

# Cristina T Matos

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

877  
citations

566801

15  
h-index

676716

22  
g-index

23  
all docs

23  
docs citations

23  
times ranked

1335  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of light on the production of bioelectricity and added-value microalgae biomass in a Photosynthetic Alga Microbial Fuel Cell. <i>Bioresource Technology</i> , 2014, 154, 171-177.	4.8	146
2	Chemical and biological-based isoprene production: Green metrics. <i>Catalysis Today</i> , 2015, 239, 38-43.	2.2	93
3	Simultaneous removal of perchlorate and nitrate from drinking water using the ion exchange membrane bioreactor concept. <i>Water Research</i> , 2006, 40, 231-240.	5.3	88
4	Removal of Bromate from Drinking Water Using the Ion Exchange Membrane Bioreactor Concept. <i>Environmental Science &amp; Technology</i> , 2008, 42, 7702-7708.	4.6	68
5	Environmental sustainability assessment of bioeconomy value chains. <i>Biomass and Bioenergy</i> , 2016, 89, 159-171.	2.9	68
6	Nitrate removal in a closed marine system through the ion exchange membrane bioreactor. <i>Journal of Hazardous Materials</i> , 2009, 166, 428-434.	6.5	47
7	Green metrics evaluation of isoprene production by microalgae and bacteria. <i>Green Chemistry</i> , 2013, 15, 2854-2864.	4.6	47
8	Life cycle assessment of advanced bioethanol production from pulp and paper sludge. <i>Bioresource Technology</i> , 2016, 208, 100-109.	4.8	47
9	Removal of mono-valent oxyanions from water in an ion exchange membrane bioreactor: Influence of membrane permselectivity. <i>Water Research</i> , 2008, 42, 1785-1795.	5.3	45
10	Integration of nanofiltration, UV photolysis, and advanced oxidation processes for the removal of hormones from surface water sources. <i>Separation and Purification Technology</i> , 2012, 95, 89-96.	3.9	43
11	How can the ambitious goals for the EU's future bioeconomy be supported by sustainable and efficient wood sourcing practices?. <i>Scandinavian Journal of Forest Research</i> , 2017, 32, 551-558.	0.5	34
12	Towards sustainable resource management: identification and quantification of human actions that compromise the accessibility of metal resources. <i>Resources, Conservation and Recycling</i> , 2021, 167, 105403.	5.3	30
13	Membrane separation and characterisation of lignin and its derived products obtained by a mild ethanol organosolv treatment of rice straw. <i>Process Biochemistry</i> , 2018, 65, 136-145.	1.8	29
14	Production of drinking water using a multi-barrier approach integrating nanofiltration: A pilot scale study. <i>Separation and Purification Technology</i> , 2013, 119, 112-122.	3.9	25
15	Removal of inorganic charged micropollutants from drinking water supplies by hybrid ion exchange membrane processes. <i>Desalination</i> , 2008, 223, 85-90.	4.0	18
16	Material system analysis: A novel multilayer system approach to correlate EU flows and stocks of Li-ion batteries and their raw materials. <i>Journal of Industrial Ecology</i> , 2022, 26, 1261-1276.	2.8	13
17	Using multi-parameter flow cytometry as a novel approach for physiological characterization of bacteria in microbial fuel cells. <i>Process Biochemistry</i> , 2013, 48, 49-57.	1.8	11
18	Removal of inorganic charged micropollutants in an ion-exchange membrane bioreactor. <i>Desalination</i> , 2005, 178, 203-210.	4.0	8

#	ARTICLE	IF	CITATIONS
19	Material system analysis: Functional and nonfunctional cobalt in the EU, 2012–2016. Journal of Industrial Ecology, 2022, 26, 1277-1293.	2.8	5
20	Optimisation of the removal of toxic mono-valent anions from water supplies in the ion exchange membrane bioreactor. Desalination, 2006, 199, 322-324.	4.0	4
21	Study of membrane ageing and grafting mechanisms using electron paramagnetic resonance. Desalination and Water Treatment, 2011, 27, 150-158.	1.0	4
22	Material system analysis: Characterization of flows, stocks, and performance indicators of manganese, nickel, and natural graphite in the EU, 2012–2016. Journal of Industrial Ecology, 0, , .	2.8	3