

Kevin Garcia

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

1,981
citations

430874

18
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395702

33
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docs citations

37
times ranked

2338
citing authors

#	ARTICLE	IF	CITATIONS
1	Split down the middle: studying arbuscular mycorrhizal and ectomycorrhizal symbioses using split-root assays. <i>Journal of Experimental Botany</i> , 2022, 73, 1288-1300.	4.8	9
2	Physiological and transcriptomic response of <i>Medicago truncatula</i> to colonization by high- or low-benefit arbuscular mycorrhizal fungi. <i>Mycorrhiza</i> , 2022, 32, 281-303.	2.8	12
3	Mycorrhiza-mediated potassium transport in <i>Medicago truncatula</i> can be evaluated by using rubidium as a proxy. <i>Plant Science</i> , 2022, 322, 111364.	3.6	1
4	ACORN Review: NPK fertilizer use in loblolly pine plantations: Who are we really feeding?. <i>Forest Ecology and Management</i> , 2022, 520, 120393.	3.2	7
5	Benefits provided by four ectomycorrhizal fungi to <i>Pinus taeda</i> under different external potassium availabilities. <i>Mycorrhiza</i> , 2021, 31, 755-766.	2.8	16
6	Mycorrhizal Symbiosis for Better Adaptation of Trees to Abiotic Stress Caused by Climate Change in Temperate and Boreal Forests. <i>Frontiers in Forests and Global Change</i> , 2021, 4, .	2.3	24
7	Micronutrient transport in mycorrhizal symbiosis; zinc steals the show. <i>Fungal Biology Reviews</i> , 2020, 34, 1-9.	4.7	26
8	Lipo-chitoooligosaccharides as regulatory signals of fungal growth and development. <i>Nature Communications</i> , 2020, 11, 3897.	12.8	65
9	Editorial: Importance of Root Symbiomes for Plant Nutrition: New Insights, Perspectives and Future Challenges. <i>Frontiers in Plant Science</i> , 2020, 11, 594.	3.6	4
10	Role of cytosolic, tyrosine-insensitive prephenate dehydrogenase in <i>Medicago truncatula</i> . <i>Plant Direct</i> , 2020, 4, e00218.	1.9	7
11	Fungal Shaker-like channels beyond cellular K ⁺ homeostasis: A role in ectomycorrhizal symbiosis between <i>Hebeloma cylindrosporum</i> and <i>Pinus pinaster</i> . <i>PLoS ONE</i> , 2020, 15, e0242739.	2.5	10
12	Nutrient demand and fungal access to resources control the carbon allocation to the symbiotic partners in tripartite interactions of <i>Medicago truncatula</i> . <i>Plant, Cell and Environment</i> , 2019, 42, 270-284.	5.7	61
13	Phosphorus Transport in Mycorrhiza: How Far Are We?. <i>Trends in Plant Science</i> , 2019, 24, 794-801.	8.8	64
14	Harnessing Soil Microbes to Improve Plant Phosphate Efficiency in Cropping Systems. <i>Agronomy</i> , 2019, 9, 127.	3.0	48
15	The Ectomycorrhizal Fungus <i>Laccaria bicolor</i> Produces Lipochitoooligosaccharides and Uses the Common Symbiosis Pathway to Colonize <i>Populus</i> Roots. <i>Plant Cell</i> , 2019, 31, 2386-2410.	6.6	73
16	The ectomycorrhizal contribution to tree nutrition. <i>Advances in Botanical Research</i> , 2019, , 77-126.	1.1	44
17	Plant potassium nutrition in ectomycorrhizal symbiosis: properties and roles of the three fungal TOK potassium channels in <i>Hebeloma cylindrosporum</i> . <i>Environmental Microbiology</i> , 2018, 20, 1873-1887.	3.8	26
18	HcPT1.2 participates in Pi acquisition in <i>Hebeloma cylindrosporum</i> external hyphae of ectomycorrhizas under high and low phosphate conditions. <i>Plant Signaling and Behavior</i> , 2018, 13, e1525997.	2.4	11

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19	The Role of Plant Transporters in Mycorrhizal Symbioses. <i>Advances in Botanical Research</i> , 2018, , 303-342.	1.1	9
20	The <i>Hebeloma cylindrosporum</i> HcPT2 Pi transporter plays a key role in ectomycorrhizal symbiosis. <i>New Phytologist</i> , 2018, 220, 1185-1199.	7.3	35
21	<i>Hc</i> TOK1 participates in the maintenance of K ⁺ homeostasis in the ectomycorrhizal fungus <i>Hebeloma cylindrosporum</i> , which is essential for the symbiotic K ⁺ nutrition of <i>Pinus pinaster</i> . <i>Plant Signaling and Behavior</i> , 2018, 13, e1480845.	2.4	14
22	Physiological Responses and Gene Co-Expression Network of Mycorrhizal Roots under K ⁺ Deprivation. <i>Plant Physiology</i> , 2017, 173, 1811-1823.	4.8	69
23	Polymorphic responses of <i>Medicago truncatula</i> accessions to potassium deprivation. <i>Plant Signaling and Behavior</i> , 2017, 12, e1307494.	2.4	5
24	Comparative Analysis of Secretomes from Ectomycorrhizal Fungi with an Emphasis on Small-Secreted Proteins. <i>Frontiers in Microbiology</i> , 2016, 7, 1734.	3.5	6
25	Symbiotic Nitrogen Fixation and the Challenges to Its Extension to Nonlegumes. <i>Applied and Environmental Microbiology</i> , 2016, 82, 3698-3710.	3.1	443
26	Take a Trip Through the Plant and Fungal Transportome of Mycorrhiza. <i>Trends in Plant Science</i> , 2016, 21, 937-950.	8.8	192
27	A proteomic atlas of the legume <i>Medicago truncatula</i> and its nitrogen-fixing endosymbiont <i>Sinorhizobium meliloti</i> . <i>Nature Biotechnology</i> , 2016, 34, 1198-1205.	17.5	133
28	Molecular signals required for the establishment and maintenance of ectomycorrhizal symbioses. <i>New Phytologist</i> , 2015, 208, 79-87.	7.3	139
29	The role of mycorrhizal associations in plant potassium nutrition. <i>Frontiers in Plant Science</i> , 2014, 5, 337.	3.6	164
30	Potassium nutrition of ectomycorrhizal <i>Pinus pinaster</i> : overexpression of the <i>Hebeloma cylindrosporum</i> HcPT2 transporter affects the translocation of both K ⁺ and phosphorus in the host plant. <i>New Phytologist</i> , 2014, 201, 951-960.	7.3	56
31	Promoter-dependent expression of the fungal transporter HcPT1.1 under Pi shortage and its spatial localization in ectomycorrhiza. <i>Fungal Genetics and Biology</i> , 2013, 58-59, 53-61.	2.1	28
32	Biotrophic transportome in mutualistic plant-fungal interactions. <i>Mycorrhiza</i> , 2013, 23, 597-625.	2.8	157
33	Beneficial Plant Microbe Interactions and Their Effect on Nutrient Uptake, Yield, and Stress Resistance of Soybeans. , 0, , .		7