Christophe Robin

List of Publications by Year
in descending order

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56 papers	2,925 citations	185998 28 h-index	168136 53 g-index
59 all docs	59 docs citations	59 times ranked	3546 citing authors

#	Article	IF	Citations
1	Transcriptomics and Metabolomics Analyses Reveal High Induction of the Phenolamide Pathway in Tomato Plants Attacked by the Leafminer Tuta absoluta. Metabolites, 2022, 12, 484.	1.3	9
2	Phenolamides in plants: an update on their function, regulation, and origin of their biosynthetic enzymes. Journal of Experimental Botany, 2021, 72, 2334-2355.	2.4	40
3	Phenolamides: Plant specialized metabolites with a wide range of promising pharmacological and health-promoting interests. Biomedicine and Pharmacotherapy, 2020, 131, 110762.	2.5	34
4	Datura innoxia plants hydroponically-inoculated with Agrobacterium rhizogenes display an enhanced growth and alkaloid metabolism. Plant Science, 2018, 277, 166-176.	1.7	3
5	Multiscale and ageâ€dependent leaf nickel in the Niâ€hyperaccumulator Leptoplax emarginata. Ecological Research, 2018, 33, 723-736.	0.7	6
6	Nitrogen nutrition of tomato plant alters leafminer dietary intake dynamics. Journal of Insect Physiology, 2017, 99, 130-138.	0.9	21
7	Five years investigation of female and male genotypes in pÃ©rigord black truffle (Tuber) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T Microbiology, 2017, 19, 2604-2615.	1.8	33
8	Modeling the diversion of primary carbon flux into secondary metabolism under variable nitrate and light/dark conditions. Journal of Theoretical Biology, 2016, 402, 144-157.	0.8	18
9	Nitrogen fixation and growth of Lens culinaris as affected by nickel availability: A pre-requisite for optimization of agromining. Environmental and Experimental Botany, 2016, 131, 1-9.	2.0	40
10	Interrelated responses of tomato plants and the leaf miner Tuta absoluta to nitrogen supply. Plant Biology, 2016, 18, 495-504.	1.8	47
11	Certainties and uncertainties about the life cycle of the PÃ©rigord black truffle (Tuber melanosporum) Tj ETQq1 1 0.784314 rgBT /Ov	0.8	61
12	Temporal changes of bacterial communities in the Tuber melanosporum ectomycorrhizosphere during ascocarp development. Mycorrhiza, 2016, 26, 389-399.	1.3	75
13	Tomato response traits to pathogenic Pseudomonas species: Does nitrogen limitation matter?. Plant Science, 2016, 244, 57-67.	1.7	8
14	Study of nitrogen and carbon transfer from soil organic matter to Tuber melanosporum mycorrhizas and ascocarps using 15N and 13C soil labelling and whole-genome oligoarrays. Plant and Soil, 2015, 395, 351-373.	1.8	26
15	Desorption kinetics of PAHs from aged industrial soils for availability assessment. Science of the Total Environment, 2014, 470-471, 639-645.	3.9	99
16	Black truffleâ€associated bacterial communities during the development and maturation of <scp>T</scp>uber melanosporum ascocarps and putative functional roles. Environmental Microbiology, 2014, 16, 2831-2847.	1.8	133
17	Is the C:N ratio a reliable indicator of C allocation to primary and defence-related metabolisms in tomato?. Phytochemistry, 2013, 88, 25-33.	1.4	94
18	Fineâ€scale spatial genetic structure of the black truffle (Tuber melanosporum) investigated with neutral microsatellites and functional mating type genes. New Phytologist, 2013, 199, 176-187.	3.5	83

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19	Protozoa stimulate N uptake and growth of arbuscular mycorrhizal plants. Soil Biology and Biochemistry, 2013, 65, 204-210.	4.2	57
20	Litter quality as driving factor for plant nutrition via grazing of protozoa on soil microorganisms. FEMS Microbiology Ecology, 2013, 85, 241-250.	1.3	28
21	Protozoa enhance foraging efficiency of arbuscular mycorrhizal fungi for mineral nitrogen from organic matter in soil to the benefit of host plants. New Phytologist, 2013, 199, 203-211.	3.5	100
22	Carbon Transfer from the Host to Tuber melanosporum Mycorrhizas and Ascocarps Followed Using a 13C Pulse-Labeling Technique. PLoS ONE, 2013, 8, e64626.	1.1	82
23	Ecophysiology of nickel phytoaccumulation: a simplified biophysical approach. Journal of Experimental Botany, 2012, 63, 5815-5827.	2.4	12
24	Influence of repeated short-term nitrogen limitations on leaf phenolics metabolism in tomato. Phytochemistry, 2012, 77, 119-128.	1.4	64
25	Organâ€specific responses of tomato growth and phenolic metabolism to nitrate limitation. Plant Biology, 2012, 14, 760-769.	1.8	39
26	Impact of active transport and transpiration on nickel and cadmium accumulation in the leaves of the Ni-hyperaccumulator Leptoplax emarginata: a biophysical approach. Plant and Soil, 2012, 350, 99-115.	1.8	17
27	Divergent composition but similar function of soil food webs of individual plants: plant species and community effects. Ecology, 2010, 91, 3027-3036.	1.5	204
28	The â€˜trade-offâ€™ between synthesis of primary and secondary compounds in young tomato leaves is altered by nitrate nutrition: experimental evidence and model consistency. Journal of Experimental Botany, 2009, 60, 4301-4314.	2.4	78
29	Net N immobilisation during the biodegradation of mucilage in soil as affected by repeated mineral and organic fertilisation. Nutrient Cycling in Agroecosystems, 2008, 80, 39-47.	1.1	15
30	Nitrogen rhizodeposition assessed by a 15NH3 shoot pulse-labelling of Lolium perenne L. grown on soil exposed to 9 years of CO2 enrichment. Environmental and Experimental Botany, 2008, 63, 410-415.	2.0	8
31	Long-term organic farming fosters below and aboveground biota: Implications for soil quality, biological control and productivity. Soil Biology and Biochemistry, 2008, 40, 2297-2308.	4.2	457
32	Water-soluble carbon in roots of rape and barley: impacts on labile soil organic carbon, arylsulphatase activity and sulphur mineralization. Plant and Soil, 2007, 294, 19-29.	1.8	10
33	Dynamic of the genetic structure of bacterial and fungal communities at different developmental stages of Medicago truncatula Gaertn. cv. Jemalong line J5. New Phytologist, 2006, 170, 165-175.	3.5	213
34	Effects of elevated CO2 concentration on rhizodeposition from Lolium perenne grown on soil exposed to 9 years of CO2 enrichment. Soil Biology and Biochemistry, 2006, 38, 729-736.	4.2	30
35	Short and long-term effects of elevated CO2 on Lolium perenne rhizodeposition and its consequences on soil organic matter turnover and plant N yield. Soil Biology and Biochemistry, 2006, 38, 1178-1187.	4.2	82
36	Defoliation-induced changes in carbon allocation and root soluble carbon concentration in field-grown Lolium perenne plants: do they affect carbon availability, microbes and animal trophic groups in soil?. Functional Ecology, 2005, 19, 886-896.	1.7	48

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37	Nitrogen fixation and growth of annual Medicagoâ€“Sinorhizobium associations at low temperature. European Journal of Agronomy, 2005, 22, 267-275.	1.9	7
38	How does nitrogen availability alter rhizodeposition in Lolium multiflorum Lam. during vegetative growth?. Plant and Soil, 2005, 269, 181-191.	1.8	52
39	Influence of maize mucilage on the diversity and activity of the denitrifying community. Environmental Microbiology, 2004, 6, 301-312.	1.8	108
40	Overwintering of Trifolium repens L. and Succeeding Growth: Results from a Common Protocol carried out at Twelve European Sites. Annals of Botany, 2001, 88, 669-682.	1.4	21
41	Overwintering and Growing Season Dynamics of Trifolium repens L. in Mixture with Lolium perenne L.: A Model Approach to Plant-environment Interactions. Annals of Botany, 2001, 88, 683-702.	1.4	25
42	Vegetative Storage Proteins in White Clover (Trifolium repens L.): Quantitative and Qualitative Features. Annals of Botany, 2001, 88, 789-795.	1.4	22
43	Phytochrome Mediated Effects on Leaves of White Clover: Consequences for Light Interception by the Plant under Competition for Light. Annals of Botany, 2001, 88, 737-743.	1.4	21
44	Growth potential of buds of two contrasting cultivars of white clover during winter and early spring. Journal of Agricultural Science, 2001, 136, 215-220.	0.6	2
45	Branching responses of a plagiotropic clonal herb to localised incidence of light simulating that reflected from vegetation. Oecologia, 2001, 127, 185-190.	0.9	19
46	Title is missing!. Plant and Soil, 2001, 228, 179-189.	1.8	21
47	Growth and nitrogen fixation of annual Medicago-Rhizobium associations during winter in Mediterranean region. European Journal of Agronomy, 2001, 15, 221-229.	1.9	8
48	Continuous monitoring of rhizosphere respiration after labelling of plant shoots with 14CO2. Plant and Soil, 1999, 212, 189-199.	1.8	46
49	14C-assimilate partitioning within white clover plantâ€“soil system: effects of photoperiod/temperature treatments and defoliation. European Journal of Agronomy, 1999, 11, 13-21.	1.9	29
50	Cold acclimation in white clover subjected to chilling and frost: Changes in water and carbohydrates status. European Journal of Agronomy, 1997, 6, 225-233.	1.9	29
51	Effect of light quality (red: far-red ratio) and defoliation treatments applied at a single phytomer on axillary bud outgrowth in Trifolium repens L.. Oecologia, 1994, 100, 236-242.	0.9	40
52	Effect of Light Quality (Red:Far-red Ratio) at the Apical Bud of the Main Stolon on Morphogenesis of Trifolium repens L.. Annals of Botany, 1994, 74, 119-123.	1.4	58
53	Effet d'un dÃ©ficit hydrique sur le trÃ¨fle blanc (Trifolium repens L) I. RÃ1e d'un apport de potassium. Agronomy for Sustainable Development, 1990, 10, 9-14.	0.8	2
54	Effect of potassium on the tolerance to PEG-induced water stress of two white clover varieties (Trifolium repens L.). Plant and Soil, 1989, 120, 153-158.	1.8	23

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55	Ã‰tude de l'influence de la ramification du stolon sur la distribution des assimilats chez le trÃ¨fle blanc (Trifolium repens L.). Agronomy for Sustainable Development, 1989, 9, 849-857.	0.8	3
56	RÃ1e de la position de la feuille dans l'assimilation et le transport du carbone chez le trÃ¨fle blanc (Trifolium repens L.). Agronomy for Sustainable Development, 1987, 7, 599-605.	0.8	12