

# Marco S Lucas

## List of Publications by Citations

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48  
papers

2,520  
citations

24  
h-index

50  
g-index

60  
ext. papers

2,867  
ext. citations

6.7  
avg, IF

5.35  
L-index

#	Paper	IF	Citations
48	Decolorization of the azo dye Reactive Black 5 by Fenton and photo-Fenton oxidation. <i>Dyes and Pigments</i> , <b>2006</b> , 71, 236-244	4.6	548
47	Treatment of winery wastewater by ozone-based advanced oxidation processes (O <sub>3</sub> , O <sub>3</sub> /UV and O <sub>3</sub> /UV/H <sub>2</sub> O <sub>2</sub> ) in a pilot-scale bubble column reactor and process economics. <i>Separation and Purification Technology</i> , <b>2010</b> , 72, 235-241	8.3	227
46	Mature landfill leachate treatment by coagulation/flocculation combined with Fenton and solar photo-Fenton processes. <i>Journal of Hazardous Materials</i> , <b>2015</b> , 286, 261-8	12.8	181
45	Removal of COD from olive mill wastewater by Fenton <sup>W</sup> reagent: kinetic study. <i>Journal of Hazardous Materials</i> , <b>2009</b> , 168, 1253-9	12.8	169
44	Degradation of a textile reactive Azo dye by a combined chemical-biological process: Fenton <sup>W</sup> reagent-yeast. <i>Water Research</i> , <b>2007</b> , 41, 1103-9	12.5	143
43	Degradation of Reactive Black 5 by Fenton/UV-C and ferrioxalate/H <sub>2</sub> O <sub>2</sub> /solar light processes. <i>Dyes and Pigments</i> , <b>2007</b> , 74, 622-629	4.6	117
42	Application of Advanced Oxidation Processes for the Treatment of Recalcitrant Agro-Industrial Wastewater: A Review. <i>Water (Switzerland)</i> , <b>2019</b> , 11, 205	3	90
41	Biodegradation of the diazo dye Reactive Black 5 by a wild isolate of <i>Candida oleophila</i> . <i>Enzyme and Microbial Technology</i> , <b>2006</b> , 39, 51-55	3.8	84
40	Ozonation kinetics of winery wastewater in a pilot-scale bubble column reactor. <i>Water Research</i> , <b>2009</b> , 43, 1523-32	12.5	69
39	Photocatalytic degradation of Reactive Black 5 with TiO <sub>2</sub> -coated magnetic nanoparticles. <i>Catalysis Today</i> , <b>2013</b> , 209, 116-121	5.3	60
38	Microbiological and physicochemical characterization of olive mill wastewaters from a continuous olive mill in Northeastern Portugal. <i>Bioresource Technology</i> , <b>2008</b> , 99, 7215-23	11	57
37	Treatment of winery wastewater by sulphate radicals: HSO <sub>5</sub> <sup>-</sup> /transition metal/UV-A LEDs. <i>Chemical Engineering Journal</i> , <b>2017</b> , 310, 473-483	14.7	52
36	Tertiary treatment of pulp mill wastewater by solar photo-Fenton. <i>Journal of Hazardous Materials</i> , <b>2012</b> , 225-226, 173-81	12.8	52
35	Solar photochemical treatment of winery wastewater in a CPC reactor. <i>Journal of Agricultural and Food Chemistry</i> , <b>2009</b> , 57, 11242-8	5.7	49
34	Combination of long term aerated storage and chemical coagulation/flocculation to winery wastewater treatment. <i>Desalination</i> , <b>2010</b> , 263, 226-232	10.3	42
33	Treatment of pulp mill wastewater by <i>Cryptococcus podzolicus</i> and solar photo-Fenton: A case study. <i>Chemical Engineering Journal</i> , <b>2014</b> , 245, 158-165	14.7	40
32	Combined treatment of olive mill wastewater by Fenton <sup>W</sup> reagent and anaerobic biological process. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , <b>2015</b> , 50, 161-8	2.3	39

31	Winery wastewater treatment by sulphate radical based-advanced oxidation processes (SR-AOP): Thermally vs UV-assisted persulphate activation. <i>Chemical Engineering Research and Design</i> , <b>2019</b> , 122, 94-101	5.5	37
30	Disinfection of simulated and real winery wastewater using sulphate radicals: Peroxymonosulphate/transition metal/UV-A LED oxidation. <i>Journal of Cleaner Production</i> , <b>2017</b> , 149, 805-817	10.3	36
29	Treatment of crystallized-fruit wastewater by UV-A LED photo-Fenton and coagulation-flocculation. <i>Chemosphere</i> , <b>2016</b> , 145, 351-9	8.4	34
28	Photocatalytic oxidation of Reactive Black 5 with UV-A LEDs. <i>Journal of Environmental Chemical Engineering</i> , <b>2016</b> , 4, 109-114	6.8	29
27	Winery wastewater treatment by combination of <i>Cryptococcus laurentii</i> and Fenton <sup>W</sup> reagent. <i>Chemosphere</i> , <b>2014</b> , 117, 53-8	8.4	29
26	Inactivation of pathogenic microorganisms in freshwater using HSO <sup>-</sup> /UV-A LED and HSO <sup>-</sup> /M/UV-A LED oxidation processes. <i>Water Research</i> , <b>2017</b> , 123, 113-123	12.5	27
25	Biodegradation of olive mill wastewaters by a wild isolate of <i>Candida oleophila</i> . <i>International Biodeterioration and Biodegradation</i> , <b>2012</b> , 68, 45-50	4.8	26
24	Pillared interlayered natural clays as heterogeneous photocatalysts for H <sub>2</sub> O <sub>2</sub> -assisted treatment of a winery wastewater. <i>Separation and Purification Technology</i> , <b>2019</b> , 228, 115768	8.3	22
23	Treatment of olive mill wastewater by a combined process: fenton <sup>W</sup> reagent and chemical coagulation. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , <b>2009</b> , 44, 198-205	2.3	22
22	Photocatalytic degradation of an agro-industrial wastewater model compound using a UV LEDs system: kinetic study. <i>Journal of Environmental Management</i> , <b>2020</b> , 269, 110740	7.9	22
21	Treatment of concentrated fruit juice wastewater by the combination of biological and chemical processes. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , <b>2012</b> , 47, 1809-17	2.3	21
20	Intensification of ozonation processes in a novel, compact, multi-orifice oscillatory baffled column. <i>Chemical Engineering Journal</i> , <b>2016</b> , 296, 335-339	14.7	21
19	Winery wastewater treatment by a combined process: long term aerated storage and Fenton <sup>W</sup> reagent. <i>Water Science and Technology</i> , <b>2009</b> , 60, 1089-95	2.2	19
18	Inactivation of water pathogens with solar photo-activated persulfate oxidation. <i>Chemical Engineering Journal</i> , <b>2020</b> , 381, 122275	14.7	19
17	Removal of Emerging Contaminants by Fenton and UV-Driven Advanced Oxidation Processes. <i>Water, Air, and Soil Pollution</i> , <b>2015</b> , 226, 1	2.6	18
16	Gallic acid photochemical oxidation as a model compound of winery wastewaters. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , <b>2008</b> , 43, 1288-95	2.3	17
15	Oxidation of winery wastewater by sulphate radicals: catalytic and solar photocatalytic activations. <i>Environmental Science and Pollution Research</i> , <b>2017</b> , 24, 22414-22426	5.1	15
14	Treatment of high strength olive mill wastewater by Fenton <sup>W</sup> reagent and aerobic biological process. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , <b>2013</b> , 48, 954-62	2.3	15

13	Combination of adsorption and heterogeneous photo-Fenton processes for the treatment of winery wastewater. <i>Environmental Science and Pollution Research</i> , <b>2019</b> , 26, 31000-31013	5.1	10
12	Decolorization of Azo Dyes by Yeasts. <i>Handbook of Environmental Chemistry</i> , <b>2010</b> , 183-193	0.8	10
11	Hydroxyl and sulfate radical advanced oxidation processes: Application to an agro-industrial wastewater. <i>Environmental Technology and Innovation</i> , <b>2021</b> , 21, 101183	7	10
10	Advanced Oxidation Processes as sustainable technologies for the reduction of elderberry agro-industrial water impact. <i>Water Resources and Industry</i> , <b>2020</b> , 24, 100137	4.5	9
9	Photocatalytic discolouration of Reactive Black 5 by UV-A LEDs and solar radiation. <i>Journal of Environmental Chemical Engineering</i> , <b>2015</b> , 3, 2948-2956	6.8	8
8	Catalytic Activity of Porous Phosphate Heterostructures-Fe towards Reactive Black 5 Degradation. <i>International Journal of Photoenergy</i> , <b>2013</b> , 2013, 1-6	2.1	5
7	Microalgae and immobilized TiO <sub>2</sub> /UV-A LEDs as a sustainable alternative for winery wastewater treatment. <i>Water Research</i> , <b>2021</b> , 203, 117464	12.5	5
6	Effect of Zr Impregnation on Clay-Based Materials for H <sub>2</sub> O <sub>2</sub> -Assisted Photocatalytic Wet Oxidation of Winery Wastewater. <i>Water (Switzerland)</i> , <b>2020</b> , 12, 3387	3	3
5	Aerobic Biological Treatment of Chestnut Processing Wastewater. <i>Water, Air, and Soil Pollution</i> , <b>2012</b> , 223, 3721-3728	2.6	2
4	Combination of Coagulation-Flocculation-Decantation and Ozonation Processes for Winery Wastewater Treatment. <i>International Journal of Environmental Research and Public Health</i> , <b>2021</b> , 18,	4.6	2
3	Treatment of Winery Wastewater with a Combination of Adsorption and Thermocatalytic Processes. <i>Processes</i> , <b>2022</b> , 10, 75	2.9	2
2	Wireless UV-A LEDs-driven AOP in the treatment of agro-industrial wastewaters. <i>Environmental Research</i> , <b>2021</b> , 200, 111430	7.9	1
1	Combination of Adsorption in Natural Clays and Photo-Catalytic Processes for Winery Wastewater Treatment. <i>Advances in Science, Technology and Innovation</i> , <b>2021</b> , 291-294	0.3	