TÃ¢nia Fcv Silva

List of Publications by Year
in descending order

30 papers	982 citations	411340 20 h-index	511568 30 g-index
30 all docs	30 docs citations	30 times ranked	1275 citing authors

#	Article	IF	Citations
1	Solar-driven heterogeneous photocatalysis using a static mixer as TiO2-P25 support: Impact of reflector optics and material. Chemical Engineering Journal, 2022, 435, 134831.	6.6	7
2	Landfill leachate biological treatment: perspective for the aerobic granular sludge technology. Environmental Science and Pollution Research, 2022, 29, 45150-45170.	2.7	11
3	Turning Carbon Dioxide and Ethane into Ethanol by Solar-Driven Heterogeneous Photocatalysis over RuO2- and NiO-co-Doped SrTiO3. Catalysts, 2021, 11, 461.	1.6	18
4	Finding a suitable treatment solution for a leachate from a non-hazardous industrial solid waste landfill. Journal of Environmental Chemical Engineering, 2021, 9, 105168.	3.3	8
5	Incorporation of ozone-driven processes in a treatment line for a leachate from a hazardous industrial waste landfill: Impact on the bio-refractory character and dissolved organic matter distribution. Journal of Environmental Chemical Engineering, 2021, 9, 105554.	3.3	14
6	How does the pre-treatment of landfill leachate impact the performance of O3 and O3/UVC processes?. Chemosphere, 2021, 278, 130389.	4.2	12
7	Outdoor Cultivation of the Microalga Chlorella vulgaris in a New Photobioreactor Configuration: The Effect of Ultraviolet and Visible Radiation. Energies, 2020, 13, 1962.	1.6	6
8	Development of a treatment train for the remediation of a hazardous industrial waste landfill leachate: A big challenge. Science of the Total Environment, 2020, 741, 140165.	3.9	14
9	Ozone-driven processes for mature urban landfill leachate treatment: Organic matter degradation, biodegradability enhancement and treatment costs for different reactors configuration. Science of the Total Environment, 2020, 724, 138083.	3.9	44
10	Removal of bromate from drinking water using a heterogeneous photocatalytic mili-reactor: impact of the reactor material and water matrix. Environmental Science and Pollution Research, 2019, 26, 33281-33293.	2.7	5
11	Treatment train for mature landfill leachates: Optimization studies. Science of the Total Environment, 2019, 673, 470-479.	3.9	37
12	Intensifying heterogeneous TiO2 photocatalysis for bromate reduction using the NETmix photoreactor. Science of the Total Environment, 2019, 664, 805-816.	3.9	24
13	Multistage treatment technology for leachate from mature urban landfill: Full scale operation performance and challenges. Chemical Engineering Journal, 2019, 376, 120573.	6.6	24
14	Sulphur compounds removal from an industrial landfill leachate by catalytic oxidation and chemical precipitation: From a hazardous effluent to a value-added product. Science of the Total Environment, 2019, 655, 1249-1260.	3.9	27
15	Mineralization of humic acids (HAs) by a solar photo-Fenton reaction mediated by ferrioxalate complexes: commercial HAs vs extracted from leachates. Environmental Science and Pollution Research, 2018, 25, 27783-27795.	2.7	6
16	Cost-effective solar collector to promote photo-Fenton reactions: A case study on the treatment of urban mature leachate. Journal of Cleaner Production, 2018, 199, 369-382.	4.6	25
17	How the performance of a biological pre-oxidation step can affect a downstream photo-Fenton process on the remediation of mature landfill leachates: Assessment of kinetic parameters and characterization of the bacterial communities. Separation and Purification Technology, 2017, 175, 274-286.	3.9	21
18	An innovative multistage treatment system for sanitary landfill leachate depuration: Studies at pilot-scale. Science of the Total Environment, 2017, 576, 99-117.	3.9	60

#	ARTICLE	IF	CITATIONS
19	Remediation of a synthetic textile wastewater from polyester-cotton dyeing combining biological and photochemical oxidation processes. Separation and Purification Technology, 2017, 172, 450-462.	3.9	69
20	Nitrogen Removal from Landfill Leachate by Microalgae. International Journal of Molecular Sciences, 2016, 17, 1926.	1.8	42
21	Assessment of AOPs as a polishing step in the decolourisation of bio-treated textile wastewater: Technical and economic considerations. Journal of Photochemistry and Photobiology A: Chemistry, 2016, 317, 26-38.	2.0	28
22	Scale-up and cost analysis of a photo-Fenton system for sanitary landfill leachate treatment. Chemical Engineering Journal, 2016, 283, 76-88.	6.6	76
23	Insights into solar photo-Fenton reaction parameters in the oxidation of a sanitary landfill leachate at lab-scale. Journal of Environmental Management, 2015, 164, 32-40.	3.8	37
24	Performance evaluation of different solar advanced oxidation processes applied to the treatment of a real textile dyeing wastewater. Environmental Science and Pollution Research, 2015, 22, 833-845.	2.7	39
25	Insights into real cotton-textile dyeing wastewater treatment using solar advanced oxidation processes. Environmental Science and Pollution Research, 2014, 21, 932-945.	2.7	91
26	Biodegradability enhancement of a leachate after biological lagooning using a solar driven photo-Fenton reaction, and further combination with an activated sludge biological process, at pre-industrial scale. Water Research, 2013, 47, 3543-3557.	5.3	45
27	Multistage treatment system for raw leachate fromÂsanitary landfill combining biological nitrificationâ€“denitrification/solar photo-Fenton/biological processes, at a scale close to industrial â€“ Biodegradability enhancement and evolution profile of trace pollutants. Water Research, 2013, 47, 6167-6186.	5.3	71
28	Sanitary landfill leachate treatment using combined solar photo-Fenton and biological oxidation processes at pre-industrial scale. Chemical Engineering Journal, 2013, 228, 850-866.	6.6	46
29	Evaluation of solar photo-Fenton parameters on the pre-oxidation of leachates from a sanitary landfill. Solar Energy, 2012, 86, 3301-3315.	2.9	27
30	Solar photo-Fenton as a pre-oxidation step for biological treatment of landfill leachate in a pilot plant with CPCs. Catalysis Today, 2011, 161, 228-234.	2.2	48