Jos A Peres

List of Publications by Citations

66 papers	3,093 citations	27 h-index	55 g-index
78 ext. papers	3,483 ext. citations	6.5 avg, IF	5.48 L-index

#	Paper	IF	Citations
66	Decolorization of the azo dye Reactive Black 5 by Fenton and photo-Fenton oxidation. *Dyes and Pigments*, **2006**, 71, 236-244	4.6	548
65	Treatment of winery wastewater by ozone-based advanced oxidation processes (O3, O3/UV and O3/UV/H2O2) in a pilot-scale bubble column reactor and process economics. *Separation and Purification Technology*, **2010**, 72, 235-241	8.3	227
64	Mature landfill leachate treatment by coagulation/flocculation combined with Fenton and solar photo-Fenton processes. *Journal of Hazardous Materials*, **2015**, 286, 261-8	12.8	181
63	Removal of COD from olive mill wastewater by Fentonís reagent: kinetic study. *Journal of Hazardous Materials*, **2009**, 168, 1253-9	12.8	169
62	Degradation of a textile reactive Azo dye by a combined chemical-biological process: Fentonís reagent-yeast. *Water Research*, **2007**, 41, 1103-9	12.5	143
61	Degradation of Reactive Black 5 by Fenton/UV-C and ferrioxalate/H2O2/solar light processes. *Dyes and Pigments*, **2007**, 74, 622-629	4.6	117
60	Kinetic model for phenolic compound oxidation by Fentonís reagent. *Chemosphere*, **2001**, 45, 85-90	8.4	115
59	Effective adsorption of non-biodegradable pharmaceuticals from hospital wastewater with different carbon materials. *Chemical Engineering Journal*, **2017**, 320, 319-329	14.7	112
58	Oxidation of p-hydroxybenzoic acid by UV radiation and by TiO2/UV radiation: comparison and modelling of reaction kinetic. *Journal of Hazardous Materials*, **2001**, 83, 255-64	12.8	100
57	Application of Advanced Oxidation Processes for the Treatment of Recalcitrant Agro-Industrial Wastewater: A Review. *Water (Switzerland)*, **2019**, 11, 205	3	90
56	Biodegradation of the diazo dye Reactive Black 5 by a wild isolate of Candida oleophila. *Enzyme and Microbial Technology*, **2006**, 39, 51-55	3.8	84
55	Ozonation kinetics of winery wastewater in a pilot-scale bubble column reactor. *Water Research*, **2009**, 43, 1523-32	12.5	69
54	Comparison of the degradation of p-hydroxybenzoic acid in aqueous solution by several oxidation processes. *Chemosphere*, **2001**, 42, 351-9	8.4	67
53	Photocatalytic degradation of Reactive Black 5 with TiO2-coated magnetic nanoparticles. *Catalysis Today*, **2013**, 209, 116-121	5.3	60
52	Treatment of winery wastewater by sulphate radicals: HSO 5 −/transition metal/UV-A LEDs. *Chemical Engineering Journal*, **2017**, 310, 473-483	14.7	52
51	Tertiary treatment of pulp mill wastewater by solar photo-Fenton. *Journal of Hazardous Materials*, **2012**, 225-226, 173-81	12.8	52
50	Kinetics of the reaction between ozone and phenolic acids present in agro-industrial wastewaters. *Water Research*, **2001**, 35, 1077-85	12.5	52

49	Solar photochemical treatment of winery wastewater in a CPC reactor. *Journal of Agricultural and Food Chemistry*, **2009**, 57, 11242-8	5.7	49
48	Integrated Fentonև reagent-coagulation/flocculation process for the treatment of cork processing wastewaters. *Journal of Hazardous Materials*, **2004**, 107, 115-21	12.8	45
47	Improvement of the flocculation process in water treatment by using moringa oleifera seeds extract. *Brazilian Journal of Chemical Engineering*, **2012**, 29, 495-502	1.7	43
46	Combination of long term aerated storage and chemical coagulation/flocculation to winery wastewater treatment. *Desalination*, **2010**, 263, 226-232	10.3	42
45	Combined treatment of olive mill wastewater by Fentonև reagent and anaerobic biological process. *Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering*, **2015**, 50, 161-8	2.3	39
44	Winery wastewater treatment by sulphate radical based-advanced oxidation processes (SR-AOP): Thermally vs UV-assisted persulphate activation. *Chemical Engineering Research and Design*, **2019**, 122, 94-101	5.5	37
43	Disinfection of simulated and real winery wastewater using sulphate radicals: Peroxymonosulphate/transition metal/UV-A LED oxidation. *Journal of Cleaner Production*, **2017**, 149, 805-817	10.3	36
42	Treatment of crystallized-fruit wastewater by UV-A LED photo-Fenton and coagulation-flocculation. *Chemosphere*, **2016**, 145, 351-9	8.4	34
41	Kinetics of p-hydroxybenzoic acid photodecomposition and ozonation in a batch reactor. *Journal of Hazardous Materials*, **2000**, 73, 161-78	12.8	30
40	Winery wastewater treatment by combination of Cryptococcus laurentii and Fentonև reagent. *Chemosphere*, **2014**, 117, 53-8	8.4	29
39	Inactivation of pathogenic microorganisms in freshwater using HSO/UV-A LED and HSO/M/UV-A LED oxidation processes. *Water Research*, **2017**, 123, 113-123	12.5	27
38	Biodegradation of olive mill wastewaters by a wild isolate of Candida oleophila. *International Biodeterioration and Biodegradation*, **2012**, 68, 45-50	4.8	26
37	Ni/MgAlO regeneration for catalytic wet air oxidation of an azo-dye in trickle-bed reaction. *Journal of Hazardous Materials*, **2013**, 244-245, 46-53	12.8	25
36	Towards overcoming TOC increase in wastewater treated with Moringa oleifera seed extract. *Chemical Engineering Journal*, **2012**, 188, 40-46	14.7	25
35	Fenton advanced oxidation of emerging pollutants: parabens. *International Journal of Energy and Environmental Engineering*, **2014**, 5, 1	4	23
34	Pillared interlayered natural clays as heterogeneous photocatalysts for H2O2-assisted treatment of a winery wastewater. *Separation and Purification Technology*, **2019**, 228, 115768	8.3	22
33	Treatment of olive mill wastewater by a combined process: fentonև reagent and chemical coagulation. *Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering*, **2009**, 44, 198-205	2.3	22
32	Photocatalytic degradation of an agro-industrial wastewater model compound using a UV LEDs system: kinetic study. *Journal of Environmental Management*, **2020**, 269, 110740	7.9	22

31	Treatment of concentrated fruit juice wastewater by the combination of biological and chemical processes. *Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering*, **2012**, 47, 1809-17	2.3	21
30	Characteristics of p-Hydroxybenzoic Acid Oxidation using Fenton's Reagent. *Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering*, **2004**, 39, 2897-2913	2.3	20
29	Kinetics of the Oxidation of p-Hydroxybenzoic Acid by the H2O2/UV System. *Industrial & Engineering Chemistry Research*, **2001**, 40, 3104-3108	3.9	20
28	Winery wastewater treatment by a combined process: long term aerated storage and Fenton's reagent. *Water Science and Technology*, **2009**, 60, 1089-95	2.2	19
27	Removal of Emerging Contaminants by Fenton and UV-Driven Advanced Oxidation Processes. *Water, Air, and Soil Pollution*, **2015**, 226, 1	2.6	18
26	Gallic acid photochemical oxidation as a model compound of winery wastewaters. *Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering*, **2008**, 43, 1288-95	2.3	17
25	Oxidation of winery wastewater by sulphate radicals: catalytic and solar photocatalytic activations. *Environmental Science and Pollution Research*, **2017**, 24, 22414-22426	5.1	15
24	Treatment of high strength olive mill wastewater by Fenton's reagent and aerobic biological process. *Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering*, **2013**, 48, 954-62	2.3	15
23	Reaction of phenolic acids with Fenton-generated hydroxyl radicals: Hammett correlation. *Desalination*, **2010**, 252, 167-171	10.3	15
22	Combination of adsorption and heterogeneous photo-Fenton processes for the treatment of winery wastewater. *Environmental Science and Pollution Research*, **2019**, 26, 31000-31013	5.1	10
21	Integrated aerobic biological-chemical treatment of winery wastewater diluted with urban wastewater. LED-based photocatalysis in the presence of monoperoxysulfate. *Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering*, **2018**, 53, 124-131	2.3	10
20	Decolorization of Azo Dyes by Yeasts. *Handbook of Environmental Chemistry*, **2010**, 183-193	0.8	10
19	Hydroxyl and sulfate radical advanced oxidation processes: Application to an agro-industrial wastewater. *Environmental Technology and Innovation*, **2021**, 21, 101183	7	10
18	Impact of Acorn Flour on Gluten-Free Dough Rheology Properties. *Foods*, **2020**, 9,	4.9	9
17	Advanced Oxidation Processes as sustainable technologies for the reduction of elderberry agro-industrial water impact. *Water Resources and Industry*, **2020**, 24, 100137	4.5	9
16	Photocatalytic discolouration of Reactive Black 5 by UV-A LEDs and solar radiation. *Journal of Environmental Chemical Engineering*, **2015**, 3, 2948-2956	6.8	8
15	Acorn Flour as a Source of Bioactive Compounds in Gluten-Free Bread. *Molecules*, **2020**, 25,	4.8	8
14	Advanced oxidation processes for the degradation of p-hydroxybenzoic acid 2: Photo-assisted Fenton oxidation. *Journal of Chemical Technology and Biotechnology*, **2001**, 76, 1243-1248	3.5	7

13	OZONATION KINETICS OF PHENOLIC COMPOUNDS PRESENT IN TABLE OLIVE WASTEWATERS: p-HYDROXYBENZOIC ACID, TYROSOL AND p-COUMARIC ACID. *Chemical Engineering Communications*, **2001**, 184, 157-174	2.2	6
12	Catalytic Activity of Porous Phosphate Heterostructures-Fe towards Reactive Black 5 Degradation. *International Journal of Photoenergy*, **2013**, 2013, 1-6	2.1	5
11	Microalgae and immobilized TiO/UV-A LEDs as a sustainable alternative for winery wastewater treatment. *Water Research*, **2021**, 203, 117464	12.5	5
10	Effect of Zr Impregnation on Clay-Based Materials for H2O2-Assisted Photocatalytic Wet Oxidation of Winery Wastewater. *Water (Switzerland)*, **2020**, 12, 3387	3	3
9	Advanced oxidation processes for the degradation of p-hydroxybenzoic acid 1: Photo-assisted ozonation. *Journal of Chemical Technology and Biotechnology*, **2001**, 76, 1235-1242	3.5	3
8	Naproxen removal by CWPO with Fe3O4/multi-walled carbon nanotubes in a fixed-bed reactor. *Journal of Environmental Chemical Engineering*, **2021**, 9, 105110	6.8	3
7	Aerobic Biological Treatment of Chestnut Processing Wastewater. *Water, Air, and Soil Pollution*, **2012**, 223, 3721-3728	2.6	2
6	Combination of Coagulation-Flocculation-Decantation and Ozonation Processes for Winery Wastewater Treatment. *International Journal of Environmental Research and Public Health*, **2021**, 18,	4.6	2
5	Treatment of Winery Wastewater with a Combination of Adsorption and Thermocatalytic Processes. *Processes*, **2022**, 10, 75	2.9	2
4	Phenolic Acids Ozonation: QSAR Analysis and pH Influence on the Selectivity of Ozone. *Journal of Advanced Oxidation Technologies*, **2009**, 12,		1
3	Wireless UV-A LEDs-driven AOP in the treatment of agro-industrial wastewaters. *Environmental Research*, **2021**, 200, 111430	7.9	1
2	Acorn flour and sourdough: an innovative combination to improve gluten free bread characteristics. *European Food Research and Technology*,1	3.4	0
1	Combination of Adsorption in Natural Clays and Photo-Catalytic Processes for Winery Wastewater Treatment. *Advances in Science, Technology and Innovation*, **2021**, 291-294	0.3	