Senyu Chen

List of Publications by Year in descending order

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41	938	394421	454955
papers	citations	19 h-index	30 g-index

41	41	41	710
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Crop Sequence Effects on Soybean Cyst Nematode and Soybean and Corn Yields. Crop Science, 2001, 41, 1843-1849.	1.8	67
2	Potential of Association Mapping and Genomic Selection to Explore PI 88788 Derived Soybean Cyst Nematode Resistance. Plant Genome, 2014, 7, plantgenome2013.11.0039.	2.8	63
3	Control of the soybean cyst nematode by the fungi Hirsutella rhossiliensis and Hirsutella minnesotensis in greenhouse studies. Biological Control, 2005, 32, 208-219.	3.0	61
4	Microbial communities in the cysts of soybean cyst nematode affected by tillage and biocide in a suppressive soil. Applied Soil Ecology, 2017, 119, 396-406.	4.3	54
5	Suppression ofHeterodera glycinesin soils from fields with long-term soybean monoculture. Biocontrol Science and Technology, 2007, 17, 125-134.	1.3	52
6	Determining the Role of Plantâ€Parasitic Nematodes in the Cornâ€“Soybean Crop Rotation Yield Effect Using Nematicide Application: II. Soybean. Agronomy Journal, 2016, 108, 1168-1179.	1.8	48
7	Mycofloras in cysts, females, and eggs of the soybean cyst nematode in Minnesota. Applied Soil Ecology, 2002, 19, 35-50.	4.3	46
8	Detection of the nematophagous fungus Hirsutella rhossiliensis in soil by real-time PCR and parasitism bioassay. Biological Control, 2006, 36, 316-323.	3.0	45
9	Mycobiome of Cysts of the Soybean Cyst Nematode Under Long Term Crop Rotation. Frontiers in Microbiology, 2018, 9, 386.	3.5	45
10	Interactions between soil properties, fungal communities, the soybean cyst nematode, and crop yield under continuous corn and soybean monoculture. Applied Soil Ecology, 2020, 147, 103388.	4.3	41
11	The beneficial root endophyte Piriformospora indica reduces egg density of the soybean cyst nematode. Biological Control, 2015, 90, 193-199.	3.0	37
12	Genome-wide association study and genomic selection for soybean chlorophyll content associated with soybean cyst nematode tolerance. BMC Genomics, 2019, 20, 904.	2.8	29
13	A novel use of anaerobically digested liquid swine manure to potentially control soybean cyst nematode. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2007, 42, 749-757.	1.5	28
14	Tillage and Crop Sequence Effects on Heterodera glycines and Soybean Yields. Agronomy Journal, 2007, 99, 797-807.	1.8	26
15	Seasonal Variation and Crop Sequences Shape the Structure of Bacterial Communities in Cysts of Soybean Cyst Nematode. Frontiers in Microbiology, 2019, 10, 2671.	3.5	26
16	Suppression ofMeloidogyne haplapopulations byHirsutella minnesotensis. Biocontrol Science and Technology, 2006, 16, 181-193.	1.3	25
17	Effect of rotation crops on hatch, viability and development of Heterodera glycines. Nematology, 2008, 10, 869-882.	0.6	24
18	Determining the Role of Plantâ€“Parasitic Nematodes in the Cornâ€“Soybean Crop Rotation Yield Effect Using Nematicide Application: I. Corn. Agronomy Journal, 2016, 108, 782-793.	1.8	23

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19	Efficacy of the fungi Hirsutella minnesotensis and H. rhossiliensis from liquid culture for control of the soybean cyst nematode Heterodera glycines. Nematology, 2005, 7, 149-157.	0.6	22
20	Effect of Cover Crops Alfalfa, Red Clover, and Perennial Ryegrass on Soybean Cyst Nematode Population and Soybean and Corn Yields in Minnesota. Crop Science, 2006, 46, 1890-1897.	1.8	19
21	Population dynamics and biocontrol efficacy of the nematophagous fungus Hirsutella rhossiliensis as affected by stage of the soybean cyst nematode. Biological Control, 2008, 47, 244-249.	3.0	18
22	Effect of soil disturbance and biocides on nematode communities and extracellular enzyme activity in soybean cyst nematode suppressive soil. Nematology, 2011, 13, 687-699.	0.6	15
23	Fungal communities associated with Heterodera glycines and their potential in biological control: a current update. Journal of Nematology, 2020, 52, 1-17.	0.9	14
24	Interactions between iron-deficiency chlorosis and soybean cyst nematode in Minnesota soybean fields. Plant and Soil, 2007, 299, 131-139.	3.7	12
25	Effect of the rhg1 gene on penetration, development and reproduction of Heterodera glycines race 3. Nematology, 2004, 6, 729-736.	0.6	11
26	Swine Manure, Nematicides, and Longâ€Term Tillage Change Soil Ecology in Corn and Soybean Production. Agronomy Journal, 2018, 110, 2288-2301.	1.8	10
27	Population Genetics of Hirsutella rhossiliensis, a Dominant Parasite of Cyst Nematode Juveniles on a Continental Scale. Applied and Environmental Microbiology, 2016, 82, 6317-6325.	3.1	9
28	Use of Chemical Flocculation and Nested PCR for Heterodera glycines Detection in DNA Extracts from Field Soils with Low Population Densities. Plant Disease, 2017, 101, 1153-1161.	1.4	9
29	Dynamics of Population Density and Virulence Phenotype of the Soybean Cyst Nematode as Influenced by Resistance Source Sequence and Tillage. Plant Disease, 2020, 104, 2111-2122.	1.4	8
30	In Vitro Screening of a Culturable Soybean Cyst Nematode Cyst Mycobiome for Potential Biological Control Agents and Biopesticides. Phytopathology, 2020, 110, 1388-1397.	2.2	7
31	Effects ofHirsutella minnesotensisand N-Viro SoilÂ® on populations ofMeloidogyne hapla. Biocontrol Science and Technology, 2007, 17, 233-246.	1.3	6
32	Effect of temperature treatment on survival of Heterodera glycines and its associated fungi and bacteria. Nematology, 2016, 18, 845-855.	0.6	6
33	Growth chamber and greenhouse screening of promising in vitro fungal biological control candidates for the soybean cyst nematode (Heterodera glycines). Biological Control, 2021, 160, 104635.	3.0	6
34	Genetic structure and parasitization-related ability divergence of a nematode fungal pathogen Hirsutella minnesotensis following founder effect in China. Fungal Genetics and Biology, 2015, 81, 212-220.	2.1	5
35	Efficacy of Organic Soil Amendments for Management of Heterodera glycines in Greenhouse Experiments. Journal of Nematology, 2014, 46, 267-74.	0.9	5
36	Soybean Cyst Nematode Population Development and Its Effect on Pennycress in a Greenhouse Study. Journal of Nematology, 2022, 54, .	0.9	5

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37	Preceding Crops Affected Soybean Ironâ€Deficiency Chlorosis and Vesiculârâ€Arbuscular Mycorrhizal Fungi in Soybean Cyst Nematodeâ€Infested Fields. Crop Science, 2013, 53, 250-259.	1.8	4
38	Interactive Effects of Soybean Cyst Nematode, Arbuscular-Mycorrhizal Fungi, and Soil pH on Chlorophyll Content and Plant Growth of Soybean. Phytobiomes Journal, 2022, 6, 95-105.	2.7	4
39	Swine manure application enriches the soil food web in corn and soybean production. Journal of Nematology, 2019, 51, 1-14.	0.9	2
40	Functional response of the fungus Hirsutella rhossiliensis to the nematode, Heterodera glycines. Science China Life Sciences, 2015, 58, 704-712.	4.9	1
41	Field and greenhouse evaluations of soil suppressiveness to Heterodera glycines in the Midwest corn-soybean production systems. Journal of Nematology, 2019, 51, 1-12.	0.9	0