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List of Publications by Year
in descending order

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55 papers	5,185 citations	117571 34 h-index	155592 55 g-index
56 all docs	56 docs citations	56 times ranked	6142 citing authors

#	Article	IF	Citations
1	Mycorrhizal fungi enhance plant nutrient acquisition and modulate nitrogen loss with variable water regimes. Global Change Biology, 2018, 24, e171-e182.	4.2	105
2	Biochemical proxies indicate differences in soil C cycling induced by long-term tillage and residue management in a tropical agroecosystem. Plant and Soil, 2017, 420, 315-329.	1.8	16
3	Can conservation agriculture improve phosphorus (P) availability in weathered soils? Effects of tillage and residue management on soil P status after 9 years in a Kenyan Oxisol. Soil and Tillage Research, 2017, 166, 157-166.	2.6	43
4	Ecological intensification and arbuscular mycorrhizas: a metaâ€analysis of tillage and cover crop effects. Journal of Applied Ecology, 2017, 54, 1785-1793.	1.9	166
5	Ecologically Based Nutrient Management. , 2017, , 203-257.		18
6	Increasing the effective use of water in processing tomatoes through alternate furrow irrigation without a yield decrease. Agricultural Water Management, 2016, 177, 107-117.	2.4	16
7	Effects of arbuscular mycorrhizae on tomato yield, nutrient uptake, water relations, and soil carbon dynamics under deficit irrigation in field conditions. Science of the Total Environment, 2016, 566-567, 1223-1234.	3.9	164
8	Soil Organic Matter Functional Group Composition in Relation to Organic Carbon, Nitrogen, and Phosphorus Fractions in Organically Managed Tomato Fields. Soil Science Society of America Journal, 2015, 79, 772-782.	1.2	104
9	Tightly-Coupled Plant-Soil Nitrogen Cycling: Comparison of Organic Farms across an Agricultural Landscape. PLoS ONE, 2015, 10, e0131888.	1.1	38
10	Root expression of nitrogen metabolism genes reflects soil nitrogen cycling in an organic agroecosystem. Plant and Soil, 2015, 392, 175-189.	1.8	11
11	California processing tomatoes: Morphological, physiological and phenological traits associated with crop improvement during the last 80 years. European Journal of Agronomy, 2014, 53, 45-55.	1.9	32
12	Arbuscular mycorrhizal effects on plant water relations and soil greenhouse gas emissions under changing moisture regimes. Soil Biology and Biochemistry, 2014, 74, 184-192.	4.2	78
13	Nematode food webs associated with native perennial plant species and soil nutrient pools in California riparian oak woodlands. Geoderma, 2014, 228-229, 182-191.	2.3	26
14	Soil enzyme activities, microbial communities, and carbon and nitrogen availability in organic agroecosystems across an intensively-managed agricultural landscape. Soil Biology and Biochemistry, 2014, 68, 252-262.	4.2	551
15	Use of introgression lines to determine the ecophysiological basis for changes in water use efficiency and yield in California processing tomatoes. Functional Plant Biology, 2014, 41, 119.	1.1	13
16	Climate-smart agriculture global research agenda: scientific basis for action. Agriculture and Food Security, 2014, 3, .	1.6	165
17	The reduced mycorrhizal colonisation (rmc) mutation of tomato disrupts five gene sequences including the CYCLOPS/IPD3 homologue. Mycorrhiza, 2013, 23, 573-584.	1.3	20
18	Use of local greenhouse gas inventories to prioritise opportunities for climate action planning and voluntary mitigation by agricultural stakeholders in California. Journal of Environmental Planning and Management, 2013, 56, 553-571.	2.4	13

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19	The impacts of alternative patterns of urbanization on greenhouse gas emissions in an agricultural county. Journal of Urbanism, 2013, 6, 213-235.	0.6	9
20	Inside Arbuscular Mycorrhizal Roots â€“ Molecular Probes to Understand the Symbiosis. Plant Genome, 2013, 6, plantgenome2012.06.0007.	1.6	19
21	Nematode community responses to a moisture gradient and grazing along a restored riparian corridor. European Journal of Soil Biology, 2012, 50, 32-38.	1.4	20
22	Soil microbial-root and microbial-rhizosphere processes to increase nitrogen availability and retention in agroecosystems. Current Opinion in Environmental Sustainability, 2012, 4, 517-522.	3.1	38
23	Global and Local Concerns: What Attitudes and Beliefs Motivate Farmers to Mitigate and Adapt to Climate Change?. PLoS ONE, 2012, 7, e52882.	1.1	195
24	Transcriptomic and metabolic responses of mycorrhizal roots to nitrogen patches under field conditions. Plant and Soil, 2012, 350, 145-162.	1.8	51
25	Abundance, diversity and connectance of soil food web channels along environmental gradients in an agricultural landscape. Soil Biology and Biochemistry, 2011, 43, 2374-2383.	4.2	55
26	Assessment of carbon in woody plants and soil across a vineyard-woodland landscape. Carbon Balance and Management, 2011, 6, 11.	1.4	33
27	Cultivar mixtures of processing tomato in an organic agroecosystem. Organic Agriculture, 2011, 1, 17-30.	1.2	10
28	Plant-soil biodiversity relationships and nutrient retention in agricultural riparian zones of the Sacramento Valley, California. Agroforestry Systems, 2010, 80, 41-60.	0.9	40
29	Biodiversity is associated with indicators of soil ecosystem functions over a landscape gradient of agricultural intensification. Landscape Ecology, 2010, 25, 1333-1348.	1.9	104
30	Tomato root transcriptome response to a nitrogen-enriched soil patch. BMC Plant Biology, 2010, 10, 75.	1.6	44
31	Land use and climatic factors structure regional patterns in soil microbial communities. Global Ecology and Biogeography, 2010, 19, 27-39.	2.7	261
32	The Potential for California Agricultural Crop Soils to Reduce Greenhouse Gas Emissions. Advances in Agronomy, 2010, , 123-162.	2.4	20
33	Below and aboveground responses to lupines and litter mulch in a California grassland restored with native bunchgrasses. Applied Soil Ecology, 2009, 42, 124-133.	2.1	7
34	Nematode diversity, food web condition, and chemical and physical properties in different soil habitats of an organic farm. Biology and Fertility of Soils, 2008, 44, 727-744.	2.3	42
35	Roots, Nitrogen Transformations, and Ecosystem Services. Annual Review of Plant Biology, 2008, 59, 341-363.	8.6	267
36	Growth, nutrition, and soil respiration of a mycorrhiza-defective tomato mutant and its mycorrhizal wild-type progenitor. Functional Plant Biology, 2008, 35, 228.	1.1	44

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37	Vineyard floor management affects soil, plant nutrition, and grape yield and quality. California Agriculture, 2008, 62, 184-190.	0.5	55
38	Mycorrhizal effects on growth and nutrition of tomato under elevated atmospheric carbon dioxide. Functional Plant Biology, 2007, 34, 730.	1.1	26
39	Soil microbial community composition as affected by restoration practices in California grassland. Soil Biology and Biochemistry, 2006, 38, 1851-1860.	4.2	145
40	Linking soil properties and nematode community composition: effects of soil management on soil food webs. Nematology, 2006, 8, 703-715.	0.2	108
41	Microbial responses and nitrous oxide emissions during wetting and drying of organically and conventionally managed soil under tomatoes. Biology and Fertility of Soils, 2005, 42, 109-118.	2.3	99
42	Microbial immobilization of ammonium and nitrate in relation to ammonification and nitrification rates in organic and conventional cropping systems. Soil Biology and Biochemistry, 2003, 35, 29-36.	4.2	368
43	Erratum to â€œSoil community composition and land use history in cultivated and grassland ecosystems of coastal Californiaâ€•[Soil Biology & Biochemistry 34(11) 1599â€“1611]. Soil Biology and Biochemistry, 2003, 35, 487.	4.2	5
44	Organic Amendment and Tillage Effects on Vegetable Field Weed Emergence and Seedbanks1. Weed Technology, 2003, 17, 42-50.	0.4	37
45	Scientists, growers assess trade-offs in use of tillage, cover crops and compost. California Agriculture, 2003, 57, 48-54.	0.5	10
46	Soil microbial community composition and land use history in cultivated and grassland ecosystems of coastal California. Soil Biology and Biochemistry, 2002, 34, 1599-1611.	4.2	242
47	Rototillage, Disking, and Subsequent Irrigation. Journal of Environmental Quality, 2002, 31, 752-758.	1.0	31
48	Minimum tillage practices affect disease and yield of lettuce. California Agriculture, 2002, 56, 35-40.	0.5	6
49	Shortâ€Term Dynamics of Nitrogen, Microbial Activity, and Phospholipid Fatty Acids after Tillage. Soil Science Society of America Journal, 2001, 65, 118-126.	1.2	160
50	Microbial responses to simulated tillage in cultivated and uncultivated soils. Soil Biology and Biochemistry, 2000, 32, 1547-1559.	4.2	160
51	Assessment of methylammonium as an analog for ammonium in plant uptake from soil. Plant and Soil, 1994, 164, 195-202.	1.8	4
52	Root distribution in relation to soil nitrogen availability in field-grown tomatoes. Plant and Soil, 1990, 128, 115-126.	1.8	77
53	Spatial and temporal effects on plant-microbial competition for inorganic nitrogen in a california annual grassland. Soil Biology and Biochemistry, 1989, 21, 1059-1066.	4.2	250
54	Short-term partitioning of ammonium and nitrate between plants and microbes in an annual grassland. Soil Biology and Biochemistry, 1989, 21, 409-415.	4.2	345

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55	Ecological Origins of California's Mediterranean Grasses. Journal of Biogeography, 1985, 12, 349.	1.4	106