

Louis Carles

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

451
citations

687363

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940533

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17
all docs

17
docs citations

17
times ranked

490
citing authors

#	ARTICLE	IF	CITATIONS
1	Wastewater microorganisms impact the micropollutant biotransformation potential of natural stream biofilms. <i>Water Research</i> , 2022, 217, 118413.	11.3	17
2	Important ecological processes are affected by the accumulation and trophic transfer of nanoplastics in a freshwater periphyton-grazer food chain. <i>Environmental Science: Nano</i> , 2022, 9, 2990-3003.	4.3	5
3	Genomic analysis of the <i>Bacillus megaterium</i> Mes11: New insights into nitroreductase genes associated with the degradation of mesotrione. <i>International Biodeterioration and Biodegradation</i> , 2021, 162, 105254.	3.9	7
4	Potential of preventive bioremediation to reduce environmental contamination by pesticides in an agricultural context: A case study with the herbicide 2,4-D. <i>Journal of Hazardous Materials</i> , 2021, 416, 125740.	12.4	23
5	Impact of wastewater on the microbial diversity of periphyton and its tolerance to micropollutants in an engineered flow-through channel system. <i>Water Research</i> , 2021, 203, 117486.	11.3	31
6	Glyphosate-degrading behavior of five bacterial strains isolated from stream biofilms. <i>Journal of Hazardous Materials</i> , 2021, 420, 126651.	12.4	35
7	Interaction between glyphosate and dissolved phosphorus on bacterial and eukaryotic communities from river biofilms. <i>Science of the Total Environment</i> , 2020, 719, 137463.	8.0	17
8	Dissolved organic matter does not promote glyphosate degradation in auto-heterotrophic aquatic microbial communities. <i>Environmental Pollution</i> , 2020, 259, 113951.	7.5	14
9	Meta-analysis of glyphosate contamination in surface waters and dissipation by biofilms. <i>Environment International</i> , 2019, 124, 284-293.	10.0	103
10	Biodegradation and toxicity of a maize herbicide mixture: mesotrione, nicosulfuron and S-metolachlor. <i>Journal of Hazardous Materials</i> , 2018, 354, 42-53.	12.4	46
11	Nicosulfuron Degradation by an Ascomycete Fungus Isolated From Submerged Alnus Leaf Litter. <i>Frontiers in Microbiology</i> , 2018, 9, 3167.	3.5	16
12	Mesotrione Herbicide: Efficiency, Effects, and Fate in the Environment after 15 Years of Agricultural Use. <i>Clean - Soil, Air, Water</i> , 2017, 45, 1700011.	1.1	22
13	Identification of sulfonyleurea biodegradation pathways enabled by a novel nicosulfuron-transforming strain <i>Pseudomonas fluorescens</i> SG-1: Toxicity assessment and effect of formulation. <i>Journal of Hazardous Materials</i> , 2017, 324, 184-193.	12.4	47
14	Biotransformation of herbicides by aquatic microbial communities associated to submerged leaves. <i>Environmental Science and Pollution Research</i> , 2017, 24, 3664-3674.	5.3	18
15	Functional and structural characterization of two <i>Bacillus megaterium</i> nitroreductases biotransforming the herbicide mesotrione. <i>Biochemical Journal</i> , 2016, 473, 1443-1453.	3.7	21
16	How the edaphic <i>Bacillus megaterium</i> strain Mes11 adapts its metabolism to the herbicide mesotrione pressure. <i>Environmental Pollution</i> , 2015, 199, 198-208.	7.5	29