

Myriam CatalÃ¡;

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

1,725
citations

304743

22
h-index

289244

40
g-index

48
all docs

48
docs citations

48
times ranked

2572
citing authors

#	ARTICLE	IF	CITATIONS
1	Detection of pharmaceutically active compounds in the rivers and tap water of the Madrid Region (Spain) and potential ecotoxicological risk. <i>Chemosphere</i> , 2011, 84, 1336-1348.	8.2	300
2	Pollution by psychoactive pharmaceuticals in the Rivers of Madrid metropolitan area (Spain). <i>Environment International</i> , 2010, 36, 195-201.	10.0	175
3	Occurrence of pharmaceutical, recreational and psychotropic drug residues in surface water on the northern Antarctic Peninsula region. <i>Environmental Pollution</i> , 2017, 229, 241-254.	7.5	151
4	Analysis of the presence of cardiovascular and analgesic/anti-inflammatory/antipyretic pharmaceuticals in river- and drinking-water of the Madrid Region in Spain. <i>Chemosphere</i> , 2011, 82, 1062-1071.	8.2	115
5	Drugs of abuse in surface and tap waters of the Tagus River basin: Heterogeneous photo-Fenton process is effective in their degradation. <i>Environment International</i> , 2012, 41, 35-43.	10.0	76
6	Seasonal variation of pharmaceutically active compounds in surface (Tagus River) and tap water (Central Spain). <i>Environmental Science and Pollution Research</i> , 2013, 20, 1396-1412.	5.3	69
7	Heterogeneous photo-Fenton treatment for the reduction of pharmaceutical contamination in Madrid rivers and ecotoxicological evaluation by a miniaturized fern spores bioassay. <i>Chemosphere</i> , 2010, 80, 381-388.	8.2	64
8	Biomarker assessment of toxicity with miniaturised bioassays: diclofenac as a case study. <i>Ecotoxicology</i> , 2012, 21, 289-296.	2.4	59
9	The impact of dehydration rate on the production and cellular location of reactive oxygen species in an aquatic moss. <i>Annals of Botany</i> , 2012, 110, 1007-1016.	2.9	56
10	Elimination of drugs of abuse and their toxicity from natural waters by photo-Fenton treatment. <i>Science of the Total Environment</i> , 2015, 520, 198-205.	8.0	54
11	Presence of endocrine disruptors in freshwater in the northern Antarctic Peninsula region. <i>Environmental Research</i> , 2016, 147, 179-192.	7.5	52
12	Fungal-associated NO is involved in the regulation of oxidative stress during rehydration in lichen symbiosis. <i>BMC Microbiology</i> , 2010, 10, 297.	3.3	51
13	Comparative evaluation of acute toxicity by <i>Vibrio fischeri</i> and fern spore based bioassays in the follow-up of toxic chemicals degradation by photocatalysis. <i>Journal of Hazardous Materials</i> , 2012, 213-214, 117-122.	12.4	42
14	Nicotine occurrence in bottled mineral water: Analysis of 10 brands of water in Spain. <i>Science of the Total Environment</i> , 2012, 416, 527-531.	8.0	41
15	Proteomic analysis of lung biopsies: Differential protein expression profile between peritumoral and tumoral tissue. <i>Proteomics</i> , 2004, 4, 442-447.	2.2	33
16	Preliminary data suggest that venlafaxine environmental concentrations could be toxic to plants. <i>Chemosphere</i> , 2013, 90, 2065-2069.	8.2	31
17	Hepatic response to the oxidative stress induced by <i>E. coli</i> endotoxin: Glutathione as an index of the acute phase during the endotoxic shock. <i>Molecular and Cellular Biochemistry</i> , 1996, 159, 115-121.	3.1	28
18	Lichen Rehydration in Heavy Metal-Polluted Environments: Pb Modulates the Oxidative Response of Both <i>Ramalina farinacea</i> Thalli and Its Isolated Microalgae. <i>Microbial Ecology</i> , 2015, 69, 698-709.	2.8	27

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19	Dehydration rate determines the degree of membrane damage and desiccation tolerance in bryophytes. <i>Physiologia Plantarum</i> , 2017, 159, 277-289.	5.2	26
20	Psychoactive pharmaceutical residues in the watersheds of Galicia (Spain). <i>Gaceta Sanitaria</i> , 2012, 26, 457-459.	1.5	25
21	The organic air pollutant cumene hydroperoxide interferes with NO antioxidant role in rehydrating lichen. <i>Environmental Pollution</i> , 2013, 179, 277-284.	7.5	25
22	Environmental concentrations of the cocaine metabolite benzoylecgonine induced sublethal toxicity in the development of plants but not in a zebrafish embryo's larval model. <i>Journal of Hazardous Materials</i> , 2015, 300, 866-872.	12.4	25
23	Characterization of the simultaneous binding of <i>Escherichia coli</i> endotoxin to Kupffer and endothelial liver cells by flow cytometry. <i>Cytometry</i> , 1999, 36, 123-130.	1.8	22
24	Development of a naturally miniaturised testing method based on the mitochondrial activity of fern spores: A new higher plant bioassay. <i>Chemosphere</i> , 2009, 77, 983-988.	8.2	22
25	From Laboratory Tests to the Ecoremedial System: The Importance of Microorganisms in the Recovery of PPCPs-Disturbed Ecosystems. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3391.	2.5	19
26	Development of cost-effective strategies for environmental monitoring of irrigated areas in Mediterranean regions: Traditional and new approaches in a changing world. <i>Agriculture, Ecosystems and Environment</i> , 2013, 181, 41-49.	5.3	17
27	Nitric Oxide: A Multitask Player in Plant's Microorganism Symbioses. <i>Signaling and Communication in Plants</i> , 2016, , 239-268.	0.7	17
28	The endocrine disruptor nonylphenol induces sublethal toxicity in vascular plant development at environmental concentrations: A risk for riparian plants and irrigated crops?. <i>Environmental Pollution</i> , 2016, 216, 480-486.	7.5	16
29	River waters induced neurotoxicity in an embryo's larval zebrafish model. <i>Ecotoxicology and Environmental Safety</i> , 2012, 84, 84-91.	6.0	11
30	Preliminary assessment of terrestrial microalgae isolated from lichens as testing species for environmental monitoring: Lichen phycobionts present high sensitivity to environmental micropollutants. <i>Ecotoxicology and Environmental Safety</i> , 2014, 99, 35-44.	6.0	10
31	Inhibition of NO Biosynthetic Activities during Rehydration of <i>Ramalina farinacea</i> Lichen Thalli Provokes Increases in Lipid Peroxidation. <i>Plants</i> , 2019, 8, 189.	3.5	10
32	Endogenous NO Is Involved in Dissimilar Responses to Rehydration and Pb(NO ₃) ₂ in <i>Ramalina farinacea</i> Thalli and Its Isolated Phycobionts. <i>Microbial Ecology</i> , 2020, 79, 604-616.	2.8	8
33	Action of <i>E. coli</i> endotoxin, IL-1beta and TNF-alpha on antioxidant status of cultured hepatocytes. <i>Molecular and Cellular Biochemistry</i> , 2002, 231, 75-82.	3.1	7
34	New microbioassays based on biomarkers are more sensitive to fluvial water micropollution than standard testing methods. <i>Ecotoxicology and Environmental Safety</i> , 2013, 93, 52-59.	6.0	7
35	Lichen microalgae are sensitive to environmental concentrations of atrazine. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2017, 52, 223-228.	1.5	7
36	Analysis of lipid peroxidation in animal and plant tissues as field-based biomarker in Mediterranean irrigated agroecosystems (Extremadura, Spain). <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2018, 53, 567-579.	1.5	7

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37	Mitochondrial activity in fern spores of <i>Cyathea costaricensis</i> as an indicator of the impact of land use and water quality in rivers running through cloud forests. <i>Chemosphere</i> , 2017, 189, 435-444.	8.2	6
38	Biological Strategies of Lichen Symbionts to the Toxicity of Lead (Pb). <i>Radionuclides and Heavy Metals in Environment</i> , 2020, , 149-170.	0.8	5
39	Detection of active cell death markers in rehydrated lichen thalli and the involvement of nitrogen monoxide (NO).. <i>Symbiosis</i> , 2020, 82, 59-67.	2.3	4
40	Mitochondrial Activity of Fern Spores for the Evaluation of Acute Toxicity in Higher Plant Development. , 2011, , 237-247.		2
41	Chronic Phytotoxicity in Gametophytes: DNA as Biomarker of Growth and Chlorophyll Autofluorescence as Biomarker of Cell Function. , 2011, , 249-260.		1
42	Response to the letter to the editor by Maraver et al. (2012). Nicotine traces detected in bottled mineral water. <i>Science of the Total Environment</i> , 2012, 424, 358-359.	8.0	1
43	Update on the Assessment of Chronic Phytotoxicity Using Fern Spore Biomarkers. , 2018, , 499-515.		0
44	Recent Advances in the Use of Mitochondrial Activity of Fern Spores for the Evaluation of Acute Toxicity. , 2018, , 481-498.		0
45	Biotechnological applications of lichen phycobionts: fast bioassay of environmental toxicity. <i>Symbiosis</i> , 2020, 82, 69-78.	2.3	0
46	Chemical Characterization of the Lichen-Symbiont Microalga <i>Asterochloris erici</i> and Study of Its Cytostatic Effect on the L929 Murine Fibrosarcoma Cell Line. <i>Processes</i> , 2021, 9, 1509.	2.8	0
47	Role of NO in lichens. , 2022, , 407-429.		0