

Marco S Lucas

List of Publications by Year in descending order

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59
papers

3,325
citations

185998

28
h-index

189595

50
g-index

60
all docs

60
docs citations

60
times ranked

3544
citing authors

#	ARTICLE	IF	CITATIONS
1	Decolorization of the azo dye Reactive Black 5 by Fenton and photo-Fenton oxidation. <i>Dyes and Pigments</i> , 2006, 71, 236-244.	2.0	637
2	Treatment of winery wastewater by ozone-based advanced oxidation processes (O ₃ , O ₃ /UV and Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 7 Purification Technology, 2010, 72, 235-241.	3.9	276
3	Mature landfill leachate treatment by coagulation/flocculation combined with Fenton and solar photo-Fenton processes. <i>Journal of Hazardous Materials</i> , 2015, 286, 261-268.	6.5	239
4	Removal of COD from olive mill wastewater by Fenton's reagent: Kinetic study. <i>Journal of Hazardous Materials</i> , 2009, 168, 1253-1259.	6.5	196
5	Degradation of a textile reactive Azo dye by a combined chemicalâ€“biological process: Fenton's reagent-yeast. <i>Water Research</i> , 2007, 41, 1103-1109.	5.3	166
6	Degradation of Reactive Black 5 by Fenton/UV-C and ferrioxalate/H ₂ O ₂ /solar light processes. <i>Dyes and Pigments</i> , 2007, 74, 622-629.	2.0	151
7	Application of Advanced Oxidation Processes for the Treatment of Recalcitrant Agro-Industrial Wastewater: A Review. <i>Water (Switzerland)</i> , 2019, 11, 205.	1.2	149
8	Biodegradation of the diazo dye Reactive Black 5 by a wild isolate of <i>Candida oleophila</i> . <i>Enzyme and Microbial Technology</i> , 2006, 39, 51-55.	1.6	97
9	Ozonation kinetics of winery wastewater in a pilot-scale bubble column reactor. <i>Water Research</i> , 2009, 43, 1523-1532.	5.3	81
10	Treatment of winery wastewater by sulphate radicals: HSO ₅ ⁻ /transition metal/UV-A LEDs. <i>Chemical Engineering Journal</i> , 2017, 310, 473-483.	6.6	79
11	Microbiological and physicochemical characterization of olive mill wastewaters from a continuous olive mill in Northeastern Portugal. <i>Bioresource Technology</i> , 2008, 99, 7215-7223.	4.8	69
12	Photocatalytic degradation of Reactive Black 5 with TiO ₂ -coated magnetic nanoparticles. <i>Catalysis Today</i> , 2013, 209, 116-121.	2.2	69
13	Tertiary treatment of pulp mill wastewater by solar photo-Fenton. <i>Journal of Hazardous Materials</i> , 2012, 225-226, 173-181.	6.5	63
14	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> , 2019, 122, 94-101.	2.7	63
15	Solar Photochemical Treatment of Winery Wastewater in a CPC Reactor. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 11242-11248.	2.4	55
16	Combination of long term aerated storage and chemical coagulation/flocculation to winery wastewater treatment. <i>Desalination</i> , 2010, 263, 226-232.	4.0	54
17	Treatment of pulp mill wastewater by <i>Cryptococcus podzolicus</i> and solar photo-Fenton: A case study. <i>Chemical Engineering Journal</i> , 2014, 245, 158-165.	6.6	54
18	Disinfection of simulated and real winery wastewater using sulphate radicals: Peroxymonosulphate/transition metal/UV-A LED oxidation. <i>Journal of Cleaner Production</i> , 2017, 149, 805-817.	4.6	53

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19	Combined treatment of olive mill wastewater by Fenton's reagent and anaerobic biological process. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2015, 50, 161-168.	0.9	49
20	Inactivation of pathogenic microorganisms in freshwater using HSO ₅ ⁻ /UV-A LED and HSO ₅ ⁻ /Mn ²⁺ /UV-A LED oxidation processes. <i>Water Research</i> , 2017, 123, 113-123.	5.3	47
21	Inactivation of water pathogens with solar photo-activated persulfate oxidation. <i>Chemical Engineering Journal</i> , 2020, 381, 122275.	6.6	47
22	Treatment of crystallized-fruit wastewater by UV-A LED photo-Fenton and coagulation-flocculation. <i>Chemosphere</i> , 2016, 145, 351-359.	4.2	43
23	Winery wastewater treatment by combination of <i>Cryptococcus laurentii</i> and Fenton's reagent. <i>Chemosphere</i> , 2014, 117, 53-58.	4.2	37
24	Photocatalytic degradation of an agro-industrial wastewater model compound using a UV LEDs system: kinetic study. <i>Journal of Environmental Management</i> , 2020, 269, 110740.	3.8	36
25	Photocatalytic oxidation of Reactive Black 5 with UV-A LEDs. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 109-114.	3.3	35
26	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> , 2012, 47, 1809-1817.	0.9	34
27	Treatment of olive mill wastewater by a combined process: Fenton's reagent and chemical coagulation. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2009, 44, 198-205.	0.9	32
28	Pillared interlayered natural clays as heterogeneous photocatalysts for H ₂ O ₂ -assisted treatment of a winery wastewater. <i>Separation and Purification Technology</i> , 2019, 228, 115768.	3.9	31
29	Biodegradation of olive mill wastewaters by a wild isolate of <i>Candida oleophila</i> . <i>International Biodeterioration and Biodegradation</i> , 2012, 68, 45-50.	1.9	29
30	Intensification of ozonation processes in a novel, compact, multi-orifice oscillatory baffled column. <i>Chemical Engineering Journal</i> , 2016, 296, 335-339.	6.6	28
31	Winery wastewater treatment by a combined process: long term aerated storage and Fenton's reagent. <i>Water Science and Technology</i> , 2009, 60, 1089-1095.	1.2	27
32	Oxidation of winery wastewater by sulphate radicals: catalytic and solar photocatalytic activations. <i>Environmental Science and Pollution Research</i> , 2017, 24, 22414-22426.	2.7	27
33	Hydroxyl and sulfate radical advanced oxidation processes: Application to an agro-industrial wastewater. <i>Environmental Technology and Innovation</i> , 2021, 21, 101183.	3.0	26
34	Combination of Coagulation-Flocculation-Decantation and Ozonation Processes for Winery Wastewater Treatment. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 8882.	1.2	26
35	Removal of Emerging Contaminants by Fenton and UV-Driven Advanced Oxidation Processes. <i>Water, Air, and Soil Pollution</i> , 2015, 226, 1.	1.1	25
36	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> , 2008, 43, 1288-1295.	0.9	20

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37	Microalgae and immobilized TiO ₂ /UV-A LEDs as a sustainable alternative for winery wastewater treatment. <i>Water Research</i> , 2021, 203, 117464.	5.3	20
38	Treatment of high strength olive mill wastewater by Fenton's reagent and aerobic biological process. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2013, 48, 954-962.	0.9	17
39	Treatment of Winery Wastewater with a Combination of Adsorption and Thermocatalytic Processes. <i>Processes</i> , 2022, 10, 75.	1.3	17
40	Photocatalytic discolouration of Reactive Black 5 by UV-A LEDs and solar radiation. <i>Journal of Environmental Chemical Engineering</i> , 2015, 3, 2948-2956.	3.3	15
41	Combination of adsorption and heterogeneous photo-Fenton processes for the treatment of winery wastewater. <i>Environmental Science and Pollution Research</i> , 2019, 26, 31000-31013.	2.7	15
42	Advanced Oxidation Processes as sustainable technologies for the reduction of elderberry agro-industrial water impact. <i>Water Resources and Industry</i> , 2020, 24, 100137.	1.9	15
43	Wireless UV-A LEDs-driven AOP in the treatment of agro-industrial wastewaters. <i>Environmental Research</i> , 2021, 200, 111430.	3.7	14
44	Decolorization of Azo Dyes by Yeasts. <i>Handbook of Environmental Chemistry</i> , 2010, , 183-193.	0.2	12
45	Textile Dye Removal by <i>Acacia dealbata</i> Link. Pollen Adsorption Combined with UV-A/NTA/Fenton Process. <i>Topics in Catalysis</i> , 2022, 65, 1045-1061.	1.3	11
46	Food By-Product Valorization by Using Plant-Based Coagulants Combined with AOPs for Agro-Industrial Wastewater Treatment. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 4134.	1.2	8
47	Treatment of Agro-Industrial Wastewaters by Coagulation-Flocculation-Decantation and Advanced Oxidation Processes – A literature Review. , 0, , .		7
48	Catalytic Activity of Porous Phosphate Heterostructures-Fe towards Reactive Black 5 Degradation. <i>International Journal of Photoenergy</i> , 2013, 2013, 1-6.	1.4	6
49	Effect of Zr Impregnation on Clay-Based Materials for H ₂ O ₂ -Assisted Photocatalytic Wet Oxidation of Winery Wastewater. <i>Water (Switzerland)</i> , 2020, 12, 3387.	1.2	6
50	Advanced Oxidation Processes for Water and Wastewater Treatment. <i>Water (Switzerland)</i> , 2021, 13, 1309.	1.2	4
51	Aerobic Biological Treatment of Chestnut Processing Wastewater. <i>Water, Air, and Soil Pollution</i> , 2012, 223, 3721-3728.	1.1	2
52	Application of Combined Coagulation – Flocculation – Decantation/Photo-Fenton/Adsorption Process for Winery Wastewater Treatment. , 0, , .		2
53	Combination of Coagulation-Flocculation-Decantation with Sulfate Radicals for Agro-Industrial Wastewater Treatment. , 0, , .		2
54	Application of NaCl Plant Extracts to Decrease the Costs of Microfiltration for Winery Wastewater Treatment. , 0, , .		1

#	ARTICLE	IF	CITATIONS
55	Removal of Methylene Blue from Aqueous Solution by Application of Plant-Based Coagulants. , 0, , .		1
56	Combination of Adsorption in Natural Clays and Photo-Catalytic Processes for Winery Wastewater Treatment. Advances in Science, Technology and Innovation, 2021, , 291-294.	0.2	0
57	Application of Ferrocene in the Treatment of Winery Wastewater in a Heterogeneous Photo-Fenton Process. , 0, , .		0
58	Treatment of Winery Wastewater by an EDDS-Photo-Fenton Process: Assessment of UV-C, UV-A and Solar Radiation. , 0, , .		0
59	Treatment of Municipal Activated Sludge by Ultrasound-Fenton Process. , 0, , .		0