

Senyu Chen

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Interactive Effects of Soybean Cyst Nematode, Arbuscular-Mycorrhizal Fungi, and Soil pH on Chlorophyll Content and Plant Growth of Soybean. <i>Phytobiomes Journal</i> , 2022, 6, 95-105.	2.7	4
2	Soybean Cyst Nematode Population Development and Its Effect on Pennycress in a Greenhouse Study. <i>Journal of Nematology</i> , 2022, 54, .	0.9	5
3	Growth chamber and greenhouse screening of promising in vitro fungal biological control candidates for the soybean cyst nematode (<i>Heterodera glycines</i>). <i>Biological Control</i> , 2021, 160, 104635.	3.0	6
4	Interactions between soil properties, fungal communities, the soybean cyst nematode, and crop yield under continuous corn and soybean monoculture. <i>Applied Soil Ecology</i> , 2020, 147, 103388.	4.3	41
5	Dynamics of Population Density and Virulence Phenotype of the Soybean Cyst Nematode as Influenced by Resistance Source Sequence and Tillage. <i>Plant Disease</i> , 2020, 104, 2111-2122.	1.4	8
6	In Vitro Screening of a Culturable Soybean Cyst Nematode Cyst Mycobiome for Potential Biological Control Agents and Biopesticides. <i>Phytopathology</i> , 2020, 110, 1388-1397.	2.2	7
7	Fungal communities associated with <i>Heterodera glycines</i> and their potential in biological control: a current update. <i>Journal of Nematology</i> , 2020, 52, 1-17.	0.9	14
8	Genome-wide association study and genomic selection for soybean chlorophyll content associated with soybean cyst nematode tolerance. <i>BMC Genomics</i> , 2019, 20, 904.	2.8	29
9	Seasonal Variation and Crop Sequences Shape the Structure of Bacterial Communities in Cysts of Soybean Cyst Nematode. <i>Frontiers in Microbiology</i> , 2019, 10, 2671.	3.5	26
10	Swine manure application enriches the soil food web in corn and soybean production. <i>Journal of Nematology</i> , 2019, 51, 1-14.	0.9	2
11	Field and greenhouse evaluations of soil suppressiveness to <i>Heterodera glycines</i> in the Midwest corn-soybean production systems. <i>Journal of Nematology</i> , 2019, 51, 1-12.	0.9	0
12	Swine Manure, Nematicides, and Long-Term Tillage Change Soil Ecology in Corn and Soybean Production. <i>Agronomy Journal</i> , 2018, 110, 2288-2301.	1.8	10
13	Mycobiome of Cysts of the Soybean Cyst Nematode Under Long Term Crop Rotation. <i>Frontiers in Microbiology</i> , 2018, 9, 386.	3.5	45
14	Use of Chemical Flocculation and Nested PCR for <i>Heterodera glycines</i> Detection in DNA Extracts from Field Soils with Low Population Densities. <i>Plant Disease</i> , 2017, 101, 1153-1161.	1.4	9
15	Microbial communities in the cysts of soybean cyst nematode affected by tillage and biocide in a suppressive soil. <i>Applied Soil Ecology</i> , 2017, 119, 396-406.	4.3	54
16	Determining the Role of Plant-Parasitic Nematodes in the Corn-Soybean Crop Rotation Yield Effect Using Nematicide Application: II. Soybean. <i>Agronomy Journal</i> , 2016, 108, 1168-1179.	1.8	48
17	Determining the Role of Plant-Parasitic Nematodes in the Corn-Soybean Crop Rotation Yield Effect Using Nematicide Application: I. Corn. <i>Agronomy Journal</i> , 2016, 108, 782-793.	1.8	23
18	Population Genetics of <i>Hirsutella rhossiliensis</i> , a Dominant Parasite of Cyst Nematode Juveniles on a Continental Scale. <i>Applied and Environmental Microbiology</i> , 2016, 82, 6317-6325.	3.1	9

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19	Effect of temperature treatment on survival of <i>Heterodera glycines</i> and its associated fungi and bacteria. <i>Nematology</i> , 2016, 18, 845-855.	0.6	6
20	Genetic structure and parasitization-related ability divergence of a nematode fungal pathogen <i>Hirsutella minnesotensis</i> following founder effect in China. <i>Fungal Genetics and Biology</i> , 2015, 81, 212-220.	2.1	5
21	Functional response of the fungus <i>Hirsutella rhossiliensis</i> to the nematode, <i>Heterodera glycines</i> . <i>Science China Life Sciences</i> , 2015, 58, 704-712.	4.9	1
22	The beneficial root endophyte <i>Piriformospora indica</i> reduces egg density of the soybean cyst nematode. <i>Biological Control</i> , 2015, 90, 193-199.	3.0	37
23	Potential of Association Mapping and Genomic Selection to Explore PI 88788 Derived Soybean Cyst Nematode Resistance. <i>Plant Genome</i> , 2014, 7, plantgenome2013.11.0039.	2.8	63
24	Efficacy of Organic Soil Amendments for Management of <i>Heterodera glycines</i> in Greenhouse Experiments. <i>Journal of Nematology</i> , 2014, 46, 267-74.	0.9	5
25	Preceding Crops Affected Soybean Iron Deficiency Chlorosis and Vesicular Arbuscular Mycorrhizal Fungi in Soybean Cyst Nematode Infested Fields. <i>Crop Science</i> , 2013, 53, 250-259.	1.8	4
26	Effect of soil disturbance and biocides on nematode communities and extracellular enzyme activity in soybean cyst nematode suppressive soil. <i>Nematology</i> , 2011, 13, 687-699.	0.6	15
27	Population dynamics and biocontrol efficacy of the nematophagous fungus <i>Hirsutella rhossiliensis</i> as affected by stage of the soybean cyst nematode. <i>Biological Control</i> , 2008, 47, 244-249.	3.0	18
28	Effect of rotation crops on hatch, viability and development of <i>Heterodera glycines</i> . <i>Nematology</i> , 2008, 10, 869-882.	0.6	24
29	Suppression of <i>Heterodera glycines</i> in soils from fields with long-term soybean monoculture. <i>Biocontrol Science and Technology</i> , 2007, 17, 125-134.	1.3	52
30	Effects of <i>Hirsutella minnesotensis</i> and N-Viro Soil [®] on populations of <i>Meloidogyne hapla</i> . <i>Biocontrol Science and Technology</i> , 2007, 17, 233-246.	1.3	6
31	A novel use of anaerobically digested liquid swine manure to potentially control soybean cyst nematode. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2007, 42, 749-757.	1.5	28
32	Tillage and Crop Sequence Effects on <i>Heterodera glycines</i> and Soybean Yields. <i>Agronomy Journal</i> , 2007, 99, 797-807.	1.8	26
33	Interactions between iron-deficiency chlorosis and soybean cyst nematode in Minnesota soybean fields. <i>Plant and Soil</i> , 2007, 299, 131-139.	3.7	12
34	Detection of the nematophagous fungus <i>Hirsutella rhossiliensis</i> in soil by real-time PCR and parasitism bioassay. <i>Biological Control</i> , 2006, 36, 316-323.	3.0	45
35	Effect of Cover Crops Alfalfa, Red Clover, and Perennial Ryegrass on Soybean Cyst Nematode Population and Soybean and Corn Yields in Minnesota. <i>Crop Science</i> , 2006, 46, 1890-1897.	1.8	19
36	Suppression of <i>Meloidogyne hapla</i> populations by <i>Hirsutella minnesotensis</i> . <i>Biocontrol Science and Technology</i> , 2006, 16, 181-193.	1.3	25

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37	Efficacy of the fungi <i>Hirsutella minnesotensis</i> and <i>H. rhossiliensis</i> from liquid culture for control of the soybean cyst nematode <i>Heterodera glycines</i> . <i>Nematology</i> , 2005, 7, 149-157.	0.6	22
38	Control of the soybean cyst nematode by the fungi <i>Hirsutella rhossiliensis</i> and <i>Hirsutella minnesotensis</i> in greenhouse studies. <i>Biological Control</i> , 2005, 32, 208-219.	3.0	61
39	Effect of the <i>rhg1</i> gene on penetration, development and reproduction of <i>Heterodera glycines</i> race 3. <i>Nematology</i> , 2004, 6, 729-736.	0.6	11
40	Mycofloras in cysts, females, and eggs of the soybean cyst nematode in Minnesota. <i>Applied Soil Ecology</i> , 2002, 19, 35-50.	4.3	46
41	Crop Sequence Effects on Soybean Cyst Nematode and Soybean and Corn Yields. <i>Crop Science</i> , 2001, 41, 1843-1849.	1.8	67