DNA harboring antimicrobial resistance genes from wastewater. Journal of Environmental Management, 2021, 285, 112204.	3.8	15
31	ComparaÃ§Ã£o entre diferentes processos oxidativos avanÃ§ados para degradaÃ§Ã£o de corante azo. Engenharia Sanitaria E Ambiental, 2009, 14, 543-550.	0.1	14
32	Removal of ethylenthiourea and 1,2,4-triazole pesticide metabolites from water by adsorption in commercial activated carbons. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2013, 48, 183-190.	0.7	13
33	Metagenomic analysis of MWWTP effluent treated via solar photo-Fenton at neutral pH: Effects upon microbial community, priority pathogens, and antibiotic resistance genes. Science of the Total Environment, 2021, 801, 149599.	3.9	13
34	Steel wastes as versatile materials for treatment of biorefractory wastewaters. Environmental Science and Pollution Research, 2015, 22, 882-893.	2.7	12
35	Synthesis and characterization of new NaX zeolite-supported Nb, Zn, and Fe photocatalysts activated by visible radiation for application in wastewater treatment. Catalysis Today, 2015, 240, 168-175.	2.2	11
36	Simultaneous removal of emerging contaminants and disinfection for municipal wastewater treatment plant effluent quality improvement: a systemic analysis of the literature. Environmental Science and Pollution Research, 2021, 28, 24092-24111.	2.7	11

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37	Ozonation and peroxone oxidation of ethylenethiourea in water: operational parameter optimization and by-product identification. Environmental Science and Pollution Research, 2015, 22, 903-908.	2.7	10
38	Solar photo-Fenton mediated by alternative oxidants for MWWTP effluent quality improvement: Impact on microbial community, priority pathogens and removal of antibiotic-resistant genes. Chemical Engineering Journal, 2022, 441, 136060.	6.6	10
39	Degradation of ethylenethiourea pesticide metabolite from water by photocatalytic processes. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2014, 49, 263-270.	0.7	8
40	Growth of carbon structures on chrysotile surface for organic contaminants removal from wastewater. Chemosphere, 2016, 159, 602-609.	4.2	8
41	Feasibility study of the use of basic oxygen furnace sludge in a permeable reactive barrier. Journal of Hazardous Materials, 2018, 351, 188-195.	6.5	8
42	Use of tar pitch as a binding and reductant of BFD waste to produce reactive materials for environmental applications. Chemosphere, 2014, 109, 143-149.	4.2	7
43	Versatility of iron-rich steel waste for the removal of high arsenic and sulfate concentrations in water. Environmental Science and Pollution Research, 2019, 26, 4266-4276.	2.7	7
44	Enhanced biodiesel industry wastewater treatment via a hybrid MBBR combined with advanced oxidation processes: analysis of active microbiota and toxicity removal. Environmental Science and Pollution Research, 2019, 26, 4521-4536.	2.7	6
45	Spatio-temporal variations of water quality in Nova Ponte Reservoir, Araguari River Basin, Brazil. Water Science and Technology: Water Supply, 2017, 17, 1507-1514.	1.0	5
46	ESI-MS, UV-Vis, and Theoretical Investigation of Fe3+-Amoxicillin Complexation during Coagulation. Journal of Environmental Engineering, ASCE, 2018, 144, .	0.7	5
47	Development of Fe/Nb-based solar photocatalysts for water treatment: impact of different synthesis routes on materials properties. Environmental Science and Pollution Research, 2018, 25, 27737-27747.	2.7	3
48	Oxidation of ethylenethiourea in water via ozone enhanced by UV-C: identification of transformation products. Environmental Science and Pollution Research, 2019, 26, 4498-4509.	2.7	3
49	Estudo sobre os teores de TÃ³rio, UrÃ¢nio e PotÃ¡ssio nas Ã¡guas superficiais e sedimento marginal do Rio Piracicaba, Minas Gerais, Brasil. Engenharia Sanitaria E Ambiental, 2017, 22, 371-380.	0.1	2