

Carol Shennan

List of Publications by Year in descending order

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90
papers

4,249
citations

101543

36
h-index

133252

59
g-index

90
all docs

90
docs citations

90
times ranked

3625
citing authors

#	ARTICLE	IF	CITATIONS
1	Suppression of tomato bacterial wilt by anaerobic soil disinfestation and associations with production of antagonistic compounds. <i>Plant and Soil</i> , 2022, 477, 539-552.	3.7	4
2	Sustainable and conventional intensification: how gendered livelihoods influence farming practice adoption in the Vietnamese Mekong River Delta. <i>Environment, Development and Sustainability</i> , 2021, 23, 7089-7116.	5.0	3
3	Complete chloroplast genome sequencing of ten wild <i>Fragaria</i> species in China provides evidence for phylogenetic evolution of <i>Fragaria</i> . <i>Genomics</i> , 2021, 113, 1170-1179.	2.9	24
4	Analysis of Environmental Variables and Carbon Input on Soil Microbiome, Metabolome and Disease Control Efficacy in Strawberry Attributable to Anaerobic Soil Disinfestation. <i>Microorganisms</i> , 2021, 9, 1638.	3.6	12
5	Integrating broccoli rotation, mustard meal, and anaerobic soil disinfestation to manage verticillium wilt in strawberry. <i>Crop Protection</i> , 2021, 146, 105659.	2.1	9
6	Encouraging technology adoption using ICTs and farm trials in Senegal: Lessons for gender equity and scaled impact. <i>World Development</i> , 2021, 146, 105620.	4.9	18
7	Tuning stakeholder expectations in organic strawberry production – A sixteen-year case study of co-development of a strawberry knowledge network in California. <i>Journal of Cleaner Production</i> , 2021, 323, 129192.	9.3	3
8	On-farm trials identify adaptive management options for rainfed agriculture in West Africa. <i>Agricultural Systems</i> , 2020, 182, 102819.	6.1	6
9	Anaerobic soil disinfestation: areawide project on obstacles and adoption. <i>Acta Horticulturae</i> , 2020, , 23-36.	0.2	7
10	Use of a summer cover crop as a partial carbon source for anaerobic soil disinfestation in coastal California. <i>Acta Horticulturae</i> , 2020, , 37-44.	0.2	11
11	Effects of crop rotation, anaerobic soil disinfestation, and mustard seed meal on disease severity and organic strawberry production in California. <i>Acta Horticulturae</i> , 2020, , 63-70.	0.2	4
12	The economic viability of suppressive crop rotations for the control of verticillium wilt in organic strawberry production. <i>Agroecology and Sustainable Food Systems</i> , 2019, 43, 984-1008.	1.9	4
13	DOES SIZE MATTER? A CRITICAL REVIEW OF META-ANALYSIS IN AGRONOMY. <i>Experimental Agriculture</i> , 2019, 55, 200-229.	0.9	17
14	Assessing Anaerobic Soil Disinfestation as a Control Tactic for <i>Delia radicum</i> (Diptera: Anthomyiidae) in California Brussels Sprouts. <i>Environmental Entomology</i> , 2019, 48, 633-640.	1.4	0
15	Anaerobic disinfestation induced changes to the soil microbiome, disease incidence and strawberry fruit yields in California field trials. <i>Applied Soil Ecology</i> , 2018, 127, 74-86.	4.3	51
16	Anaerobic soil disinfestation is an alternative to soil fumigation for control of some soilborne pathogens in strawberry production. <i>Plant Pathology</i> , 2018, 67, 51-66.	2.4	86
17	Organic and Conventional Agriculture: A Useful Framing?. <i>Annual Review of Environment and Resources</i> , 2017, 42, 317-346.	13.4	74
18	Anaerobic soil disinfestation (ASD): a strategy for control of soil borne diseases in strawberry production. <i>Acta Horticulturae</i> , 2016, , 113-120.	0.2	9

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19	CAL-collaborative organic research and extension network: on-farm research to improve strawberry/vegetable rotation systems in coastal California. <i>Acta Horticulturae</i> , 2016, , 283-290.	0.2	1
20	Anaerobic Soil Disinfestation and <i>Brassica</i> Seed Meal Amendment Alter Soil Microbiology and System Resistance. <i>International Journal of Fruit Science</i> , 2016, 16, 47-58.	2.4	11
21	Effect of Anaerobic Soil Disinfestation and Mustard Seed Meal for Control of Charcoal Rot in California Strawberries. <i>International Journal of Fruit Science</i> , 2016, 16, 59-70.	2.4	23
22	Anaerobic Soil Disinfestation and Soilborne Pest Management. <i>Soil Biology</i> , 2015, , 277-305.	0.8	49
23	INTEGRATED ROTATION SYSTEMS FOR SOILBORNE DISEASE, WEED AND FERTILITY MANAGEMENT IN STRAWBERRY/VEGETABLE PRODUCTION. <i>Acta Horticulturae</i> , 2014, , 269-274.	0.2	4
24	OPTIMIZING ANAEROBIC SOIL DISINFESTATION FOR CALIFORNIA STRAWBERRIES. <i>Acta Horticulturae</i> , 2014, , 215-220.	0.2	29
25	Local Ecosystem Service Use and Assessment Vary with Socio-ecological Conditions: A Case of Native Coffee-Forests in Southwestern Ethiopia. <i>Human Ecology</i> , 2014, 42, 873-883.	1.4	32
26	Integrated Biological and Cultural Practices Can Reduce Crop Rotation Period of Organic Strawberries. <i>Agroecology and Sustainable Food Systems</i> , 2014, 38, 603-631.	1.9	13
27	Anaerobic Soil Disinfestation (ASD) Combined with Soil Solarization as a Methyl Bromide Alternative: Vegetable Crop Performance and Soil Nutrient Dynamics. <i>Plant and Soil</i> , 2014, 378, 365-381.	3.7	85
28	Effects of land-use changes on woody species distribution and above-ground carbon storage of forest-coffee systems. <i>Agriculture, Ecosystems and Environment</i> , 2014, 197, 21-30.	5.3	37
29	Policy and demographic factors shape deforestation patterns and socio-ecological processes in southwest Ethiopian coffee agroecosystems. <i>Applied Geography</i> , 2014, 54, 149-159.	3.7	45
30	Prospects for forest-based ecosystem services in forest-coffee mosaics as forest loss continues in southwestern Ethiopia. <i>Applied Geography</i> , 2014, 50, 144-151.	3.7	54
31	Coffee landscapes as refugia for native woody biodiversity as forest loss continues in southwest Ethiopia. <i>Biological Conservation</i> , 2014, 169, 384-391.	4.1	67
32	ANAEROBIC SOIL DISINFESTATION FOR SOIL BORNE DISEASE CONTROL IN STRAWBERRY AND VEGETABLE SYSTEMS: CURRENT KNOWLEDGE AND FUTURE DIRECTIONS. <i>Acta Horticulturae</i> , 2014, , 165-175.	0.2	90
33	Farmer Seed Exchange and Crop Diversity in a Changing Agricultural Landscape in the Southern Highlands of Ethiopia. <i>Human Ecology</i> , 2013, 41, 477-485.	1.4	45
34	Relative Densities of Natural Enemy and Pest Insects Within California Hedgerows. <i>Environmental Entomology</i> , 2013, 42, 688-702.	1.4	31
35	TIF film, substrates and nonfumigant soil disinfestation maintain fruit yields. <i>California Agriculture</i> , 2013, 67, 139-146.	0.8	28
36	THE ORGANIC RESEARCH NETWORK PROJECT ON THE CENTRAL COAST OF CALIFORNIA. <i>Acta Horticulturae</i> , 2013, , 35-45.	0.2	2

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37	Improving irrigated rice production in the Senegal River Valley through experiential learning and innovation. <i>Agricultural Systems</i> , 2012, 109, 101-112.	6.1	50
38	Genotypic trade-offs between water productivity and weed competition under the System of Rice Intensification in the Sahel. <i>Agricultural Water Management</i> , 2012, 115, 156-166.	5.6	29
39	Exploring warm-season cover crops as carbon sources for anaerobic soil disinfestation (ASD). <i>Plant and Soil</i> , 2012, 355, 149-165.	3.7	102
40	Yield, water productivity and nutrient balances under the System of Rice Intensification and Recommended Management Practices in the Sahel. <i>Field Crops Research</i> , 2012, 130, 155-167.	5.1	37
41	Impact of anaerobic soil disinfestation combined with soil solarization on plant-parasitic nematodes and introduced inoculum of soilborne plant pathogens in raised-bed vegetable production. <i>Crop Protection</i> , 2012, 39, 33-40.	2.1	121
42	Transforming U.S. Agriculture. <i>Science</i> , 2011, 332, 670-671.	12.6	113
43	Nitrogen Contribution of Legume/Cereal Mixed Cover Crops and Organic Fertilizers to an Organic Broccoli Crop. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2011, 46, 1154-1162.	1.0	16
44	Improving recommendations resulting from on-farm research: agroforestry, risk, profitability and vulnerability in southern Malawi. <i>International Journal of Agricultural Sustainability</i> , 2010, 8, 290-304.	3.5	19
45	Comparing agroforestry systems' ex ante adoption potential and ex post adoption: on-farm participatory research from southern Malawi. <i>Agroforestry Systems</i> , 2010, 79, 253-266.	2.0	29
46	Human and Environmental Factors Affect Patterns of Crop Diversity in an Ethiopian Highland Agroecosystem. <i>Professional Geographer</i> , 2010, 62, 395-408.	1.8	29
47	Impacts of groundcover management systems on yield, leaf nutrients, weeds, and arthropods of tart cherry in Michigan, USA. <i>Agriculture, Ecosystems and Environment</i> , 2008, 125, 239-245.	5.3	27
48	Biotic interactions, ecological knowledge and agriculture. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2008, 363, 717-739.	4.0	162
49	Organic N Fertilizers and Irrigation Influence Organic Broccoli Production in Two Regions of California. <i>International Journal of Vegetable Science</i> , 2007, 12, 27-46.	0.2	9
50	Nitrate dynamics within the Pajaro River, a nutrient-rich, losing stream. <i>Journal of the North American Benthological Society</i> , 2007, 26, 191-206.	3.1	25
51	How Natural Enemies and Cabbage Aphid (<i>Brevicoryne brassicae</i> L.) Population Dynamics Affect Organic Broccoli Harvest. <i>Environmental Entomology</i> , 2006, 35, 94-101.	1.4	21
52	Differential gauging and tracer tests resolve seepage fluxes in a strongly-losing stream. <i>Journal of Hydrology</i> , 2006, 330, 235-248.	5.4	71
53	Strawberry Cultivars and Mycorrhizal Inoculants Evaluated in California Organic Production Fields. <i>Crop Management</i> , 2005, 4, 1-10.	0.3	8
54	Land Use and Stream Nitrogen Concentrations in Agricultural Watersheds Along the Central Coast of California. <i>Scientific World Journal</i> , The, 2001, 1, 615-622.	2.1	15

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55	Profiles of California farmers by degree of IPM use as indicated by self-descriptions in a phone survey. <i>Agriculture, Ecosystems and Environment</i> , 2001, 84, 267-275.	5.3	23
56	Foliar-Applied Seaweed and Fish Powder Do Not Improve Yield and Fruit Quality of Organically Grown Processing Tomatoes. <i>Biological Agriculture and Horticulture</i> , 2000, 18, 15-27.	1.0	6
57	Impacts of gypsum and winter cover crops on soil physical properties and crop productivity when irrigated with saline water. <i>Agricultural Water Management</i> , 2000, 45, 55-71.	5.6	55
58	Changes in Soil Water Storage in Winter Fallowed and Cover Cropped Soils. <i>Agroecology and Sustainable Food Systems</i> , 1999, 15, 19-31.	0.9	24
59	Growth and nutrient composition of Ca ²⁺ use efficient and Ca ²⁺ use inefficient genotypes of tomato. <i>Plant Physiology and Biochemistry</i> , 1999, 37, 559-567.	5.8	3
60	Interactive effects of Ca ²⁺ and NaCl salinity on the growth of two tomato genotypes differing in Ca ²⁺ use efficiency. <i>Plant Physiology and Biochemistry</i> , 1999, 37, 569-576.	5.8	27
61	Cover Crops for Saline Soils. <i>Journal of Agronomy and Crop Science</i> , 1999, 183, 167-178.	3.5	21
62	Nitrogen, weeds and water as yield-limiting factors in conventional, low-input, and organic tomato systems. <i>Agriculture, Ecosystems and Environment</i> , 1999, 73, 257-270.	5.3	149
63	Uptake and distribution of selenium in tomato plants as affected by genotype and sulphate supply. <i>Journal of Plant Nutrition</i> , 1999, 22, 1613-1635.	1.9	26
64	Modeling nitrogen cycling in tomato-safflower and tomato-wheat rotations. <i>Agricultural Systems</i> , 1999, 60, 123-135.	6.1	27
65	Growth and nutrient composition of Ca ²⁺ use efficient and Ca ²⁺ use inefficient genotypes of tomato. <i>Plant Physiology and Biochemistry</i> , 1999, 37, 559-567.	5.8	3
66	Application of epic model to nitrogen cycling in irrigated processing tomatoes under different management systems. <i>Agricultural Systems</i> , 1998, 56, 391-414.	6.1	42
67	Changes in Soil Chemical Properties Resulting from Organic and Low-Input Farming Practices. <i>Agronomy Journal</i> , 1998, 90, 662-671.	1.8	332
68	Short-Term Effects of Cover Crop Incorporation on Soil Carbon Pools and Nitrogen Availability. <i>Soil Science Society of America Journal</i> , 1997, 61, 901-911.	2.2	59
69	Effects of soil management on crop nitrogen and insect damage in organic vs. conventional tomato fields. <i>Agriculture, Ecosystems and Environment</i> , 1996, 57, 179-187.	5.3	39
70	The effect of nitrogen source and crop rotation on the growth and yield of processing tomatoes. <i>Nutrient Cycling in Agroecosystems</i> , 1996, 47, 271-282.	2.2	43
71	Nutritional Management of Microbial Polysaccharide Production and Aggregation in an Agricultural Soil. <i>Soil Science Society of America Journal</i> , 1995, 59, 1587-1594.	2.2	85
72	Fundamental Differences Between Conventional and Organic Tomato Agroecosystems in California. , 1995, 5, 1098-1112.		365

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73	Feasibility of Cyclic Reuse of Saline Drainage in a Tomato-Cotton Rotation. <i>Journal of Environmental Quality</i> , 1995, 24, 476-486.	2.0	38
74	Salinity Effects on Root Growth and Senescence in Tomato and the Consequences for Severity of Phytophthora Root Rot Infection. <i>Journal of the American Society for Horticultural Science</i> , 1994, 119, 458-463.	1.0	17
75	Transition from conventional to low-input agriculture changes soil fertility and biology. <i>California Agriculture</i> , 1994, 48, 20-26.	0.8	105
76	Variables Associated with Corky Root and Phytophthora Root Rot of Tomatoes in Organic and Conventional Farms. <i>Phytopathology</i> , 1993, 83, 581.	2.2	96
77	Effects of salinity on root growth and death dynamics of tomato, <i>Lycopersicon esculentum</i> Mill.. <i>New Phytologist</i> , 1992, 121, 71-79.	7.3	56
78	Cover Crops, Nitrogen Cycling, and Soil Properties in Semi-irrigated Vegetable Production Systems. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 1992, 27, 749-754.	1.0	51
79	Meeting the Nitrogen Needs of Processing Tomatoes through Winter Cover Cropping. <i>Journal of Production Agriculture</i> , 1991, 4, 330-334.	0.4	44
80	Effects of salinity on severity of infection by <i>Phytophthora parasitica</i> Dast., ion concentrations and growth of tomato, <i>Lycopersicon esculentum</i> Mill.. <i>New Phytologist</i> , 1991, 119, 275-284.	7.3	49
81	Developmental changes in tomato fruit composition in response to water deficit and salinity. <i>Physiologia Plantarum</i> , 1991, 83, 177-185.	5.2	108
82	Tomato Fruit Yields and Quality under Water Deficit and Salinity. <i>Journal of the American Society for Horticultural Science</i> , 1991, 116, 215-221.	1.0	227
83	Developmental changes in tomato fruit composition in response to water deficit and salinity. <i>Physiologia Plantarum</i> , 1991, 83, 177-185.	5.2	25
84	Variation in [⁷⁵ Se]selenate uptake and partitioning among tomato cultivars and wild species. <i>New Phytologist</i> , 1990, 115, 523-530.	7.3	23
85	Selenomethionine Uptake by Wheat Seedlings. <i>Agronomy Journal</i> , 1990, 82, 1127-1130.	1.8	79
86	Effect of high external NaCl concentration on ion transport within the shoot of <i>Lupinus albus</i> . II. Ions in phloem sap. <i>Plant, Cell and Environment</i> , 1988, 11, 291-300.	5.7	47
87	Salt tolerance in <i>Aster tripolium</i> L. I. The effect of salinity on growth. <i>Plant, Cell and Environment</i> , 1987, 10, 59-65.	5.7	55
88	Salt tolerance in <i>Aster tripolium</i> L. II. Ionic regulation. <i>Plant, Cell and Environment</i> , 1987, 10, 67-74.	5.7	21
89	Salt tolerance in <i>Aster tripolium</i> L. III. Na and K fluxes in intact seedlings. <i>Plant, Cell and Environment</i> , 1987, 10, 75-81.	5.7	6
90	Plant-Derived Carbon Sources for Anaerobic Soil Disinfestation in Southern California. <i>Global Journal of Agricultural Innovation Research & Development</i> , 0, 8, 169-175.	0.2	2