

Ana L Patrão-cio Silva

List of Publications by Year in descending order

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34
papers

2,641
citations

394390

19
h-index

414395

32
g-index

34
all docs

34
docs citations

34
times ranked

2377
citing authors

#	ARTICLE	IF	CITATIONS
1	Can the toxicity of polyethylene microplastics and engineered nanoclays on flatfish (<i>Solea</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5 804, 150188.	8.0	11
2	Microplastics in freshwater sediments: Effects on benthic invertebrate communities and ecosystem functioning assessed in artificial streams. <i>Science of the Total Environment</i> , 2022, 804, 150118.	8.0	35
3	The road to sustainable use and waste management of plastics in Portugal. <i>Frontiers of Environmental Science and Engineering</i> , 2022, 16, 5.	6.0	11
4	Co-Exposure with an Invasive Seaweed Exudate Increases Toxicity of Polyamide Microplastics in the Marine Mussel <i>Mytilus galloprovincialis</i> . <i>Toxics</i> , 2022, 10, 43.	3.7	6
5	Role of Microorganisms in Eco-remediation. , 2022, , 1237-1275.		0
6	Are mulch biofilms used in agriculture an environmentally friendly solution? - An insight into their biodegradability and ecotoxicity using key organisms in soil ecosystems. <i>Science of the Total Environment</i> , 2022, 828, 154269.	8.0	26
7	<i>Lumbriculus variegatus</i> (oligochaeta) exposed to polyethylene microplastics: biochemical, physiological and reproductive responses. <i>Ecotoxicology and Environmental Safety</i> , 2021, 207, 111375.	6.0	41
8	Oxidative damage and decreased aerobic energy production due to ingestion of polyethylene microplastics by <i>Chironomus riparius</i> (Diptera) larvae. <i>Journal of Hazardous Materials</i> , 2021, 402, 123775.	12.4	62
9	Increased plastic pollution due to COVID-19 pandemic: Challenges and recommendations. <i>Chemical Engineering Journal</i> , 2021, 405, 126683.	12.7	552
10	Are Microplastics Impairing Marine Fish Larviculture?â€”Preliminary Results with <i>Argyrosomus regius</i> . <i>Water (Switzerland)</i> , 2021, 13, 104.	2.7	19
11	Disposable over Reusable Face Masks: Public Safety or Environmental Disaster?. <i>Environments - MDPI</i> , 2021, 8, 31.	3.3	38
12	New frontiers in remediation of (micro)plastics. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2021, 28, 100443.	5.9	13
13	Microplastics in landfill leachates: The need for reconnaissance studies and remediation technologies. <i>Case Studies in Chemical and Environmental Engineering</i> , 2021, 3, 100072.	6.1	86
14	Immune response triggered by the ingestion of polyethylene microplastics in the dipteran larvae <i>Chironomus riparius</i> . <i>Journal of Hazardous Materials</i> , 2021, 414, 125401.	12.4	37
15	Are Biobased Plastics Green Alternatives?â€”A Critical Review. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 7729.	2.6	48
16	Future-proofing plastic waste management for a circular bioeconomy. <i>Current Opinion in Environmental Science and Health</i> , 2021, 22, 100263.	4.1	12
17	Preparation of biological samples for microplastic identification by Nile Red. <i>Science of the Total Environment</i> , 2021, 783, 147065.	8.0	36
18	Suborganismal responses of the aquatic midge <i>Chironomus riparius</i> to polyethylene microplastics. <i>Science of the Total Environment</i> , 2021, 783, 146981.	8.0	21

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19	Risks of Covid-19 face masks to wildlife: Present and future research needs. <i>Science of the Total Environment</i> , 2021, 792, 148505.	8.0	73
20	An urgent call to think globally and act locally on landfill disposable plastics under and after covid-19 pandemic: Pollution prevention and technological (Bio) remediation solutions. <i>Chemical Engineering Journal</i> , 2021, 426, 131201.	12.7	59
21	COVID-19 Pandemic Repercussions on the Use and Management of Plastics. <i>Environmental Science & Technology</i> , 2020, 54, 7760-7765.	10.0	649
22	Rethinking and optimising plastic waste management under COVID-19 pandemic: Policy solutions based on redesign and reduction of single-use plastics and personal protective equipment. <i>Science of the Total Environment</i> , 2020, 742, 140565.	8.0	331
23	Do microplastics affect the zoanthid <i>Zoanthus sociatus</i> ?. <i>Science of the Total Environment</i> , 2020, 713, 136659.	8.0	40
24	Role of Microorganisms in Eco-remediation. , 2020, , 1-39.		0
25	Solutions and Integrated Strategies for the Control and Mitigation of Plastic and Microplastic Pollution. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 2411.	2.6	258
26	Ingestion of small-sized and irregularly shaped polyethylene microplastics affect <i>Chironomus riparius</i> life-history traits. <i>Science of the Total Environment</i> , 2019, 672, 862-868.	8.0	97
27	Increased frequency of freeze-thaw events in a future climate can significantly increase negative effects of copper on enchytraeids. <i>Applied Soil Ecology</i> , 2016, 107, 272-278.	4.3	4
28	Effect of freeze-thaw cycles and 4-nonylphenol on cellular energy allocation in the freeze-tolerant enchytraeid <i>Enchytraeus albidus</i> . <i>Environmental Science and Pollution Research</i> , 2016, 23, 3548-3555.	5.3	2
29	Uptake and Elimination of 4-Nonylphenol in the Enchytraeid <i>Enchytraeus albidus</i> . <i>Bulletin of Environmental Contamination and Toxicology</i> , 2016, 96, 156-161.	2.7	3
30	Adaptations of enchytraeids to single and combined effects of physical and chemical stressors. <i>Environmental Reviews</i> , 2016, 24, 1-12.	4.5	22
31	Salinity changes impact of hazardous chemicals in <i>Enchytraeus albidus</i> . <i>Environmental Toxicology and Chemistry</i> , 2015, 34, 2159-2166.	4.3	10
32	Importance of Freeze-Thaw Events in Low Temperature Ecotoxicology of Cold Tolerant Enchytraeids. <i>Environmental Science & Technology</i> , 2014, 48, 9790-9796.	10.0	12
33	Worms from the Arctic are better adapted to freezing and high salinity than worms from temperate regions: Oxidative stress responses in <i>Enchytraeus albidus</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2013, 166, 582-589.	1.8	9
34	Soil salinity increases survival of freezing in the enchytraeid <i>Enchytraeus albidus</i> . <i>Journal of Experimental Biology</i> , 2013, 216, 2732-40.	1.7	18