

Isabelle Laffont-Schwob or isabelle Schwob

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

1,216
citations

471061

17
h-index

377514

34
g-index

54
all docs

54
docs citations

54
times ranked

1685
citing authors

#	ARTICLE	IF	CITATIONS
1	Occurrence and ecotoxicological assessment of pharmaceuticals: Is there a risk for the Mediterranean aquatic environment?. <i>Science of the Total Environment</i> , 2018, 639, 1334-1348.	3.9	213
2	Constructed wetlands to reduce metal pollution from industrial catchments in aquatic Mediterranean ecosystems: A review to overcome obstacles and suggest potential solutions. <i>Environment International</i> , 2014, 64, 1-16.	4.8	116
3	Effect of phytoliths for mitigating water stress in durum wheat. <i>New Phytologist</i> , 2017, 215, 229-239.	3.5	77
4	Changes in essential oil composition in Saint John's wort (<i>Hypericum perforatum</i> L.) aerial parts during its phenological cycle. <i>Biochemical Systematics and Ecology</i> , 2004, 32, 735-745.	0.6	72
5	Selection of wild macrophytes for use in constructed wetlands for phytoremediation of contaminant mixtures. <i>Journal of Environmental Management</i> , 2015, 147, 108-123.	3.8	72
6	Selection of native plants with phytoremediation potential for highly contaminated Mediterranean soil restoration: Tools for a non-destructive and integrative approach. <i>Journal of Environmental Management</i> , 2016, 183, 850-863.	3.8	57
7	Composition of the essential oils of <i>Hypericum perforatum</i> L. from southeastern France. <i>Comptes Rendus - Biologies</i> , 2002, 325, 781-785.	0.1	53
8	Trace metal and metalloid contamination levels in soils and in two native plant species of a former industrial site: Evaluation of the phytostabilization potential. <i>Journal of Hazardous Materials</i> , 2013, 248-249, 131-141.	6.5	53
9	Transfer of metals and metalloids from soil to shoots in wild rosemary (<i>Rosmarinus officinalis</i> L.) growing on a former lead smelter site: Human exposure risk. <i>Science of the Total Environment</i> , 2013, 454-455, 219-229.	3.9	47
10	Composition and antimicrobial activity of the essential oil of <i>Hypericum coris</i> . <i>FÃ-toterapÃ</i> , 2002, 73, 511-513.	1.1	33
11	Occurrence of toxic <i>Planktothrix rubescens</i> blooms in lake Nantua, France. <i>Toxicon</i> , 2004, 43, 279-285.	0.8	31
12	Screening biological traits and fluoride contents of native vegetations in arid environments to select efficiently fluoride-tolerant native plant species for in-situ phytoremediation. <i>Chemosphere</i> , 2015, 119, 217-223.	4.2	31
13	As, Pb, Sb, and Zn transfer from soil to root of wild rosemary: do native symbionts matter?. <i>Plant and Soil</i> , 2014, 382, 219-236.	1.8	27
14	Heavy Metal and Arsenic Resistance of the Halophyte <i>Atriplex halimus</i> L. Along a Gradient of Contamination in a French Mediterranean Spray Zone. <i>Water, Air, and Soil Pollution</i> , 2014, 225, 1.	1.1	22
15	Trace metal extraction and biomass production by spontaneous vegetation in temporary Mediterranean stormwater highway retention ponds: Freshwater macroalgae (<i>Chara</i> spp.) vs. cattails (<i>Typha</i> spp.). <i>Ecological Engineering</i> , 2015, 81, 173-181.	1.6	22
16	Effects of climatic factors on native arbuscular mycorrhizae and <i>Meloidogyne exigua</i> in a Brazilian rubber tree (<i>Hevea brasiliensis</i>) plantation. <i>Plant Pathology</i> , 1999, 48, 19-25.	1.2	20
17	Biological Removal and Fate Assessment of Diclofenac Using <i>Bacillus subtilis</i> and <i>Brevibacillus laterosporus</i> Strains and Ecotoxicological Effects of Diclofenac and 4-Hydroxy-diclofenac. <i>Journal of Chemistry</i> , 2020, 2020, 1-12.	0.9	20
18	Composition of volatile oils of <i>Styrax</i> (<i>Styrax officinalis</i> L.) leaves at different phenological stages. <i>Biochemical Systematics and Ecology</i> , 2006, 34, 705-709.	0.6	18

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19	Characterization of Metal Tolerance and Accumulation in <i>Grevillea Exul</i> VAR <i>Exul</i> . International Journal of Phytoremediation, 2007, 9, 419-435.	1.7	17
20	Anatomical element localization by EDXS in <i>Grevillea exul</i> var. <i>exul</i> under nickel stress. Environmental Pollution, 2008, 156, 1156-1163.	3.7	17
21	Advances and limits of two model species for ecotoxicological assessment of carbamazepine, two by-products and their mixture at environmental level in freshwater. Water Research, 2020, 169, 115267.	5.3	16
22	Decision-making criteria for plant-species selection for phytostabilization: Issues of biodiversity and functionality. Journal of Environmental Management, 2017, 201, 215-226.	3.8	15
23	How can a rare protected plant cope with the metal and metalloid soil pollution resulting from past industrial activities? Phytometabolites, antioxidant activities and root symbiosis involved in the metal tolerance of <i>Astragalus tragacantha</i> . Chemosphere, 2019, 217, 887-896.	4.2	15
24	Composition and Antimicrobial Activity of the Essential Oil of <i>Hypericum hyssopifolium</i> ssp. <i>hyssopifolium</i> from Southeast France. Journal of Essential Oil Research, 2006, 18, 469-471.	1.3	11
25	Caryophyllene Oxide-rich Essential Oils of Lithuanian <i>Artemisia campestris</i> ssp. <i>campestris</i> and Their Toxicity. Natural Product Communications, 2010, 5, 1934578X1000501.	0.2	10
26	Impact of organic pollutants on metal and As uptake by helophyte species and consequences for constructed wetlands design and management. Water Research, 2015, 68, 328-341.	5.3	9
27	Implication of phytometabolites on metal tolerance of the pseudo-metallophyte <i>Rosmarinus officinalis</i> in a Mediterranean brownfield. Chemosphere, 2020, 249, 126159.	4.2	9
28	Growth and gas exchange responses of <i>Hevea brasiliensis</i> seedlings to inoculation with <i>Glomus mosseae</i> . Trees - Structure and Function, 1998, 12, 236-240.	0.9	8
29	Heavy Metal Lability in Porewater of Highway Detention Pond Sediments in South-Eastern France in Relation to Submerged Vegetation. Water, Air, and Soil Pollution, 2010, 209, 229-240.	1.1	8
30	Evidence of <i>Chara fibrosa</i> Agardh ex Bruzelius, an alien species in South France. Acta Botanica Gallica, 2013, 160, 157-163.	0.9	8
31	An Arbuscular Mycorrhizal Fungus (<i>Glomus mosseae</i>) Induces a Defence-like Response in Rubber Tree (<i>Hevea brasiliensis</i>) Roots. Journal of Plant Physiology, 2000, 156, 284-287.	1.6	7
32	Larvicidal activity of extracts from <i>Artemisia</i> species against <i>Culex pipiens</i> L. Mosquito: Comparing endemic versus ubiquitous species for effectiveness. Comptes Rendus - Biologies, 2012, 335, 19-25.	0.1	7
33	Changes in mesophyll element distribution and phytometabolite contents involved in fluoride tolerance of the arid gypsum-tolerant plant species <i>Atractylis serratuloides</i> Sieber ex Cass. (Asteraceae). Environmental Science and Pollution Research, 2015, 22, 7918-7929.	2.7	7
34	Gain in biodiversity but not in phytostabilization after 3 years of ecological restoration of contaminated Mediterranean soils. Ecological Engineering, 2020, 157, 105998.	1.6	6
35	Evaluation of a potential candidate for heavy metal phytostabilization in polluted sites of the Mediterranean littoral (SE Marseille): endomycorrhizal status, fitness biomarkers and metal content of <i>Atriplex halimus</i> spontaneous populations. Ecological Questions, 0, 14, 89.	0.1	6
36	Essential oil composition of leaf, flower and stem of <i>Styrax</i> (<i>Styrax officinalis</i> L.) from south-eastern France. Flavour and Fragrance Journal, 2006, 21, 809-912.	1.2	5

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37	Tolerance strategies of two Mediterranean native xerophytes under fluoride pollution in Tunisia. <i>Environmental Science and Pollution Research</i> , 2018, 25, 34753-34764.	2.7	5
38	Cytotoxic effect and electrophysiological activity of S-irniine, a synthesised isomer of the natural R-irniine, on human MRC-5 fibroblasts. <i>Natural Product Research</i> , 2005, 19, 573-580.	1.0	4
39	Comparison of Essential Oil Composition of <i>Daniellia oliveri</i> (Rolfe) Hutch et Dalz. (Caesalpiniaceae) Leaves from Senegal and Ivory Coast. <i>Journal of Essential Oil Research</i> , 2008, 20, 155-157.	1.3	4
40	Biomonitoring of <i>Epilobium hirsutum</i> L. Health Status to Assess Water Ecotoxicity in Constructed Wetlands Treating Mixtures of Contaminants. <i>Water (Switzerland)</i> , 2015, 7, 697-715.	1.2	4
41	Proposal of a new ecotoxicity evaluation tool based on morphological responses of five helophytes to mixtures of pollutants: The Helophyte Development Index. <i>Ecological Engineering</i> , 2015, 77, 180-188.	1.6	4
42	Assessment of water quality from the Blue Lagoon of El Cobre mine in Santiago de Cuba: a preliminary study for water reuse. <i>Environmental Science and Pollution Research</i> , 2019, 26, 16366-16377.	2.7	3
43	Functional Trait-Based Screening of Zn-Pb Tolerant Wild Plant Species at an Abandoned Mine Site in Gard (France) for Rehabilitation of Mediterranean Metal-Contaminated Soils. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 5506.	1.2	3
44	Chloride accumulation in aboveground biomass of three macrophytes (<i>Phragmites australis</i> , <i>Juncus</i>) for Cl ⁻ removal and phytodesalinization. <i>Environmental Science and Pollution Research</i> , 2022, 29, 35284-35299.	2.7	3
45	<i>Coronilla juncea</i> , a native candidate for phytostabilization of potentially toxic elements and restoration of Mediterranean soils. <i>Scientific Reports</i> , 2022, 12, .	1.6	3
46	Cytotoxic Effect and Electrophysiological Study on Human Mrc-5 Fibroblasts of R-Irniine, A Natural Alkylpyrrolidine Alkaloid. <i>Natural Product Research</i> , 2004, 18, 311-318.	1.0	2
47	Evaluation of an integrated constructed wetland to manage pig manure under Mediterranean climate. <i>Environmental Science and Pollution Research</i> , 2016, 23, 16383-16395.	2.7	2
48	Is a restricted niche the explanation for species vulnerability? Insights from a large field survey of <i>Astragalus tragacantha</i> L. (Fabaceae). <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2021, 283, 151902.	0.6	2
49	Coastal environments shape chemical and microbial properties of forest litters in the Circum-Mediterranean region. <i>European Journal of Soil Science</i> , 2021, 72, 1010-1025.	1.8	1
50	Évaluation du risque sanitaire de sols pollués méditerranéens: choix de variables et spatialisation. <i>VertigO: La Revue Electronique En Sciences De L'environnement</i> , 2021, .	0.0	0