

Irene Carra

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7971957/publications.pdf>

Version: 2024-02-01

23
papers

817
citations

586496

16
h-index

759306

22
g-index

23
all docs

23
docs citations

23
times ranked

1048
citing authors

#	ARTICLE	IF	CITATIONS
1	Microbubbles and their application to ozonation in water treatment: A critical review exploring their benefit and future application. <i>Critical Reviews in Environmental Science and Technology</i> , 2022, 52, 1561-1603.	6.6	34
2	Are microbubbles magic or just small? a direct comparison of hydroxyl radical generation between microbubble and conventional bubble ozonation under typical operational conditions. <i>Chemical Engineering Journal</i> , 2022, 435, 134854.	6.6	20
3	Ceramic vs polymeric membrane implementation for potable water treatment. <i>Water Research</i> , 2022, 215, 118269.	5.3	21
4	Impact of resin loading on ion exchange equilibrium for removal of organic matter and inorganic ions. <i>Journal of Hazardous Materials</i> , 2022, 431, 128530.	6.5	5
5	Sorptive removal of disinfection by-product precursors from UK lowland surface waters: Impact of molecular weight and bromide. <i>Science of the Total Environment</i> , 2021, 754, 142152.	3.9	5
6	Low-pressure membrane technology for potable water filtration: true costs. <i>Water Research</i> , 2021, 191, 116826.	5.3	14
7	Organic matter removal with bicarbonate-form ion exchange: water quality, kinetics and mass transfer mechanisms. <i>Journal of Water Process Engineering</i> , 2021, 44, 102337.	2.6	5
8	Disinfection by-product formation during UV/Chlorine treatment of pesticides in a novel UV-LED reactor at 285Ånm and the mitigation impact of GAC treatment. <i>Science of the Total Environment</i> , 2020, 712, 136413.	3.9	29
9	Performance of different advanced oxidation processes for tertiary wastewater treatment to remove the pesticide acetamiprid. <i>Journal of Chemical Technology and Biotechnology</i> , 2016, 91, 72-81.	1.6	64
10	Effect of elevated UV dose and alkalinity on metaldehyde removal and THM formation with UV/TiO ₂ and UV/H ₂ O ₂ . <i>Chemical Engineering Journal</i> , 2016, 288, 359-367.	6.6	23
11	Degradation and monitoring of acetamiprid, thiabendazole and their transformation products in an agro-food industry effluent during solar photo-Fenton treatment in a raceway pond reactor. <i>Chemosphere</i> , 2015, 130, 73-81.	4.2	55
12	Application of high intensity UVC-LED for the removal of acetamiprid with the photo-Fenton process. <i>Chemical Engineering Journal</i> , 2015, 264, 690-696.	6.6	62
13	Supported TiO ₂ solar photocatalysis at semi-pilot scale: degradation of pesticides found in citrus processing industry wastewater, reactivity and influence of photogenerated species. <i>Journal of Chemical Technology and Biotechnology</i> , 2015, 90, 149-157.	1.6	75
14	Modelling of the operation of raceway pond reactors for micropollutant removal by solar photo-Fenton as a function of photon absorption. <i>Applied Catalysis B: Environmental</i> , 2015, 178, 210-217.	10.8	56
15	Application of liquid chromatography quadrupole time-of-flight mass spectrometry to the identification of acetamiprid transformation products generated under oxidative processes in different water matrices. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 2549-2558.	1.9	16
16	Fate of thiabendazole through the treatment of a simulated agro-food industrial effluent by combined MBR/Fenton processes at 1/4g/L scale. <i>Water Research</i> , 2014, 51, 55-63.	5.3	50
17	New approach to solar photo-Fenton operation. Raceway ponds as tertiary treatment technology. <i>Journal of Hazardous Materials</i> , 2014, 279, 322-329.	6.5	71
18	Identification and monitoring of thiabendazole transformation products in water during Fenton degradation by LC-QTOF-MS. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 5323-5337.	1.9	43

#	ARTICLE	IF	CITATIONS
19	Phenomenological study and application of the combined influence of iron concentration and irradiance on the photo-Fenton process to remove micropollutants. <i>Science of the Total Environment</i> , 2014, 478, 123-132.	3.9	38
20	Study of iron sources and hydrogen peroxide supply in the photo-Fenton process using acetaminophen as model contaminant. <i>Journal of Chemical Technology and Biotechnology</i> , 2013, 88, 636-643.	1.6	8
21	Economic evaluation of a combined photo-Fenton/MBR process using pesticides as model pollutant. Factors affecting costs. <i>Journal of Hazardous Materials</i> , 2013, 244-245, 195-203.	6.5	85
22	Cost analysis of different hydrogen peroxide supply strategies in the solar photo-Fenton process. <i>Chemical Engineering Journal</i> , 2013, 224, 75-81.	6.6	38
23	Effect of Environmental Taxes as Correcting Negative Externalities Caused by Water Pollution Applied to the Agro-Food Industry. <i>Theoretical Economics Letters</i> , 2013, 03, 30-34.	0.2	0