

Pablo Cornejo

List of Publications by Year in descending order

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106
papers

4,033
citations

117453

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138251

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all docs

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docs citations

109
times ranked

3671
citing authors

#	ARTICLE	IF	CITATIONS
1	The effect of arbuscular mycorrhizal fungi on the phenolic compounds profile, antioxidant activity and grain yields in wheat cultivars growing under hydric stress. <i>Journal of the Science of Food and Agriculture</i> , 2022, 102, 407-416.	1.7	8
2	Shifts in biochemical and physiological responses by the inoculation of arbuscular mycorrhizal fungi in <i>Triticum aestivum</i> growing under drought conditions. <i>Journal of the Science of Food and Agriculture</i> , 2022, 102, 1927-1938.	1.7	9
3	Metabolic and antioxidant effects of inoculation with arbuscular mycorrhizal fungi in crops of coloured <i>Solanum tuberosum</i> treated with fungicides. <i>Journal of the Science of Food and Agriculture</i> , 2022, 102, 2270-2280.	1.7	8
4	Effect of Inoculation with Arbuscular Mycorrhizal Fungi and Fungicide Application on the Secondary Metabolism of <i>Solanum tuberosum</i> Leaves. <i>Plants</i> , 2022, 11, 278.	1.6	14
5	Salinity Eustress Increases the Biosynthesis and Accumulation of Phenolic Compounds That Improve the Functional and Antioxidant Quality of Red Lettuce. <i>Agronomy</i> , 2022, 12, 598.	1.3	20
6	Amelioration of aluminum phytotoxicity in <i>Solanum lycopersicum</i> by co-inoculation of plant growth promoting <i>Kosakonia radicincitans</i> strain CABV2 and <i>Streptomyces corchorusii</i> strain CASL5. <i>Science of the Total Environment</i> , 2022, 832, 154935.	3.9	20
7	Biodegradation of 4-nitroaniline by novel isolate <i>Bacillus</i> sp. strain AVPP64 in the presence of pesticides. <i>Environmental Pollution</i> , 2022, 306, 119453.	3.7	13
8	Plant growth-promoting actinobacterial inoculant assisted phytoremediation increases cadmium uptake in <i>Sorghum bicolor</i> under drought and heat stresses. <i>Environmental Pollution</i> , 2022, 307, 119489.	3.7	17
9	Root traits distinguish phosphorus acquisition of two wheat cultivars growing in phosphorus-deficient acid soil. <i>Rhizosphere</i> , 2022, 22, 100549.	1.4	4
10	Wheat root trait plasticity, nutrient acquisition and growth responses are dependent on specific arbuscular mycorrhizal fungus and plant genotype interactions. <i>Journal of Plant Physiology</i> , 2021, 256, 153297.	1.6	19
11	Aquaporins and cation transporters are differentially regulated by two arbuscular mycorrhizal fungi strains in lettuce cultivars growing under salinity conditions. <i>Plant Physiology and Biochemistry</i> , 2021, 158, 396-409.	2.8	35
12	Removal of nutrients from domestic wastewater by microalgae coupled to lipid augmentation for biodiesel production and influence of deoiled algal biomass as biofertilizer for <i>Solanum lycopersicum</i> cultivation. <i>Chemosphere</i> , 2021, 268, 129323.	4.2	77
13	Stability of phenolic compounds, antioxidant activity and colour parameters of a coloured extract obtained from coloured-flesh potatoes. <i>LWT - Food Science and Technology</i> , 2021, 136, 110370.	2.5	20
14	Interactive effect of compost application and inoculation with the fungus <i>Claroideoglossum claroideum</i> in <i>Oenothera picensis</i> plants growing in mine tailings. <i>Ecotoxicology and Environmental Safety</i> , 2021, 208, 111495.	2.9	25
15	Noticeable Quantities of Functional Compounds and Antioxidant Activities Remain after Cooking of Colored Fleshed Potatoes Native from Southern Chile. <i>Molecules</i> , 2021, 26, 314.	1.7	10
16	Main Molecular Pathways Associated with Copper Tolerance Response in <i>Imperata cylindrica</i> by de novo Transcriptome Assembly. <i>Plants</i> , 2021, 10, 357.	1.6	8
17	Phenological Stages and Aluminum Presence Influences Arbuscular Mycorrhizal Fungi Communities in Roots of Plant Cereals. <i>Journal of Soil Science and Plant Nutrition</i> , 2021, 21, 1467-1473.	1.7	2
18	Utilization of Inorganic Nanoparticles and Biochar as Additives of Agricultural Waste Composting: Effects of End-Products on Plant Growth, C and Nutrient Stock in Soils from a Mediterranean Region. <i>Agronomy</i> , 2021, 11, 767.	1.3	6

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19	Polyhydroxybutyrate production from ultrasound-aided alkaline pretreated finger millet straw using <i>Bacillus megaterium</i> strain CAM12. <i>Bioresource Technology</i> , 2021, 325, 124632.	4.8	27
20	Stability of antioxidant compounds and activities of a natural dye from coloured-flesh potatoes in dairy foods. <i>LWT - Food Science and Technology</i> , 2021, 144, 111252.	2.5	8
21	Arbuscular mycorrhizal fungal abundance in elevation belts of the hyperarid Atacama Desert. <i>Fungal Ecology</i> , 2021, 51, 101060.	0.7	3
22	Plant Growth-Promoting Microorganisms in Coffee Production: From Isolation to Field Application. <i>Agronomy</i> , 2021, 11, 1531.	1.3	8
23	Enzyme activities and microbial functional diversity in metal(loid) contaminated soils near to a copper smelter. <i>Science of the Total Environment</i> , 2021, 779, 146423.	3.9	30
24	Rhizosphere Management for Phytoremediation of Copper Mine Tailings. <i>Journal of Soil Science and Plant Nutrition</i> , 2021, 21, 3091-3109.	1.7	8
25	Cultivation of <i>Nostoc</i> sp. LS04 in municipal wastewater for biodiesel production and their deoiled biomass cellular extracts as biostimulants for <i>Lactuca sativa</i> growth improvement. <i>Chemosphere</i> , 2021, 280, 130644.	4.2	15
26	Showing their mettle: extraradical mycelia of arbuscular mycorrhizae form a metal filter to improve host Al tolerance and P nutrition. <i>Journal of the Science of Food and Agriculture</i> , 2020, 100, 803-810.	1.7	6
27	Accumulation of Sulphur in <i>Atriplex nummularia</i> Cultivated in Mine Tailings and Effect of Organic Amendments Addition. <i>Water, Air, and Soil Pollution</i> , 2020, 231, 1.	1.1	8
28	Influence of Organic and Chemical Fertilisation on Antioxidant Compounds Profiles and Activities in Fruits of <i>Fragaria ananassa</i> var. <i>Camarosa</i> . <i>Journal of Soil Science and Plant Nutrition</i> , 2020, 20, 715-724.	1.7	12
29	Shifts in soil traits and arbuscular mycorrhizal symbiosis represent the conservation status of <i>Araucaria araucana</i> forests and the effects after fire events. <i>Forest Ecology and Management</i> , 2020, 458, 117806.	1.4	6
30	Influence of saprophytic fungi and inorganic additives on enzyme activities and chemical properties of the biodegradation process of wheat straw for the production of organo-mineral amendments. <i>Journal of Environmental Management</i> , 2020, 255, 109922.	3.8	18
31	Efficiency of two arbuscular mycorrhizal fungal inocula to improve saline stress tolerance in lettuce plants by changes of antioxidant defense mechanisms. <i>Journal of the Science of Food and Agriculture</i> , 2020, 100, 1577-1587.	1.7	55
32	<i>Pseudomonas citronellolis</i> strain SLP6 enhances the phytoremediation efficiency of <i>Helianthus annuus</i> in copper contaminated soils under salinity stress. <i>Plant and Soil</i> , 2020, 457, 241-253.	1.8	27
33	Synergy effect of peroxidase enzymes and Fenton reactions greatly increase the anaerobic oxidation of soil organic matter. <i>Scientific Reports</i> , 2020, 10, 11289.	1.6	25
34	Influence of Profiles and Concentrations of Phenolic Compounds in the Coloration and Antioxidant Properties of <i>Gaultheria poeppigii</i> Fruits from Southern Chile. <i>Plant Foods for Human Nutrition</i> , 2020, 75, 532-539.	1.4	11
35	Antioxidant Responses of Phenolic Compounds and Immobilization of Copper in <i>Imperata cylindrica</i> , a Plant with Potential Use for Bioremediation of Cu Contaminated Environments. <i>Plants</i> , 2020, 9, 1397.	1.6	27
36	Meta-analysis of heavy metal effects on soil enzyme activities. <i>Science of the Total Environment</i> , 2020, 737, 139744.	3.9	152

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37	Soil quality indices for metal(loid) contamination: An enzymatic perspective. <i>Land Degradation and Development</i> , 2020, 31, 2700-2719.	1.8	44
38	Influence of plant beneficial <i>Stenotrophomonas rhizophila</i> strain CASB3 on the degradation of diuron-contaminated saline soil and improvement of <i>Lactuca sativa</i> growth. <i>Environmental Science and Pollution Research</i> , 2020, 27, 35195-35207.	2.7	12
39	Soil Biological Properties and Arbuscular Mycorrhizal Fungal Communities of Representative Crops Established in the Andean Region from Ecuadorian Highlands. <i>Journal of Soil Science and Plant Nutrition</i> , 2020, 20, 2156-2163.	1.7	6
40	Influence of inorganic additives on wheat straw composting: Characterization and structural composition of organic matter derived from the process. <i>Journal of Environmental Management</i> , 2020, 260, 110137.	3.8	14
41	Alteration of enzyme activities and functional diversity of a soil contaminated with copper and arsenic. <i>Ecotoxicology and Environmental Safety</i> , 2020, 192, 110264.	2.9	32
42	CHLSOC: the Chilean Soil Organic Carbon database, a multi-institutional collaborative effort. <i>Earth System Science Data</i> , 2020, 12, 457-468.	3.7	16
43	Visualization of Arbuscular Mycorrhizal Fungal Extraradical Hyphae and Spores Vitality and Activity. <i>Methods in Molecular Biology</i> , 2020, 2146, 61-71.	0.4	2
44	Changes in the content of anthocyanins, flavonols, and antioxidant activity in <i>Fragaria ananassa</i> var. Camarosa fruits under traditional and organic fertilization. <i>Journal of the Science of Food and Agriculture</i> , 2019, 99, 2404-2410.	1.7	19
45	Effect of fertilization and arbuscular mycorrhizal fungal inoculation on antioxidant profiles and activities in <i>Fragaria ananassa</i> fruit. <i>Journal of the Science of Food and Agriculture</i> , 2019, 99, 1397-1404.	1.7	46
46	Role of plant growth-promoting rhizobacterial consortium in improving the <i>Vigna radiata</i> growth and alleviation of aluminum and drought stresses. <i>Environmental Science and Pollution Research</i> , 2019, 26, 27647-27659.	2.7	61
47	Phosphate acquisition efficiency in wheat is related to root:shoot ratio, strigolactone levels, and PHO2 regulation. <i>Journal of Experimental Botany</i> , 2019, 70, 5631-5642.	2.4	40
48	Photosynthetic metabolism during phosphate limitation in a legume from the Mediterranean-type Fynbos ecosystem. <i>Journal of Plant Physiology</i> , 2019, 243, 153051.	1.6	4
49	Role of <i>Curtobacterium herbarum</i> strain CAH5 on aluminum bioaccumulation and enhancement of <i>Lactuca sativa</i> growth under aluminum and drought stresses. <i>Ecotoxicology and Environmental Safety</i> , 2019, 183, 109573.	2.9	41
50	How Does the Use of Non-Host Plants Affect Arbuscular Mycorrhizal Communities and Levels and Nature of Glomalin in Crop Rotation Systems Established in Acid Andisols?. <i>Fungal Biology</i> , 2019, , 147-158.	0.3	3
51	Simultaneous mitigation of aluminum, salinity and drought stress in <i>Lactuca sativa</i> growth via formulated plant growth promoting <i>Rhodotorula mucilaginosa</i> CAM4. <i>Ecotoxicology and Environmental Safety</i> , 2019, 180, 63-72.	2.9	44
52	Revisiting the Nature of Phosphorus Pools in Chilean Volcanic Soils as a Basis for Arbuscular Mycorrhizal Management in Plant P Acquisition. <i>Journal of Soil Science and Plant Nutrition</i> , 2019, 19, 390-401.	1.7	24
53	Arbuscular Mycorrhizal Colonization Promotes the Tolerance to Salt Stress in Lettuce Plants through an Efficient Modification of Ionic Balance. <i>Journal of Soil Science and Plant Nutrition</i> , 2019, 19, 321-331.	1.7	68
54	Evaluation of the production of exopolysaccharide by plant growth promoting yeast <i>Rhodotorula</i> sp. strain CAH2 under abiotic stress conditions. <i>International Journal of Biological Macromolecules</i> , 2019, 121, 55-62.	3.6	50

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55	New evidences on the contribution of arbuscular mycorrhizal fungi inducing Al tolerance in wheat. <i>Rhizosphere</i> , 2018, 5, 43-50.	1.4	15
56	Endophytic selenobacteria and arbuscular mycorrhizal fungus for Selenium biofortification and <i>Gaeumannomyces graminis</i> biocontrol. <i>Journal of Soil Science and Plant Nutrition</i> , 2018, , 0-0.	1.7	10
57	<i>Nothofagus pumilio</i> forest affected by recent tephra deposition in northern Patagonia. II- Shifts in diversity and structure of rhizosphere fungal communities. <i>Journal of Soil Science and Plant Nutrition</i> , 2018, , 0-0.	1.7	1
58	Effect of the frying process on the composition of hydroxycinnamic acid derivatives and antioxidant activity in flesh colored potatoes. <i>Food Chemistry</i> , 2018, 268, 577-584.	4.2	25
59	Phosphorus Acquisition Efficiency Related to Root Traits: Is Mycorrhizal Symbiosis a Key Factor to Wheat and Barley Cropping?. <i>Frontiers in Plant Science</i> , 2018, 9, 752.	1.7	89
60	<i>Rhizophagus Clarus</i> and Phosphorus in <i>Crotalaria juncea</i> : Growth, Glomalin Content and Acid Phosphatase Activity in a Copper-Contaminated Soil. <i>Revista Brasileira De Ciencia Do Solo</i> , 2018, 42, .	0.5	8
61	Effects of biochar on copper immobilization and soil microbial communities in a metal-contaminated soil. <i>Journal of Soils and Sediments</i> , 2017, 17, 1237-1250.	1.5	69
62	Chicken-manure-derived biochar reduced bioavailability of copper in a contaminated soil. <i>Journal of Soils and Sediments</i> , 2017, 17, 741-750.	1.5	92
63	Microscopic and spectroscopic characterization of humic substances from a compost amended copper contaminated soil: main features and their potential effects on Cu immobilization. <i>Environmental Science and Pollution Research</i> , 2017, 24, 14104-14116.	2.7	38
64	Phosphorus acquisition by three wheat cultivars contrasting in aluminium tolerance growing in an aluminium-rich volcanic soil. <i>Crop and Pasture Science</i> , 2017, 68, 305.	0.7	27
65	Selection of aluminum tolerant cereal genotypes strongly influences the arbuscular mycorrhizal fungal communities in an acidic Andosol. <i>Agriculture, Ecosystems and Environment</i> , 2017, 246, 86-93.	2.5	35
66	Mineral phosphorus fertilization modulates interactions between maize, rhizosphere yeasts and arbuscular mycorrhizal fungi. <i>Rhizosphere</i> , 2017, 4, 89-93.	1.4	26
67	Arbuscular mycorrhiza effects on plant performance under osmotic stress. <i>Mycorrhiza</i> , 2017, 27, 639-657.	1.3	113
68	Arbuscular Mycorrhizal Fungi Improve Tolerance of Agricultural Plants to Cope Abiotic Stress Conditions. , 2017, , 55-80.		7
69	Inoculation with selenobacteria and arbuscular mycorrhizal fungi to enhance selenium content in lettuce plants and improve tolerance against drought stress. <i>Journal of Soil Science and Plant Nutrition</i> , 2016, , 0-0.	1.7	25
70	Arbuscular mycorrhizal assemblages along contrasting Andean forests of Southern Chile. <i>Journal of Soil Science and Plant Nutrition</i> , 2016, , 0-0.	1.7	3
71	Arbuscular Mycorrhizal symbiosis in four Al-tolerant wheat genotypes grown in an acidic Andisol. <i>Journal of Soil Science and Plant Nutrition</i> , 2016, , 0-0.	1.7	6
72	Contribution of inoculation with arbuscular mycorrhizal fungi to the bioremediation of a copper polluted soil using <i>Oenothera picensis</i> . <i>Journal of Soil Science and Plant Nutrition</i> , 2016, , 0-0.	1.7	10

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73	Aluminum tolerance of wheat cultivars and relation to arbuscular mycorrhizal colonization in a non-limed and limed Andisol. <i>Applied Soil Ecology</i> , 2016, 108, 228-237.	2.1	26
74	Interactive effect between Cu-adapted arbuscular mycorrhizal fungi and biotreated agrowaste residue to improve the nutritional status of <i>Oenothera picensis</i> growing in Cu-polluted soils. <i>Journal of Plant Nutrition and Soil Science</i> , 2015, 178, 126-135.	1.1	52
75	Arbuscular mycorrhizal status of pioneer plants from the mouth of lake Budi, Araucan Region, Chile. <i>Journal of Soil Science and Plant Nutrition</i> , 2015, , 0-0.	1.7	3
76	Role of arbuscular mycorrhizal symbiosis in phosphorus-uptake efficiency and aluminium tolerance in barley growing in acid soils. <i>Crop and Pasture Science</i> , 2015, 66, 696.	0.7	32
77	<i>Rhizophagus clarus</i> and phosphate alter the physiological responses of <i>Crotalaria juncea</i> cultivated in soil with a high Cu level. <i>Applied Soil Ecology</i> , 2015, 91, 37-47.	2.1	42
78	Crop residue stabilization and application to agricultural and degraded soils: A review. <i>Waste Management</i> , 2015, 42, 41-54.	3.7	98
79	Diversity of Arbuscular Mycorrhizal Fungi in Acidic Soils and Their Contribution to Aluminum Phytotoxicity Alleviation. <i>Signaling and Communication in Plants</i> , 2015, , 203-228.	0.5	13
80	<i>Corymbiglomus pacificum</i> , a new glomeromycete from a saline lakeshore in Chile. <i>Mycotaxon</i> , 2014, 127, 173-183.	0.1	12
81	Diversity of arbuscular mycorrhizal fungi associated with <i>Triticum aestivum</i> L. plants growing in an Andosol with high aluminum level. <i>Agriculture, Ecosystems and Environment</i> , 2014, 186, 178-184.	2.5	53
82	Influence of an organic amendment comprising saprophytic and mycorrhizal fungi on soil quality and growth of <i>Eucalyptus globulus</i> in the presence of sewage sludge contaminated with aluminium. <i>Archives of Agronomy and Soil Science</i> , 2014, 60, 1229-1248.	1.3	13
83	Distribution of chromium species in a Cr-polluted soil: Presence of Cr(III) in glomalin related protein fraction. <i>Science of the Total Environment</i> , 2014, 493, 828-833.	3.9	85
84	Copper compartmentalization in spores as a survival strategy of arbuscular mycorrhizal fungi in Cu-polluted environments. <i>Soil Biology and Biochemistry</i> , 2013, 57, 925-928.	4.2	110
85	Enhanced selenium content in wheat grain by co-inoculation of selenobacteria and arbuscular mycorrhizal fungi: A preliminary study as a potential Se biofortification strategy. <i>Journal of Cereal Science</i> , 2013, 57, 275-280.	1.8	102
86	The role of arbuscular mycorrhizas in decreasing aluminium phytotoxicity in acidic soils: a review. <i>Mycorrhiza</i> , 2013, 23, 167-183.	1.3	137
87	Effects of the co-inoculation with saprobe and mycorrhizal fungi on <i>Vaccinium corymbosum</i> growth and some soil enzymatic activities. <i>Journal of Soil Science and Plant Nutrition</i> , 2012, 12, 283-294.	1.7	25
88	Phytoremediation of Metal-Polluted Soils by Arbuscular Mycorrhizal Fungi. <i>Critical Reviews in Environmental Science and Technology</i> , 2012, 42, 741-775.	6.6	190
89	Temporal dynamics of arbuscular mycorrhizal fungi colonizing roots of representative shrub species in a semi-arid Mediterranean ecosystem. <i>Mycorrhiza</i> , 2012, 22, 449-460.	1.3	34
90	Influence of copper on root exudate patterns in some metallophytes and agricultural plants. <i>Ecotoxicology and Environmental Safety</i> , 2012, 75, 8-15.	2.9	112

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91	Effects of arbuscular mycorrhizal inoculation on metallophyte and agricultural plants growing at increasing copper levels. <i>Applied Soil Ecology</i> , 2012, 61, 280-287.	2.1	43
92	Effects of Soil Aluminum on Early Arbuscular Mycorrhizal Colonization of Wheat and Barley Cultivars Growing in an Andisol. <i>Chilean Journal of Agricultural Research</i> , 2012, 72, 449-455.	0.4	16
93	Alleviation of Cu toxicity in <i>Oenothera picensis</i> by copper-adapted arbuscular mycorrhizal fungi and treated agrowaste residue. <i>Applied Soil Ecology</i> , 2011, 48, 117-124.	2.1	84
94	Ecological and functional roles of mycorrhizas in semi-arid ecosystems of Southeast Spain. <i>Journal of Arid Environments</i> , 2011, 75, 1292-1301.	1.2	175
95	Fluorescence detection of aluminum in arbuscular mycorrhizal fungal structures and glomalin using confocal laser scanning microscopy. <i>Soil Biology and Biochemistry</i> , 2011, 43, 2427-2431.	4.2	71
96	Effects of different tillage system on arbuscular mycorrhizal fungal propagules and physical properties in a Mediterranean agroecosystem in central Chile. <i>Soil and Tillage Research</i> , 2011, 113, 11-18.	2.6	112
97	TILLAGE EFFECT ON SOIL ORGANIC MATTER, MYCORRHIZAL HYPHAE AND AGGREGATES IN A MEDITERRANEAN AGROECOSYSTEM. <i>Revista De La Ciencia Del Suelo Y Nutricion Vegetal</i> , 2010, 10, .	0.4	32
98	ARBUSCULAR MYCORRHIZAE IN AGRICULTURAL AND FOREST ECOSYSTEMS IN CHILE. <i>Journal of Soil Science and Plant Nutrition</i> , 2010, 10, .	1.7	29
99	Effect of Compost Application on Some Properties of a Volcanic Soil from Central South Chile. <i>Chilean Journal of Agricultural Research</i> , 2009, 69, .	0.4	38
100	Interactions between the arbuscular mycorrhizal fungus <i>Glomus intraradices</i> and the plant growth promoting rhizobacteria <i>Paenibacillus polymyxa</i> and <i>P. macerans</i> in the mycorrhizosphere of <i>Cucumis sativus</i> . <i>Soil Biology and Biochemistry</i> , 2009, 41, 286-292.	4.2	49
101	Mycorrhizal Propagule Persistence in a Succession of Cereals in a Disturbed and Undisturbed Andisol Fertilized with Two Nitrogen Sources. <i>Chilean Journal of Agricultural Research</i> , 2009, 69, .	0.4	19
102	Glomalin-related soil protein in a Mediterranean ecosystem affected by a copper smelter and its contribution to Cu and Zn sequestration. <i>Science of the Total Environment</i> , 2008, 406, 154-160.	3.9	218
103	Mycorrhizal Effectiveness on Wheat Nutrient Acquisition in an Acidic Soil from Southern Chile as Affected by Nitrogen Sources. <i>Journal of Plant Nutrition</i> , 2008, 31, 1555-1569.	0.9	19
104	Effect of Nitrogen Source on Some Rhizospheric Properties and Persistence of my Corrhizal Fungal Propagules in an Andisol. <i>Chilean Journal of Agricultural Research</i> , 2008, 68, .	0.4	7
105	Influence of nitrogen source on the viability, functionality and persistence of <i>Glomus etunicatum</i> fungal propagules in an Andisol. <i>Applied Soil Ecology</i> , 2007, 35, 423-431.	2.1	21
106	Temporal temperature gradient gel electrophoresis (TTGE) as a tool for the characterization of arbuscular mycorrhizal fungi. <i>FEMS Microbiology Letters</i> , 2004, 241, 265-270.	0.7	72