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 g-index
44 all docs	44 docs citations	44 times ranked	1854 citing authors

#	Article	IF	Citations
1	Untargeted metabolomics as a tool to monitor biocontrol product residues' fate on field-treated Prunus persica. Science of the Total Environment, 2022, 807, 150717.	8.0	4
2	Electrospray ionization and heterogeneous matrix effects in liquid chromatography/mass spectrometry based metaâ€metabolomics: A biomarker or a suppressed ion?. Rapid Communications in Mass Spectrometry, 2021, 35, e8977.	1.5	7
3	Plant metabolomics to the benefit of crop protection and growth stimulation. Advances in Botanical Research, 2021, , 107-132.	1.1	7
4	Allelopathy and allelochemicals from microalgae: An innovative source for bio-herbicidal compounds and biocontrol research. Algal Research, 2021, 54, 102213.	4.6	29
5	Essential Oils from Two Apiaceae Species as Potential Agents in Organic Crops Protection. Antibiotics, 2021, 10, 636.	3.7	13
6	Deciphering Prunus Responses to PPV Infection: A Way toward the Use of Metabolomics Approach for the Diagnostic of Sharka Disease. Metabolites, 2021, 11, 465.	2.9	8
7	Molluscicidal and parasiticidal activities of Eryngium triquetrum essential oil on Schistosoma mansoni and its intermediate snail host Biomphalaria glabrata, a double impact. Parasites and Vectors, 2020, 13, 486.	2.5	14
8	Online Headspace-Solid Phase Microextraction-Gas Chromatography-Mass Spectrometry-based untargeted volatile metabolomics for studying emerging complex biopesticides: A proof of concept. Analytica Chimica Acta, 2020, 1134, 58-74.	5.4	9
9	Photodegradation of Myrigalone A, an Allelochemical from Myrica gale: Photoproducts and Effect of Terpenes. Journal of Agricultural and Food Chemistry, 2019, 67, 7258-7265.	5.2	5
10	Assessment of the ecotoxicological impact of natural and synthetic Î²-triketone herbicides on the diversity and activity of the soil bacterial community using omic approaches. Science of the Total Environment, 2019, 651, 241-249.	8.0	28
11	Chemical composition and antifungal activity of plant extracts traditionally used in organic and biodynamic farming. Environmental Science and Pollution Research, 2018, 25, 29971-29982.	5.3	20
12	Environmental Metabolic Footprinting (EMF) vs. half-life: a new and integrative proxy for the discrimination between control and pesticidesÂexposed sediments in order to further characterise pesticidesâ€™ environmental impact. Environmental Science and Pollution Research, 2018, 25, 29841-29847.	5.3	14
13	Evidence for photolytic and microbial degradation processes in the dissipation of leptospermone, a natural Î²-triketone herbicide. Environmental Science and Pollution Research, 2018, 25, 29848-29859.	5.3	3
14	Essential oils from Algerian species of Mentha as new bio-control agents against phytopathogen strains. Environmental Science and Pollution Research, 2018, 25, 29889-29900.	5.3	24
15	Chemistry, activity, and impact of plant biocontrol products. Environmental Science and Pollution Research, 2018, 25, 29773-29774.	5.3	2
16	Chemical diversity of wild populations ofElionurus muticus(Spreng.) and the allelopathic effect of its essential oil. Journal of Essential Oil Research, 2017, 29, 499-506.	2.7	6
17	Ecotoxicological Impact of the Bioherbicide Leptospermone on the Microbial Community of Two Arable Soils. Frontiers in Microbiology, 2016, 7, 775.	3.5	31
18	Environmental Metabolic Footprinting: A novel application to study the impact of a natural and a synthetic Î²-triketone herbicide in soil. Science of the Total Environment, 2016, 566-567, 552-558.	8.0	19

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19	Differential responses of Oryza sativa secondary metabolism to biotic interactions with cooperative, commensal and phytopathogenic bacteria. Planta, 2015, 242, 1439-1452.	3.2	16
20	Antibacterial activity of carob (Ceratonia siliqua L.) extracts against phytopathogenic bacteria Pectobacterium atrosepticum. Microbial Pathogenesis, 2015, 78, 95-102.	2.9	44
21	Elionurus muticus as an Alternative Source of Citral from Pampa biome, Brazil. Journal of Oleo Science, 2014, 63, 1109-1116.	1.4	8
22	Growth abilities and phenotype stability of a sulcotrione-degrading Pseudomonas sp. isolated from soil. International Biodeterioration and Biodegradation, 2014, 91, 104-110.	3.9	7
23	Novel bacterial bioassay for a high-throughput screening of 4-hydroxyphenylpyruvate dioxygenase inhibitors. Applied Microbiology and Biotechnology, 2014, 98, 7243-7252.	3.6	27
24	Biodegradable herbicide delivery systems with slow diffusion in soil and UV protection properties. Pest Management Science, 2014, 70, 1697-1705.	3.4	15
25	Plant secondary metabolite profiling evidences strain-dependent effect in the Azospirillumâ€“Oryza sativa association. Phytochemistry, 2013, 87, 65-77.	2.9	154
26	InvasiveFallopiaÃ—bohemicainterspecific hybrids display different patterns in secondary metabolites. Ecoscience, 2013, 20, 230-239.	1.4	14
27	Velamo do Campo: Its Volatile Constituents, Secretory Elements, and Biological Activity. Journal of Medicinal Food, 2012, 15, 671-676.	1.5	4
28	Microbial communities of urban stormwater sediments: the phylogenetic structure of bacterial communities varies with porosity. FEMS Microbiology Ecology, 2012, 81, 324-338.	2.7	6
29	The bacterial thiopurine methyltransferase tellurite resistance process is highly dependent upon aggregation properties and oxidative stress response. Environmental Microbiology, 2012, 14, 2645-2660.	3.8	21
30	Host plant secondary metabolite profiling shows a complex, strainâ€dependent response of maize to plant growthâ€promoting rhizobacteria of the genus Azospirillum. New Phytologist, 2011, 189, 494-506.	7.3	147
31	Oregano: Chemical Analysis and Evaluation of Its Antimalarial, Antioxidant, and Cytotoxic Activities. Journal of Food Science, 2011, 76, C512-8.	3.1	122
32	An Allelochemical from Myrica gale with Strong Phytotoxic Activity against Highly Invasive Fallopia x bohemica Taxa. Molecules, 2011, 16, 2323-2333.	3.8	20
33	Strain specificity in the Myricaceae - Frankia symbiosis is correlated to plant root phenolics. Functional Plant Biology, 2011, 38, 682.	2.1	21
34	High vs. low yielding oleoresin Pinus halepensis Mill. trees GC terpenoids profiling as diagnostic tool. Annals of Forest Science, 2010, 67, 412-412.	2.0	28
35	Differential Effects of Rare Specific Flavonoids on Compatible and Incompatible Strains in the Myrica gale - Frankia Actinorhizal Symbiosis. Applied and Environmental Microbiology, 2010, 76, 2451-2460.	3.1	62
36	Phylogeny and evolution of Baptistonia (Orchidaceae, Oncidiinae) based on molecular analyses, morphology and floral oil evidences. Plant Systematics and Evolution, 2009, 281, 35-49.	0.9	11

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37	Jasmonate controls late development stages of petal growth in Arabidopsis thaliana. Plant Journal, 2009, 60, 1070-1080.	5.7	90
38	Chemical composition of essential oil and headspace-solid microextracts from fruits ofMyrica galeL. and antifungal activity. Natural Product Research, 2008, 22, 1024-1032.	1.8	24
39	Polyphenolics and iridoid glycosides from Tarenna madagascariensis. Biochemical Systematics and Ecology, 2007, 35, 314-316.	1.3	8
40	Solid-phase microextraction of volatile compounds from flowers of two Brunfelsia species. Biochemical Systematics and Ecology, 2006, 34, 371-375.	1.3	20
41	A new coumarin glucoside, coumarins and alkaloids from Ruta corsica roots. FÃ¬toterapÃ¬Ã¢, 2004, 75, 242-244.	2.2	9
42	Flazasulfuron: Alcoholysis, Chemical Hydrolysis, and Degradation on Various Minerals. Journal of Agricultural and Food Chemistry, 2003, 51, 7717-7721.	5.2	11
43	Identification of the alkaloids ofGalipea officinalisby gas chromatography-mass spectrometry. Phytochemical Analysis, 2001, 12, 312-319.	2.4	52
44	Constituents of Pilocarpus trachylophus. FÃ¬toterapÃ¬Ã¢, 2001, 72, 844-847.	2.2	12