Chantal Hamel

List of Publications by Year
in descending order

165 papers	7,301 citations	41344 49 h-index	74163 75 g-index
167 all docs	167 docs citations	167 times ranked	5864 citing authors

#	Article	IF	Citations
1	Inter-Kingdom Networks of Canola Microbiome Reveal Bradyrhizobium as Keystone Species and Underline the Importance of Bulk Soil in Microbial Studies to Enhance Canola Production. Microbial Ecology, 2022, 84, 1166-1181.	2.8	6
2	Diversifying crop rotations enhances agroecosystem services and resilience. Advances in Agronomy, 2022, , 299-335.	5.2	21
3	Long-Term Persistence of Arbuscular Mycorrhizal Fungi in the Rhizosphere and Bulk Soils of Non-host Brassica napus and Their Networks of Co-occurring Microbes. Frontiers in Plant Science, 2022, 13, 828145.	3.6	10
4	Soil microbial community dynamics after co-application of biochar and paper mill biosolids. Applied Soil Ecology, 2021, 165, 103960.	4.3	8
5	Effects of arbuscular mycorrhizal fungi inoculation and crop sequence on root-associated microbiome, crop productivity and nutrient uptake in wheat-based and flax-based cropping systems. Applied Soil Ecology, 2021, 168, 104136.	4.3	10
6	Longâ€term effects of nitrogen and phosphorus fertilization on soil microbial community structure and function under continuous wheat production. Environmental Microbiology, 2020, 22, 1066-1088.	3.8	87
7	Intensifying crop rotations with pulse crops enhances system productivity and soil organic carbon in semi-arid environments. Field Crops Research, 2020, 248, 107657.	5.1	53
8	Soil microbial biomass, activity and community structure as affected by mineral phosphorus fertilization in grasslands. Applied Soil Ecology, 2020, 146, 103391.	4.3	26
9	Fungal Communities of the Canola Rhizosphere: Keystone Species and Substantial Between-Year Variation of the Rhizosphere Microbiome. Microbial Ecology, 2020, 80, 762-777.	2.8	33
10	Neighborhood effects on soil properties, mycorrhizal attributes, tree growth, and nutrient status in afforested zones. Restoration Ecology, 2020, 28, 459-467.	2.9	2
11	Expression of Nâ€cycling genes of root microbiomes provides insights for sustaining oilseed crop production. Environmental Microbiology, 2020, 22, 4545-4556.	3.8	11
12	Similar Arbuscular Mycorrhizal Fungal Communities in 31 Durum Wheat Cultivars (Triticum turgidum) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	3.6	20
13	Bacterial Communities of the Canola Rhizosphere: Network Analysis Reveals a Core Bacterium Shaping Microbial Interactions. Frontiers in Microbiology, 2020, 11, 1587.	3.5	16
14	Mycorrhizal response in crop versus wild plants. PLoS ONE, 2019, 14, e0221037.	2.5	13
15	Influence of introduced arbuscular mycorrhizal fungi and phosphorus sources on plant traits, soil properties, and rhizosphere microbial communities in organic legume-flax rotation. Plant and Soil, 2019, 443, 87-106.	3.7	13
16	Biogeography of arbuscular mycorrhizal fungal communities in saline ecosystems of northern China. Applied Soil Ecology, 2019, 143, 213-221.	4.3	6
17	Discussion paper: Sustainable increase of crop production through improved technical strategies, breeding and adapted management â€“ A European perspective. Science of the Total Environment, 2019, 678, 146-161.	8.0	24
18	Nitrogen mineralization and microbial biomass carbon and nitrogen in response to co-application of biochar and paper mill biosolids. Applied Soil Ecology, 2019, 142, 90-98.	4.3	41

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19	Soil 16S DNA sequence data and corresponding soil property and wheat yield data from a 72-plot field experiment involving pulses and wheat crops grown in rotations in the semiarid prairie. Data in Brief, 2019, 23, 103790.	1.0	1
20	Lentil enhances the productivity and stability of oilseed-cereal cropping systems across different environments. European Journal of Agronomy, 2019, 105, 24-31.	4.1	24
21	Axenic growth of the arbuscular mycorrhizal fungus Rhizophagus irregularis and growth stimulation by coculture with plant growth-promoting rhizobacteria. Mycorrhiza, 2019, 29, 591-598.	2.8	11
22	Site specificity in establishment of a commercial arbuscular mycorrhizal fungal inoculant. Science of the Total Environment, 2019, 660, 1135-1143.	8.0	32
23	High frequency cropping of pulses modifies soil nitrogen level and the rhizosphere bacterial microbiome in 4-year rotation systems of the semiarid prairie. Applied Soil Ecology, 2018, 126, 47-56.	4.3	43
24	Abundance of the arbuscular mycorrhizal fungal taxa associated with the roots and rhizosphere soil of different durum wheat cultivars in the Canadian prairies. Canadian Journal of Microbiology, 2018, 64, 527-536.	1.7	22
25	Genotypic variation in the response of chickpea to arbuscular mycorrhizal fungi and non-mycorrhizal fungal endophytes. Canadian Journal of Microbiology, 2018, 64, 265-275.	1.7	20
26	Soil microbial biomass, activity, and community composition as affected by dairy manure slurry applications in grassland production. Applied Soil Ecology, 2018, 125, 97-107.	4.3	18
27	Effects of plant neighborhood on arbuscular mycorrhizal fungal attributes in afforested zones. Forest Ecology and Management, 2018, 422, 253-262.	3.2	11
28	Why does oriental arborvitae grow better when mixed with black locust: Insight on nutrient cycling?. Ecology and Evolution, 2018, 8, 744-754.	1.9	17
29	Contribution of <i>Medicago sativa</i> to the productivity and nutritive value of forage in semiâ€arid grassland pastures. Grass and Forage Science, 2018, 73, 159-173.	2.9	6
30	Nodulation and nitrogen accumulation in pulses vary with species, cultivars, growth stages, and environments. Canadian Journal of Plant Science, 2018, 98, 527-542.	0.9	7
31	Intensified Pulse Rotations Buildup Pea Rhizosphere Pathogens in Cereal and Pulse Based Cropping Systems. Frontiers in Microbiology, 2018, 9, 1909.	3.5	31
32	Canola Rootâ€“Associated Microbiomes in the Canadian Prairies. Frontiers in Microbiology, 2018, 9, 1188.	3.5	85
33	Taxonomy and pathogenicity of Olpidium brassicae and its allied species. Fungal Biology, 2018, 122, 837-846.	2.5	49
34	Long-Term Land Use Affects Phosphorus Speciation and the Composition of Phosphorus Cycling Genes in Agricultural Soils. Frontiers in Microbiology, 2018, 9, 1643.	3.5	64
35	Soil residual water and nutrients explain about 30% of the rotational effect in 4-year pulse-intensified rotation systems. Canadian Journal of Plant Science, 2017, , .	0.9	14
36	Increasing the frequency of pulses in crop rotations reduces soil fungal diversity and increases the proportion of fungal pathotrophs in a semiarid agroecosystem. Agriculture, Ecosystems and Environment, 2017, 240, 206-214.	5.3	76

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37	Changes in arbuscular mycorrhizal fungal attributes along a chronosequence of black locust (Robinia pseudoacacia) plantations can be attributed to the plantation-induced variation in soil properties. Science of the Total Environment, 2017, 599-600, 273-283.	8.0	39
38	Lentil enhances agroecosystem productivity with increased residual soil water and nitrogen. Renewable Agriculture and Food Systems, 2017, 32, 319-330.	1.8	15
39	Implications of Past, Current, and Future Agricultural Practices for Mycorrhiza-Mediated Nutrient Flux. , 2017, , 175-186.		5
40	The H2-oxidizing Rhizobacteria Associated with Field-Grown Lentil Promote the Growth of Lentil Inoculated with Hup+ Rhizobium Through Multiple Modes of Action. Journal of Plant Growth Regulation, 2017, 36, 348-361.	5.1	8
41	Fungal diversity associated with pulses and its influence on the subsequent wheat crop in the Canadian prairies. Plant and Soil, 2017, 414, 13-31.	3.7	66
42	Plant communities and soil properties mediate agricultural land use impacts on arbuscular mycorrhizal fungi in the Mixed Prairie ecoregion of the North American Great Plains. Agriculture, Ecosystems and Environment, 2017, 249, 187-195.	5.3	23
43	Phosphorus Fertilization Effect on Timothy Root Growth, and Associated Arbuscular Mycorrhizal Development. Agronomy Journal, 2016, 108, 930-938.	1.8	5
44	Effect of green manure crops, termination method, stubble crops, and fallow on soil water, available N, and exchangeable P. Canadian Journal of Plant Science, 2016, 96, 867-886.	0.9	9
45	Edaphic properties override the influence of crops on the composition of the soil bacterial community in a semiarid agroecosystem. Applied Soil Ecology, 2016, 105, 160-168.	4.3	64
46	Phytochemicals induced in chickpea roots selectively and non-selectively stimulate and suppress fungal endophytes and pathogens. Plant and Soil, 2016, 409, 479-493.	3.7	18
47	Cropping practices impact fungal endophytes and pathogens in durum wheat roots. Applied Soil Ecology, 2016, 100, 104-111.	4.3	25
48	Potential to breed for mycorrhizal association in durum wheat. Canadian Journal of Microbiology, 2016, 62, 263-271.	1.7	30
49	Diversifying crop rotations with pulses enhances system productivity. Scientific Reports, 2015, 5, 14625.	3.3	182
50	Incongruous variation of denitrifying bacterial communities as soil N level rises in Canadian canola fields. Applied Soil Ecology, 2015, 89, 93-101.	4.3	18
51	Pyrosequencing reveals the impact of foliar fungicide application to chickpea on root fungal communities of durum wheat in subsequent year. Fungal Ecology, 2015, 15, 73-81.	1.6	20
52	Genotype-Specific Variation in the Structure of Root Fungal Communities Is Related to Chickpea Plant Productivity. Applied and Environmental Microbiology, 2015, 81, 2368-2377.	3.1	39
53	Winter effect on soil microorganisms under different tillage and phosphorus management practices in eastern Canada. Canadian Journal of Microbiology, 2015, 61, 315-326.	1.7	8
54	Plant assemblage composition and soil P concentration differentially affect communities of AM and total fungi in a semi-arid grassland. FEMS Microbiology Ecology, 2015, 91, 1-13.	2.7	19

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55	Root endophytes modify the negative effects of chickpea on the emergence of durum wheat. Applied Soil Ecology, 2015, 96, 201-210.	4.3	5
56	Arbuscular mycorrhizal fungal communities are influenced by agricultural land use and not soil type among the Chernozem great groups of the Canadian Prairies. Plant and Soil, 2015, 387, 351-362.	3.7	46
57	Soil Fungal Resources in Annual Cropping Systems and Their Potential for Management. BioMed Research International, 2014, 2014, 1-15.	1.9	68
58	Negative and positive contributions of arbuscular mycorrhizal fungal taxa to wheat production and nutrient uptake efficiency in organic and conventional systems in the Canadian prairie. Soil Biology and Biochemistry, 2014, 74, 156-166.	8.8	69
59	Interaction between legume and arbuscular mycorrhizal fungi identity alters the competitive ability of warm-season grass species in a grassland community. Soil Biology and Biochemistry, 2014, 70, 176-182.	8.8	22
60	Spatial and temporal structuring of arbuscular mycorrhizal communities is differentially influenced by abiotic factors and host crop in a semi-arid prairie agroecosystem. FEMS Microbiology Ecology, 2014, 88, 333-344.	2.7	127
61	Pyrosequencing reveals how pulses influence rhizobacterial communities with feedback on wheat growth in the semiarid Prairie. Plant and Soil, 2013, 367, 493-505.	3.7	46
62	Effect of long-term tillage and mineral phosphorus fertilization on arbuscular mycorrhizal fungi in a humid continental zone of Eastern Canada. Plant and Soil, 2013, 369, 599-613.	3.7	60
63	Various forms of organic and inorganic P fertilizers did not negatively affect soil- and root-inhabiting AM fungi in a maizeâ€“soybean rotation system. Mycorrhiza, 2013, 23, 143-154.	2.8	36
64	Chickpea genotypes shape the soil microbiome and affect the establishment of the subsequent durum wheat crop in the semiarid North American Great Plains. Soil Biology and Biochemistry, 2013, 63, 129-141.	8.8	58
65	Seasonal variation of microbial biomass, activity, and community structure in soil under different tillage and phosphorus management practices. Biology and Fertility of Soils, 2013, 49, 803-818.	4.3	58
66	Impact of Land Use on Arbuscular Mycorrhizal Fungal Communities in Rural Canada. Applied and Environmental Microbiology, 2013, 79, 6719-6729.	3.1	49
67	Arbuscular mycorrhizal fungi assemblages in Chernozem great groups revealed by massively parallel pyrosequencing. Canadian Journal of Microbiology, 2012, 58, 81-92.	1.7	28
68	Bacterial endophytes mediate positive feedback effects of early legume termination times on the yield of subsequent durum wheat crops. Canadian Journal of Microbiology, 2012, 58, 1368-1377.	1.7	22
69	Tag-encoded pyrosequencing analysis of the effects of fungicide application and plant genotype on rhizobacterial communities. Applied Soil Ecology, 2012, 60, 92-97.	4.3	24
70	Cropping practices modulate the impact of glyphosate on arbuscular mycorrhizal fungi and rhizosphere bacteria in agroecosystems of the semiarid prairie. Canadian Journal of Microbiology, 2012, 58, 990-1001.	1.7	28
71	Phytochemicals and spore germination: At the root of AMF host preference?. Applied Soil Ecology, 2012, 60, 98-104.	4.3	38
72	Genetic variability in arbuscular mycorrhizal fungi compatibility supports the selection of durum wheat genotypes for enhancing soil ecological services and cropping systems in Canada. Canadian Journal of Microbiology, 2012, 58, 293-302.	1.7	76

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73	Growth of Corn Roots and Associated Arbuscular Mycorrhizae Are Affected by Longâ€Term Tillage and Phosphorus Fertilization. Agronomy Journal, 2012, 104, 1672-1678.	1.8	33
74	Water use profiles across the rooting zones of various pulse crops. Field Crops Research, 2012, 134, 130-137.	5.1	33
75	Fungal communities associated with durum wheat production system: A characterization by growth stage, plant organ and preceding crop. Crop Protection, 2012, 37, 26-34.	2.1	63
76	Nontarget effects of foliar fungicide application on the rhizosphere: diversity of<i>nifH</i>gene and nodulation in chickpea field. Journal of Applied Microbiology, 2012, 112, 966-974.	3.1	13
77	Phytochemicals to suppress Fusarium head blight in wheatâ€“chickpea rotation. Phytochemistry, 2012, 78, 72-80.	2.9	54
78	Soilâ€“strain compatibility: the key to effective use of arbuscular mycorrhizal inoculants?. Mycorrhiza, 2011, 21, 183-193.	2.8	58
79	Strategies for reducing the carbon footprint of field crops for semiarid areas. A review. Agronomy for Sustainable Development, 2011, 31, 643-656.	5.3	147
80	Pyrolysis-mass spectrometry and gas chromatography-flame ionization detection as complementary tools for soil lipid characterization. Journal of Analytical and Applied Pyrolysis, 2011, 90, 232-237.	5.5	8
81	First report of<i>Fusarium redolens</i>from Saskatchewan and its comparative pathogenicity. Canadian Journal of Plant Pathology, 2011, 33, 559-564.	1.4	48
82	Long-Term Phosphorus Fertilization Impacts Soil Fungal and Bacterial Diversity but not AM Fungal Community in Alfalfa. Microbial Ecology, 2010, 59, 379-389.	2.8	185
83	Diversity and Functionality of Arbuscular Mycorrhizal Fungi in Three Plant Communities in Semiarid Grasslands National Park, Canada. Microbial Ecology, 2010, 59, 724-733.	2.8	50
84	The arbuscular mycorrhizal symbiosis links N mineralization to plant demand. Mycorrhiza, 2009, 19, 239-246.	2.8	123
85	Thirty-seven years of soil nitrogen and phosphorus fertility management shapes the structure and function of the soil microbial community in a Brown Chernozem. Plant and Soil, 2009, 315, 173-184.	3.7	80
86	Do tree-based intercropping systems increase the diversity and stability of soil microbial communities?. Agriculture, Ecosystems and Environment, 2009, 131, 25-31.	5.3	103
87	Soil microbial quality associated with yield reduction in continuous-pea. Applied Soil Ecology, 2009, 43, 115-121.	4.3	121
88	Soil fertility and arbuscular mycorrhizal fungi related to trees growing on smallholder farms in Senegal. Journal of Arid Environments, 2008, 72, 1247-1256.	2.4	8
89	Arbuscular mycorrhizal fungi and nematodes are involved in negative feedback on a dual culture of alfalfa and Russian wildrye. Applied Soil Ecology, 2008, 40, 30-36.	4.3	19
90	Comparison of solvent mixtures for pressurized solvent extraction of soil fatty acid biomarkers. Talanta, 2008, 77, 195-199.	5.5	17

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91	Soil microbial carbon and phosphorus as influenced by phosphorus fertilization and tillage in a maize-soybean rotation in south-western Quebec. Canadian Journal of Soil Science, 2008, 88, 21-30.	1.2	25
92	Influence of arbuscular mycorrhizae on soil P dynamics, corn P-nutrition and growth in a ridge-tilled commercial field. Canadian Journal of Soil Science, 2008, 88, 283-294.	1.2	7
93	Economics of spring wheat production systems using conventional tillage management in the Brown soil zone â€“ Revisited. Canadian Journal of Plant Science, 2007, 87, 27-40.	0.9	14
94	Evaluation of the â€œbait-lamina testâ€•to assess soil microfauna feeding activity in mixed grassland. Applied Soil Ecology, 2007, 36, 199-204.	4.3	49
95	First Report of Damping-Off of Durum Wheat Caused by Arthrinium sacchari in the Semi-Arid Saskatchewan Fields. Plant Disease, 2007, 91, 469-469.	1.4	23
96	Nitrate leaching in the semiarid prairie : Effect of cropping frequency, crop type, and fertilizer after 37 years. Canadian Journal of Soil Science, 2006, 86, 701-710.	1.2	34
97	Effect of crop rotations on NO₃ leached over 17 years in a medium-textured Brown Chernozem. Canadian Journal of Soil Science, 2006, 86, 109-118.	1.2	18
98	Arbuscular mycorrhizal fungi in field crop production: Potential and new direction. Canadian Journal of Plant Science, 2006, 86, 941-950.	0.9	35
99	Relationships between Fusarium population structure, soil nutrient status and disease incidence in field-grown asparagus. FEMS Microbiology Ecology, 2006, 58, 394-403.	2.7	35
100	Biodiversity and Biogeography of Fusarium Species from Northeastern North American Asparagus Fields Based on Microbiological and Molecular Approaches. Microbial Ecology, 2006, 51, 242-255.	2.8	56
101	Seasonal and long-term resource-related variations in soil microbial communities in wheat-based rotations of the Canadian prairie. Soil Biology and Biochemistry, 2006, 38, 2104-2116.	8.8	136
102	Factors Associated with Fusarium Crown and Root Rot of Asparagus Outbreaks in Quebec. Phytopathology, 2005, 95, 867-873.	2.2	25
103	Response of strawberry to inoculation with arbuscular mycorrhizal fungi under very high soil phosphorus conditions. Mycorrhiza, 2005, 15, 612-619.	2.8	60
104	Negative feedback on a perennial crop: Fusarium crown and root rot of asparagus is related to changes in soil microbial community structure. Plant and Soil, 2005, 268, 75-87.	3.7	60
105	Calibration and validation of a common lambsquarters (Chenopodium album) seedling emergence model. Weed Science, 2004, 52, 61-66.	1.5	17
106	Nutrient Dynamics. Journal of Crop Improvement, 2004, 11, 209-248.	1.7	2
107	Soil microbial dynamics in maize-growing soil under different tillage and residue management systems. Soil Biology and Biochemistry, 2004, 36, 499-512.	8.8	302
108	Water and Fertilizer Nitrogen Management to Minimize Nitrate Pollution from a Cropped Soil in Southwestern Quebec, Canada. Water, Air, and Soil Pollution, 2004, 151, 117-134.	2.4	34

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109	Arbuscular mycorrhiza colonization and development at suboptimal root zone temperature. Mycorrhiza, 2004, 14, 93-101.	2.8	62
110	A microplate assay to measure soil microbial biomass phosphorus. Biology and Fertility of Soils, 2004, 40, 201.	4.3	14
111	Two distinct gene clusters encode pyrene degradation in Mycobacterium sp. strain S65. FEMS Microbiology Ecology, 2004, 48, 209-220.	2.7	62
112	Effects of Key Soil Organisms on Nutrient Dynamics in Temperate Agroecosystems. Journal of Crop Improvement, 2004, 11, 175-207.	1.7	6
113	Impact of arbuscular mycorrhizal fungi on N and P cycling in the root zone. Canadian Journal of Soil Science, 2004, 84, 383-395.	1.2	69
114	Denitrification and nitrous oxide to nitrous oxide plus dinitrogen ratios in the soil profile under three tillage systems. Biology and Fertility of Soils, 2003, 38, 340-348.	4.3	82
115	The use of thermal time to model common lambsquarters (Chenopodium album) seedling emergence in corn. Weed Science, 2003, 51, 718-724.	1.5	24
116	Morphology and fractal dimension of root systems of maize hybrids bearing the leafy trait. Canadian Journal of Botany, 2003, 81, 706-713.	1.1	12
117	Diversity of Native Endomycorrhizal Fungi in Selected Strawberry Field Soils of Southern Quebec. International Journal of Fruit Science, 2003, 2, 61-71.	0.2	3
118	Soil phosphorus depletion capacity of arbuscular mycorrhizae formed by maize hybrids. Canadian Journal of Soil Science, 2003, 83, 337-342.	1.2	9
119	Reduction of the available phosphorus pool in field soils growing maize genotypes with extensive mycorrhizal development. Canadian Journal of Plant Science, 2003, 83, 737-744.	0.9	17
120	First Report of Root Rot on Asparagus Caused by Phytophthora megasperma in Canada. Plant Disease, 2003, 87, 447-447.	1.4	2
121	Concentrations of K, Ca and Mg in maize colonized by arbuscular mycorrhizal fungi under field conditions. Canadian Journal of Soil Science, 2002, 82, 272-278.	1.2	50
122	Effect of the Presence or Absence of Corn on Common Lambsquarters (Chenopodium album L.) and Barnyardgrass [Echinochloa crus-galli (L.) Beauv.] Emergence1. Weed Technology, 2002, 16, 638-644.	0.9	10
123	Effect of water on common lambsquarters (<i>Chenopodium album</i> L.) and barnyardgrass [<i>Echinochloa crus-galli</i> (L.) Beauv.] seedling emergence in corn. Canadian Journal of Plant Science, 2002, 82, 855-859.	0.9	6
124	Development of a selective myclobutanil agar (MBA) medium for the isolation of Fusarium species from asparagus fields. Canadian Journal of Microbiology, 2002, 48, 841-847.	1.7	26
125	Differential and systemic alteration of defence-related gene transcript levels in mycorrhizal bean plants infected with Rhizoctonia solani. Canadian Journal of Botany, 2002, 80, 305-315.	1.1	38
126	Copper Release from Chemical Rootâ€Control Baskets in Hardwood Tree Production. Journal of Environmental Quality, 2002, 31, 910-916.	2.0	1

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127	Environmental and Agronomic Implications of Water Table and Nitrogen Fertilization Management. Journal of Environmental Quality, 2002, 31, 1858-1867.	2.0	42
128	Phosphorus-32 absorption and translocation to host plants by arbuscular mycorrhizal fungi at low root-zone temperature. Mycorrhiza, 2002, 12, 93-96.	2.8	41
129	Root Morphology of Contrasting Maize Genotypes. Agronomy Journal, 2002, 94, 96-101.	1.8	45
130	Detection of chitin synthase class I and II type sequences in six different arbuscular mycorrhizal fungi and gene expression in Glomus intraradices. Mycological Research, 2001, 105, 470-476.	2.5	9
131	Underseeded clover as a nitrogen source for spring wheat on a Gleysol. Canadian Journal of Soil Science, 2001, 81, 93-102.	1.2	15
132	Crop and weed response to nutrient source, tillage and weed control method in a corn-soybean rotation. Canadian Journal of Plant Science, 2001, 81, 561-571.	0.9	7
133	Root contrast enhancement for measurement with optical scanner-based image analysis. Canadian Journal of Botany, 2001, 79, 23-29.	1.1	31
134	Suitability of <i>Glomus intraradices</i> in vitro produced spores and root segment inoculum for the establishment of a mycorrhizosphere in an experimental microcosm. Canadian Journal of Botany, 2001, 79, 879-885.	1.1	4
135	Influence of water table and nitrogen management on residual soil NO3âˆ' and denitrification rate under corn production in sandy loam soil in Quebec. Agriculture, Ecosystems and Environment, 2000, 79, 187-197.	5.3	25
136	Title is missing!. Plant and Soil, 2000, 221, 157-166.	3.7	78
137	Acquisition of Cu, Zn, Mn and Fe by mycorrhizal maize (Zea mays L.) grown in soil at different P and micronutrient levels. Mycorrhiza, 2000, 9, 331-336.	2.8	298
138	A Sampling Method for Measurement of Large Root Systems with Scannerâ€Based Image Analysis. Agronomy Journal, 2000, 92, 621-627.	1.8	72
139	Combined effects of soil disturbance and fallowing on plant and fungal components of mycorrhizal corn (Zea mays L.). Soil Biology and Biochemistry, 1999, 31, 307-314.	8.8	51
140	Dynamics of the mycorrhizal symbiosis of corn (Zea mays L.): effects of host physiology, tillage practice and fertilization on spatial distribution of extra-radical mycorrhizal hyphae in the field. Agriculture, Ecosystems and Environment, 1998, 68, 151-163.	5.3	73
141	Vertical distribution of arbuscular mycorrhizal fungi under corn (Zea mays L.) in no-till and conventional tillage systems. Mycorrhiza, 1998, 8, 53-55.	2.8	75
142	Facteurs impliquÃ©s dans la levÃ©e des mauvaises herbes au champ. Phytoprotection, 1998, 79, 111-127.	0.3	14
143	Inhibition of <i>Fusarium oxysporum</i> f-sp. <i>dianthi</i> in the non-VAM species <i>Dianthus caryophyllus</i> by co-culture with <i>Tagetes patula</i> companion plants colonized by <i>Glomus intraradices</i>. Canadian Journal of Botany, 1997, 75, 998-1005.	1.1	52
144	Title is missing!. Plant and Soil, 1997, 192, 285-293.	3.7	162

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145	The proliferation of fungal hyphae in soils supporting mycorrhizal and non-mycorrhizal plants. Mycorrhiza, 1997, 6, 477-480.	2.8	26
146	Indigenous populations of arbuscular mycorrhizal fungi and soil aggregate stability are major determinants of leek (Allium porrum L.) response to inoculation with Glomus intraradices Schenck & Smith or Glomus versiforme (Karsten) Berch. Mycorrhiza, 1997, 7, 187-196.	2.8	53
147	Overwinter survival of arbuscular mycorrhizal hyphae is favored by attachment to roots but diminished by disturbance. Mycorrhiza, 1997, 7, 197-200.	2.8	42
148	Prospects and problems pertaining to the management of arbuscular mycorrhizae in agriculture. Agriculture, Ecosystems and Environment, 1996, 60, 197-210.	5.3	57
149	Enhanced hyphal growth and spore production of the arbuscular mycorrhizal fungus Glomus intraradices in an in vitro system in the absence of host roots. Mycological Research, 1996, 100, 328-332.	2.5	409
150	Endomycorrhizae in a newly cultivated acidic meadow: Effects of three years of barley cropping, tillage, lime, and phosphorus on root colonization and soil infectivity. Biology and Fertility of Soils, 1996, 21, 160-165.	4.3	1
151	Effect of three vesicularâ€arbuscular mycorrhizae species and phosphorus on reproductive and vegetative growth of three strawberry cultivars¹. Journal of Plant Nutrition, 1995, 18, 1073-1079.	1.9	27
152	Root-zone temperature and soybean [Glycine max. (L.) merr.] vesicular-arbuscular mycorrhizae: Development and interactions with the nitrogen fixing symbiosis. Environmental and Experimental Botany, 1995, 35, 287-298.	4.2	37
153	Altered growth of Fusarium oxysporum f.sp. chrysanthemi in an in vitro dual culture system with the vesicular arbuscular mycorrhizal fungus Glomus intraradices growing on Daucus carota transformed roots. Mycorrhiza, 1995, 5, 431-438.	2.8	66
154	Inhibition of<i>Pythium ultimum</i>in roots and growth substrate of mycorrhizal<i>Tagetes patula</i>colonized with<i>Glomus intraradices</i>. Canadian Journal of Plant Pathology, 1994, 16, 187-194.	1.4	59
155	Below-ground interactions between a seedling soybean and preestablished soybean plant with and without mycorrhizal fungi. 1. Plant biomass, root growth, and mycorrhizal colonization. Agriculture, Ecosystems and Environment, 1994, 49, 131-138.	5.3	1
156	Composition of the vesicular-arbuscular mycorrhizal fungi population in an old meadow as affected by pH, phosphorus and soil disturbance. Agriculture, Ecosystems and Environment, 1994, 49, 223-231.	5.3	51
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