

Cedric Bertrand

List of Publications by Year in descending order

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44
papers

1,196
citations

394421

19
h-index

395702

33
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44
all docs

44
docs citations

44
times ranked

1854
citing authors

#	ARTICLE	IF	CITATIONS
1	Plant secondary metabolite profiling evidences strain-dependent effect in the <i>Azospirillum</i> – <i>Oryza sativa</i> association. <i>Phytochemistry</i> , 2013, 87, 65-77.	2.9	154
2	Host plant secondary metabolite profiling shows a complex, strain-dependent response of maize to plant growth-promoting rhizobacteria of the genus <i>Azospirillum</i> . <i>New Phytologist</i> , 2011, 189, 494-506.	7.3	147
3	Oregano: Chemical Analysis and Evaluation of Its Antimalarial, Antioxidant, and Cytotoxic Activities. <i>Journal of Food Science</i> , 2011, 76, C512-8.	3.1	122
4	Jasmonate controls late development stages of petal growth in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2009, 60, 1070-1080.	5.7	90
5	Differential Effects of Rare Specific Flavonoids on Compatible and Incompatible Strains in the <i>Myrica gale</i> - <i>Frankia</i> Actinorhizal Symbiosis. <i>Applied and Environmental Microbiology</i> , 2010, 76, 2451-2460.	3.1	62
6	Identification of the alkaloids of <i>Galipea officinalis</i> by gas chromatography-mass spectrometry. <i>Phytochemical Analysis</i> , 2001, 12, 312-319.	2.4	52
7	Antibacterial activity of carob (<i>Ceratonia siliqua</i> L.) extracts against phytopathogenic bacteria <i>Pectobacterium atrosepticum</i> . <i>Microbial Pathogenesis</i> , 2015, 78, 95-102.	2.9	44
8	Ecotoxicological Impact of the Bioherbicide <i>Leptospermone</i> on the Microbial Community of Two Arable Soils. <i>Frontiers in Microbiology</i> , 2016, 7, 775.	3.5	31
9	Allelopathy and allelochemicals from microalgae: An innovative source for bio-herbicidal compounds and biocontrol research. <i>Algal Research</i> , 2021, 54, 102213.	4.6	29
10	High vs. low yielding oleoresin <i>Pinus halepensis</i> Mill. trees GC terpenoids profiling as diagnostic tool. <i>Annals of Forest Science</i> , 2010, 67, 412-412.	2.0	28
11	Assessment of the ecotoxicological impact of natural and synthetic β -triketone herbicides on the diversity and activity of the soil bacterial community using omic approaches. <i>Science of the Total Environment</i> , 2019, 651, 241-249.	8.0	28
12	Novel bacterial bioassay for a high-throughput screening of 4-hydroxyphenylpyruvate dioxygenase inhibitors. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 7243-7252.	3.6	27
13	Chemical composition of essential oil and headspace-solid microextracts from fruits of <i>Myrica gale</i> L. and antifungal activity. <i>Natural Product Research</i> , 2008, 22, 1024-1032.	1.8	24
14	Essential oils from Algerian species of <i>Mentha</i> as new bio-control agents against phytopathogen strains. <i>Environmental Science and Pollution Research</i> , 2018, 25, 29889-29900.	5.3	24
15	The bacterial thiopurine methyltransferase tellurite resistance process is highly dependent upon aggregation properties and oxidative stress response. <i>Environmental Microbiology</i> , 2012, 14, 2645-2660.	3.8	21
16	Strain specificity in the Myricaceae - <i>Frankia</i> symbiosis is correlated to plant root phenolics. <i>Functional Plant Biology</i> , 2011, 38, 682.	2.1	21
17	Solid-phase microextraction of volatile compounds from flowers of two <i>Brunfelsia</i> species. <i>Biochemical Systematics and Ecology</i> , 2006, 34, 371-375.	1.3	20
18	An Allelochemical from <i>Myrica gale</i> with Strong Phytotoxic Activity against Highly Invasive <i>Fallopia x bohemica</i> Taxa. <i>Molecules</i> , 2011, 16, 2323-2333.	3.8	20

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19	Chemical composition and antifungal activity of plant extracts traditionally used in organic and biodynamic farming. <i>Environmental Science and Pollution Research</i> , 2018, 25, 29971-29982.	5.3	20
20	Environmental Metabolic Footprinting: A novel application to study the impact of a natural and a synthetic Î²-triketone herbicide in soil. <i>Science of the Total Environment</i> , 2016, 566-567, 552-558.	8.0	19
21	Differential responses of <i>Oryza sativa</i> secondary metabolism to biotic interactions with cooperative, commensal and phytopathogenic bacteria. <i>Planta</i> , 2015, 242, 1439-1452.	3.2	16
22	Biodegradable herbicide delivery systems with slow diffusion in soil and UV protection properties. <i>Pest Management Science</i> , 2014, 70, 1697-1705.	3.4	15
23	Invasive <i>Fallopia</i> – <i>bohemica</i> interspecific hybrids display different patterns in secondary metabolites. <i>Ecoscience</i> , 2013, 20, 230-239.	1.4	14
24	Environmental Metabolic Footprinting (EMF) vs. half-life: a new and integrative proxy for the discrimination between control and pesticides-exposed sediments in order to further characterise pesticides' environmental impact. <i>Environmental Science and Pollution Research</i> , 2018, 25, 29841-29847.	5.3	14
25	Molluscicidal and parasiticidal activities of <i>Eryngium triquetrum</i> essential oil on <i>Schistosoma mansoni</i> and its intermediate snail host <i>Biomphalaria glabrata</i> , a double impact. <i>Parasites and Vectors</i> , 2020, 13, 486.	2.5	14
26	Essential Oils from Two Apiaceae Species as Potential Agents in Organic Crops Protection. <i>Antibiotics</i> , 2021, 10, 636.	3.7	13
27	Constituents of <i>Pilocarpus trachylophus</i> . <i>Fä-toterapÄ-t</i> , 2001, 72, 844-847.	2.2	12
28	Flazasulfuron: Alcoholysis, Chemical Hydrolysis, and Degradation on Various Minerals. <i>Journal of Agricultural and Food Chemistry</i> , 2003, 51, 7717-7721.	5.2	11
29	Phylogeny and evolution of <i>Baptistonia</i> (Orchidaceae, Oncidiinae) based on molecular analyses, morphology and floral oil evidences. <i>Plant Systematics and Evolution</i> , 2009, 281, 35-49.	0.9	11
30	A new coumarin glucoside, coumarins and alkaloids from <i>Ruta corsica</i> roots. <i>Fä-toterapÄ-t</i> , 2004, 75, 242-244.	2.2	9
31	Online Headspace-Solid Phase Microextraction-Gas Chromatography-Mass Spectrometry-based untargeted volatile metabolomics for studying emerging complex biopesticides: A proof of concept. <i>Analytica Chimica Acta</i> , 2020, 1134, 58-74.	5.4	9
32	Polyphenolics and iridoid glycosides from <i>Tarenna madagascariensis</i> . <i>Biochemical Systematics and Ecology</i> , 2007, 35, 314-316.	1.3	8
33	<i>Elionurus muticus</i> as an Alternative Source of Citral from Pampa biome, Brazil. <i>Journal of Oleo Science</i> , 2014, 63, 1109-1116.	1.4	8
34	Deciphering <i>Prunus</i> Responses to PPV Infection: A Way toward the Use of Metabolomics Approach for the Diagnostic of Sharka Disease. <i>Metabolites</i> , 2021, 11, 465.	2.9	8
35	Growth abilities and phenotype stability of a sulcotrione-degrading <i>Pseudomonas</i> sp. isolated from soil. <i>International Biodeterioration and Biodegradation</i> , 2014, 91, 104-110.	3.9	7
36	Electrospray ionization and heterogeneous matrix effects in liquid chromatography/mass spectrometry based metabolomics: A biomarker or a suppressed ion?. <i>Rapid Communications in Mass Spectrometry</i> , 2021, 35, e8977.	1.5	7

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37	Plant metabolomics to the benefit of crop protection and growth stimulation. <i>Advances in Botanical Research</i> , 2021, , 107-132.	1.1	7
38	Microbial communities of urban stormwater sediments: the phylogenetic structure of bacterial communities varies with porosity. <i>FEMS Microbiology Ecology</i> , 2012, 81, 324-338.	2.7	6
39	Chemical diversity of wild populations of <i>Elionurus muticus</i> (Spreng.) and the allelopathic effect of its essential oil. <i>Journal of Essential Oil Research</i> , 2017, 29, 499-506.	2.7	6
40	Photodegradation of Myriganone A, an Allelochemical from <i>Myrica gale</i> : Photoproducts and Effect of Terpenes. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 7258-7265.	5.2	5
41	<i>Velam do Campo</i> : Its Volatile Constituents, Secretary Elements, and Biological Activity. <i>Journal of Medicinal Food</i> , 2012, 15, 671-676.	1.5	4
42	Untargeted metabolomics as a tool to monitor biocontrol product residues' fate on field-treated <i>Prunus persica</i> . <i>Science of the Total Environment</i> , 2022, 807, 150717.	8.0	4
43	Evidence for photolytic and microbial degradation processes in the dissipation of leptospermone, a natural 1 ² -triketone herbicide. <i>Environmental Science and Pollution Research</i> , 2018, 25, 29848-29859.	5.3	3
44	Chemistry, activity, and impact of plant biocontrol products. <i>Environmental Science and Pollution Research</i> , 2018, 25, 29773-29774.	5.3	2