# Kevin Garcia

## List of Publications by Year in Descending Order



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|---|---|---|---|
| 28 papers | 1,147 citations | 16 h-index | 33 g-index |
| 37 ext. papers | 1,639 ext. citations | 7.2 avg, IF | 4.48 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 28 | Benefits provided by four ectomycorrhizal fungi to Pinus taeda under different external potassium availabilities. *Mycorrhiza*, **2021**, 31, 755-766 | 3.9 | 1 |
| 27 | Role of cytosolic, tyrosine-insensitive prephenate dehydrogenase in. *Plant Direct*, **2020**, 4, e00218 | 3.3 | 5 |
| 26 | Fungal Shaker-like channels beyond cellular K+ homeostasis: A role in ectomycorrhizal symbiosis between Hebeloma cylindrosporum and Pinus pinaster. *PLoS ONE*, **2020**, 15, e0242739 | 3.7 | 2 |
| 25 | Lipo-chitooligosaccharides as regulatory signals of fungal growth and development. *Nature Communications*, **2020**, 11, 3897 | 17.4 | 19 |
| 24 | Micronutrient transport in mycorrhizal symbiosis; zinc steals the show. *Fungal Biology Reviews*, **2020**, 34, 1-9 | 6.8 | 7 |
| 23 | Beneficial Plant Microbe Interactions and Their Effect on Nutrient Uptake, Yield, and Stress Resistance of Soybeans **2019**, | | 3 |
| 22 | Harnessing Soil Microbes to Improve Plant Phosphate Efficiency in Cropping Systems. *Agronomy*, **2019**, 9, 127 | 3.6 | 24 |
| 21 | Nutrient demand and fungal access to resources control the carbon allocation to the symbiotic partners in tripartite interactions of Medicago truncatula. *Plant, Cell and Environment*, **2019**, 42, 270-284 | 8.4 | 35 |
| 20 | Phosphorus Transport in Mycorrhiza: How Far Are We?. *Trends in Plant Science*, **2019**, 24, 794-801 | 13.1 | 24 |
| 19 | The Ectomycorrhizal Fungus Produces Lipochitooligosaccharides and Uses the Common Symbiosis Pathway to Colonize Roots. *Plant Cell*, **2019**, 31, 2386-2410 | 11.6 | 33 |
| 18 | The ectomycorrhizal contribution to tree nutrition. *Advances in Botanical Research*, **2019**, 77-126 | 2.2 | 16 |
| 17 | Plant potassium nutrition in ectomycorrhizal symbiosis: properties and roles of the three fungal TOK potassium channels in Hebeloma cylindrosporum. *Environmental Microbiology*, **2018**, 20, 1873-1887 | 5.2 | 16 |
| 16 | HcPT1.2 participates in Pi acquisition in Hebeloma cylindrosporum external hyphae of ectomycorrhizas under high and low phosphate conditions. *Plant Signaling and Behavior*, **2018**, 13, e1525997 | 2.5 | 9 |
| 15 | The Role of Plant Transporters in Mycorrhizal Symbioses. *Advances in Botanical Research*, **2018**, 303-342 | 2.2 | 6 |
| 14 | The Hebeloma cylindrosporum HcPT2 Pi transporter plays a key role in ectomycorrhizal symbiosis. *New Phytologist*, **2018**, 220, 1185-1199 | 9.8 | 20 |
| 13 | HcTOK1 participates in the maintenance of K homeostasis in the ectomycorrhizal fungus Hebeloma cylindrosporum, which is essential for the symbiotic K nutrition of Pinus pinaster. *Plant Signaling and Behavior*, **2018**, 13, e1480845 | 2.5 | 9 |
| 12 | Physiological Responses and Gene Co-Expression Network of Mycorrhizal Roots under K Deprivation. *Plant Physiology*, **2017**, 173, 1811-1823 | 6.6 | 39 |

# List of Publications

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|---|---|---|---|
| 11 | Polymorphic responses of Medicago truncatula accessions to potassium deprivation. *Plant Signaling and Behavior*, **2017**, 12, e1307494 | 2.5 | 3 |
| 10 | A proteomic atlas of the legume Medicago truncatula and its nitrogen-fixing endosymbiont Sinorhizobium meliloti. *Nature Biotechnology*, **2016**, 34, 1198-1205 | 44.5 | 68 |
| 9 | The transportome of mycorrhizal systems **2016**, 239-256 | | 5 |
| 8 | Comparative Analysis of Secretomes from Ectomycorrhizal Fungi with an Emphasis on Small-Secreted Proteins. *Frontiers in Microbiology*, **2016**, 7, 1734 | 5.7 | 5 |
| 7 | Symbiotic Nitrogen Fixation and the Challenges to Its Extension to Nonlegumes. *Applied and Environmental Microbiology*, **2016**, 82, 3698-3710 | 4.8 | 307 |
| 6 | Take a Trip Through the Plant and Fungal Transportome of Mycorrhiza. *Trends in Plant Science*, **2016**, 21, 937-950 | 13.1 | 115 |
| 5 | Molecular signals required for the establishment and maintenance of ectomycorrhizal symbioses. *New Phytologist*, **2015**, 208, 79-87 | 9.8 | 87 |
| 4 | Potassium nutrition of ectomycorrhizal Pinus pinaster: overexpression of the Hebeloma cylindrosporum HcTrk1 transporter affects the translocation of both K(+) and phosphorus in the host plant. *New Phytologist*, **2014**, 201, 951-960 | 9.8 | 43 |
| 3 | The role of mycorrhizal associations in plant potassium nutrition. *Frontiers in Plant Science*, **2014**, 5, 337 | 6.2 | 106 |
| 2 | Promoter-dependent expression of the fungal transporter HcPT1.1 under Pi shortage and its spatial localization in ectomycorrhiza. *Fungal Genetics and Biology*, **2013**, 58-59, 53-61 | 3.9 | 20 |
| 1 | Biotrophic transportome in mutualistic plant-fungal interactions. *Mycorrhiza*, **2013**, 23, 597-625 | 3.9 | 113 |