

# Sheridan Woo

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1730472/publications.pdf>

Version: 2024-02-01

95  
papers

8,668  
citations

57758

44  
h-index

45317

90  
g-index

95  
all docs

95  
docs citations

95  
times ranked

5771  
citing authors

#	ARTICLE	IF	CITATIONS
1	Trichoderma-plant-pathogen interactions. <i>Soil Biology and Biochemistry</i> , 2008, 40, 1-10.	8.8	932
2	Translational Research on <i>Trichoderma</i> : From 'Omics to the Field. <i>Annual Review of Phytopathology</i> , 2010, 48, 395-417.	7.8	545
3	Trichoderma-based Products and their Widespread Use in Agriculture. <i>The Open Mycology Journal</i> , 2014, 8, 71-126.	0.8	451
4	A novel role for Trichoderma secondary metabolites in the interactions with plants. <i>Physiological and Molecular Plant Pathology</i> , 2008, 72, 80-86.	2.5	441
5	Genes from mycoparasitic fungi as a source for improving plant resistance to fungal pathogens. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 7860-7865.	7.1	403
6	Chitinolytic Enzymes Produced by <i>Trichoderma harzianum</i> : Antifungal Activity of Purified Endochitinase and Chitobiosidase. <i>Phytopathology</i> , 1993, 83, 302.	2.2	308
7	The Molecular Biology of the Interactions Between <i>Trichoderma</i> spp., Phytopathogenic Fungi, and Plants. <i>Phytopathology</i> , 2006, 96, 181-185.	2.2	301
8	Study of the three-way interaction between <i>Trichoderma atroviride</i> , plant and fungal pathogens by using a proteomic approach. <i>Current Genetics</i> , 2006, 50, 307-321.	1.7	247
9	Chitinase Gene Expression during Mycoparasitic Interaction of <i>Trichoderma harzianum</i> with Its Host. <i>Fungal Genetics and Biology</i> , 1999, 26, 131-140.	2.1	231
10	Trichoderma-Based Biostimulants Modulate Rhizosphere Microbial Populations and Improve N Uptake Efficiency, Yield, and Nutritional Quality of Leafy Vegetables. <i>Frontiers in Plant Science</i> , 2018, 9, 743.	3.6	224
11	Organic Amendments, Beneficial Microbes, and Soil Microbiota: Toward a Unified Framework for Disease Suppression. <i>Annual Review of Phytopathology</i> , 2018, 56, 1-20.	7.8	215
12	Microbial Consortia: Promising Probiotics as Plant Biostimulants for Sustainable Agriculture. <i>Frontiers in Plant Science</i> , 2018, 9, 1801.	3.6	204
13	Trichoderma Secondary Metabolites Active on Plants and Fungal Pathogens. <i>The Open Mycology Journal</i> , 2014, 8, 127-139.	0.8	188
14	In Vivo Study of <i>Trichoderma</i> -Pathogen-Plant Interactions, Using Constitutive and Inducible Green Fluorescent Protein Reporter Systems. <i>Applied and Environmental Microbiology</i> , 2004, 70, 3073-3081.	3.1	157
15	Improvement of the Fungal Biocontrol Agent <i>Trichoderma atroviride</i> To Enhance both Antagonism and Induction of Plant Systemic Disease Resistance. <i>Applied and Environmental Microbiology</i> , 2005, 71, 3959-3965.	3.1	148
16	Root Exudates of Stressed Plants Stimulate and Attract <i>Trichoderma</i> Soil Fungi. <i>Molecular Plant-Microbe Interactions</i> , 2018, 31, 982-994.	2.6	147
17	Expression of Two Major Chitinase Genes of <i>Trichoderma atroviride</i> ( <i>T. harzianum</i> P1) Is Triggered by Different Regulatory Signals. <i>Applied and Environmental Microbiology</i> , 1999, 65, 1858-1863.	3.1	142
18	Identification of a New Biocontrol Gene in <i>Trichoderma atroviride</i> : The Role of an ABC Transporter Membrane Pump in the Interaction with Different Plant-Pathogenic Fungi. <i>Molecular Plant-Microbe Interactions</i> , 2009, 22, 291-301.	2.6	139

#	ARTICLE	IF	CITATIONS
19	Harzianic acid: a novel siderophore from <i>Trichoderma harzianum</i> . FEMS Microbiology Letters, 2013, 347, n/a-n/a.	1.8	139
20	Trichoderma and its secondary metabolites improve yield and quality of grapes. Crop Protection, 2017, 92, 176-181.	2.1	135
21	Synergistic Interaction Between Cell Wall Degrading Enzymes and Membrane Affecting Compounds. Molecular Plant-Microbe Interactions, 1996, 9, 206.	2.6	135
22	Disruption of the ech42 (Endochitinase-Encoding) Gene Affects Biocontrol Activity in <i>Trichoderma harzianum</i> P1. Molecular Plant-Microbe Interactions, 1999, 12, 419-429.	2.6	126
23	Modulation of Tomato Response to <i>Rhizoctonia solani</i> by <i>Trichoderma harzianum</i> and Its Secondary Metabolite Harzianic Acid. Frontiers in Microbiology, 2018, 9, 1966.	3.5	126
24	Transcriptome and Metabolome Reprogramming in Tomato Plants by <i>Trichoderma harzianum</i> strain T22 Primes and Enhances Defense Responses Against Aphids. Frontiers in Physiology, 2019, 10, 745.	2.8	116
25	Factors affecting the production of <i>Trichoderma harzianum</i> secondary metabolites during the interaction with different plant pathogens. Letters in Applied Microbiology, 2009, 48, 705-11.	2.2	114
26	Genetically Closely Related but Phenotypically Divergent <i>Trichoderma</i> Species Cause Green Mold Disease in Oyster Mushroom Farms Worldwide. Applied and Environmental Microbiology, 2007, 73, 7415-7426.	3.1	111
27	Multiple Roles and Effects of a Novel <i>Trichoderma</i> Hydrophobin. Molecular Plant-Microbe Interactions, 2015, 28, 167-179.	2.6	100
28	Effect of some rare earth elements on the growth and lanthanide accumulation in different <i>Trichoderma</i> strains. Soil Biology and Biochemistry, 2009, 41, 2406-2413.	8.8	95
29	A Novel Fungal Metabolite with Beneficial Properties for Agricultural Applications. Molecules, 2014, 19, 9760-9772.	3.8	89
30	Proteinase Inhibitors from Plants As a Novel Class of Fungicides. Molecular Plant-Microbe Interactions, 1994, 7, 525.	2.6	87
31	Secondary metabolites from the endophytic fungus <i>Talaromyces pinophilus</i> . Natural Product Research, 2017, 31, 1778-1785.	1.8	85
32	Systematic Numbering of Vegetative Compatibility Groups in the Plant Pathogenic Fungus <i>Fusarium oxysporum</i> . Phytopathology, 1998, 88, 30-32.	2.2	76
33	<i>Pseudomonas</i> Lipodepsipeptides and Fungal Cell Wall-Degrading Enzymes Act Synergistically in Biological Control. Molecular Plant-Microbe Interactions, 2002, 15, 323-333.	2.6	70
34	<i>Trichoderma harzianum</i> enhances tomato indirect defense against aphids. Insect Science, 2017, 24, 1025-1033.	3.0	69
35	Calcium-mediated perception and defense responses activated in plant cells by metabolite mixtures secreted by the biocontrol fungus <i>Trichoderma atroviride</i> . BMC Plant Biology, 2007, 7, 41.	3.6	68
36	Confusion Abounds Over Identities of <i>Trichoderma</i> Biocontrol Isolates. Mycological Research, 2001, 105, 770-772.	2.5	67

#	ARTICLE	IF	CITATIONS
37	<i>Trichoderma</i> Secondary Metabolites that Affect Plant Metabolism. Natural Product Communications, 2012, 7, 1934578X1200701.	0.5	67
38	Application of <i>Trichoderma</i> Strains and Metabolites Enhances Soybean Productivity and Nutrient Content. Journal of Agricultural and Food Chemistry, 2019, 67, 1814-1822.	5.2	67
39	Trichoderma: A Multi-Purpose Tool for Integrated Pest Management. , 2015, , 345-353.		65
40	Metabolomics by Proton High-Resolution Magic-Angle-Spinning Nuclear Magnetic Resonance of Tomato Plants Treated with Two Secondary Metabolites Isolated from <i>Trichoderma</i> . Journal of Agricultural and Food Chemistry, 2016, 64, 3538-3545.	5.2	56
41	Appraisal of Combined Applications of <i>Trichoderma virens</i> and a Biopolymer-Based Biostimulant on Lettuce Agronomical, Physiological, and Qualitative Properties under Variable N Regimes. Agronomy, 2020, 10, 196.	3.0	56
42	Co-Culture of Plant Beneficial Microbes as Source of Bioactive Metabolites. Scientific Reports, 2017, 7, 14330.	3.3	55
43	Cremenolide, a new antifungal, 10-member lactone from <i>Trichoderma cremeum</i> with plant growth promotion activity. Natural Product Research, 2016, 30, 2575-2581.	1.8	51
44	<i>Trichoderma atroviride</i> P1 Colonization of Tomato Plants Enhances Both Direct and Indirect Defense Barriers Against Insects. Frontiers in Physiology, 2019, 10, 813.	2.8	51
45	Cerinolactone, a Hydroxy-Lactone Derivative from <i>Trichoderma cerinum</i> . Journal of Natural Products, 2012, 75, 103-106.	3.0	49
46	<i>Trichoderma</i> Applications on Strawberry Plants Modulate the Physiological Processes Positively Affecting Fruit Production and Quality. Frontiers in Microbiology, 2020, 11, 1364.	3.5	49
47	Application of <i>Trichoderma harzianum</i> , 6-Pentyl- $\delta$ -pyrone and Plant Biopolymer Formulations Modulate Plant Metabolism and Fruit Quality of Plum Tomatoes. Plants, 2020, 9, 771.	3.5	46
48	EXPLOITING THE INTERACTIONS BETWEEN FUNGAL ANTAGONISTS, PATHOGENS AND THE PLANT FOR BIOCONTROL. , 2007, , 107-130.		41
49	Gate crashing arbuscular mycorrhizas: <i>in vivo</i> imaging shows the extensive colonization of both symbionts by <i>Trichoderma atroviride</i> . Environmental Microbiology Reports, 2015, 7, 64-77.	2.4	41
50	Biochars from olive mill waste have contrasting effects on plants, fungi and phytoparasitic nematodes. PLoS ONE, 2018, 13, e0198728.	2.5	40
51	Effect of <i>Trichoderma velutinum</i> and <i>Rhizoctonia solani</i> on the Metabolome of Bean Plants ( <i>Phaseolus vulgaris</i> L.). International Journal of Molecular Sciences, 2019, 20, 549.	4.1	36
52	Seed Treatments with Microorganisms Can Have a Biostimulant Effect by Influencing Germination and Seedling Growth of Crops. Plants, 2022, 11, 259.	3.5	35
53	Integrated management strategies of <i>Meloidogyne incognita</i> and <i>Pseudopyrenochaeta lycopersici</i> on tomato using a <i>Bacillus firmus</i> -based product and two synthetic nematicides in two consecutive crop cycles in greenhouse. Crop Protection, 2019, 122, 159-164.	2.1	30
54	Four potato ( <i>Solanum tuberosum</i> ) ABCG transporters and their expression in response to abiotic factors and <i>Phytophthora infestans</i> infection. Journal of Plant Physiology, 2011, 168, 2225-2233.	3.5	28

#	ARTICLE	IF	CITATIONS
55	Can Trichoderma-Based Biostimulants Optimize N Use Efficiency and Stimulate Growth of Leafy Vegetables in Greenhouse Intensive Cropping Systems?. <i>Agronomy</i> , 2020, 10, 121.	3.0	28
56	Selection of Endophytic <i>Beauveria bassiana</i> as a Dual Biocontrol Agent of Tomato Pathogens and Pests. <i>Pathogens</i> , 2021, 10, 1242.	2.8	28
57	Plant Dynamic Metabolic Response to Bacteriophage Treatment After <i>Xanthomonas campestris</i> pv. <i>campestris</i> Infection. <i>Frontiers in Microbiology</i> , 2020, 11, 732.	3.5	25
58	<i>Diplotaxis tenuifolia</i> (L.) DC. Yield and Quality as Influenced by Cropping Season, Protein Hydrolysates, and <i>Trichoderma</i> Applications. <i>Plants</i> , 2020, 9, 697.	3.5	25
59	Biostimulant Activity of <i>Azotobacter chroococcum</i> and <i>Trichoderma harzianum</i> in Durum Wheat under Water and Nitrogen Deficiency. <i>Agronomy</i> , 2021, 11, 380.	3.0	25
60	Potential of genes and gene products from <i>Trichoderma</i> sp. and <i>Gliocladium</i> sp. for the development of biological pesticides. <i>Molecular Biotechnology</i> , 1994, 2, 209-217.	2.4	24
61	Inhibitory effect of trichodermanone C, a sorbicillinoid produced by <i>Trichoderma citrinoviride</i> associated to the green alga <i>Cladophora</i> sp., on nitrite production in LPS-stimulated macrophages. <i>Natural Product Research</i> , 2019, 33, 3389-3397.	1.8	24
62	Temperature Differentially Influences the Capacity of <i>Trichoderma</i> Species to Induce Plant Defense Responses in Tomato Against Insect Pests. <i>Frontiers in Plant Science</i> , 2021, 12, 678830.	3.6	24
63	Effect of <i>Trichoderma</i> Bioactive Metabolite Treatments on the Production, Quality, and Protein Profile of Strawberry Fruits. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 7246-7258.	5.2	24
64	Biochar chemistry defined by <sup>13</sup> C-CPMAS NMR explains opposite effects on soilborne microbes and crop plants. <i>Applied Soil Ecology</i> , 2018, 124, 351-361.	4.3	22
65	Bioformulations with Beneficial Microbial Consortia, a Bioactive Compound and Plant Biopolymers Modulate Sweet Basil Productivity, Photosynthetic Activity and Metabolites. <i>Pathogens</i> , 2021, 10, 870.	2.8	22
66	Endophytic Fungi of Tomato and Their Potential Applications for Crop Improvement. <i>Agriculture (Switzerland)</i> , 2020, 10, 587.	3.1	20
67	Autotrophic and Heterotrophic Growth Conditions Modify Biomolecule Production in the Microalga <i>Galdieria sulphuraria</i> (Cyanidiophyceae, Rhodophyta). <i>Marine Drugs</i> , 2020, 18, 169.	4.6	18
68	Effects of Lentil Genotype on the Colonization of Beneficial <i>Trichoderma</i> Species and Biocontrol of <i>Aphanomyces</i> Root Rot. <i>Microorganisms</i> , 2020, 8, 1290.	3.6	17
69	Proteomic Approaches to Understand <i>Trichoderma</i> Biocontrol Mechanisms and Plant Interactions. <i>Current Proteomics</i> , 2010, 7, 298-305.	0.3	16
70	Pea-Wheat Rotation Affects Soil Microbiota Diversity, Community Structure, and Soilborne Pathogens. <i>Microorganisms</i> , 2022, 10, 370.	3.6	16
71	The Application of <i>Trichoderma</i> Strains or Metabolites Alters the Olive Leaf Metabolome and the Expression of Defense-Related Genes. <i>Journal of Fungi (Basel, Switzerland)</i> , 2020, 6, 369.	3.5	15
72	Mineral Biofortification and Growth Stimulation of Lentil Plants Inoculated with <i>Trichoderma</i> Strains and Metabolites. <i>Microorganisms</i> , 2022, 10, 87.	3.6	15

#	ARTICLE	IF	CITATIONS
73	Trichoderma Enzymes for Degradation of Aflatoxin B1 and Ochratoxin A. <i>Molecules</i> , 2022, 27, 3959.	3.8	14
74	Mode of action and antifungal properties of two cold-adapted chitinases. <i>Extremophiles</i> , 2003, 7, 385-390.	2.3	13
75	Antimicrobial activity of harzianic acid against <i>Staphylococcus pseudintermedius</i> . <i>Natural Product Research</i> , 2021, 35, 5440-5445.	1.8	13
76	Chlamyphilone, a Novel Pochonia chlamydosporia Metabolite with Insecticidal Activity. <i>Molecules</i> , 2019, 24, 750.	3.8	12
77	The Union Is Strength: The Synergic Action of Long Fatty Acids and a Bacteriophage against <i>Xanthomonas campestris</i> Biofilm. <i>Microorganisms</i> , 2021, 9, 60.	3.6	11
78	Methods for Electrophoretic Karyotyping of Filamentous Fungi in the Genus <i>Trichoderma</i> . <i>Analytical Biochemistry</i> , 1993, 209, 176-182.	2.4	10
79	Mode of action and efficacy of iprodione against the root-knot nematode <i>Meloidogyne incognita</i> . <i>Annals of Applied Biology</i> , 2017, 171, 506-510.	2.5	10
80	Antibiofilm Activity of a <i>Trichoderma</i> Metabolite against <i>Xanthomonas campestris</i> pv. <i>campestris</i> , Alone and in Association with a Phage. <i>Microorganisms</i> , 2020, 8, 620.	3.6	10
81	Compost and microbial biostimulant applications improve plant growth and soil biological fertility of a grass-based phytostabilization system. <i>Environmental Geochemistry and Health</i> , 2023, 45, 787-807.	3.4	10
82	An ultrastructural study of the mature spermatozoid of the fern <i>Asplenium trichomanes</i> L. subsp. <i>trichomanes</i> . <i>Sexual Plant Reproduction</i> , 1997, 10, 142-148.	2.2	9
83	Role of phage $\Phi$ 1 in two strains of <i>Salmonella</i> Rissen, sensitive and resistant to phage $\Phi$ 1. <i>BMC Microbiology</i> , 2018, 18, 208.	3.3	8
84	A Survey of Endophytic Fungi Associated with High-Risk Plants Imported for Ornamental Purposes. <i>Agriculture (Switzerland)</i> , 2020, 10, 643.	3.1	8
85	Metabolites produced by <i>Gnomoniopsis castanea</i> associated with necrosis of chestnut galls. <i>Chemical and Biological Technologies in Agriculture</i> , 2014, 1, .	4.6	7
86	Securing of an Industrial Soil Using Turfgrass Assisted by Biostimulants and Compost Amendment. <i>Agronomy</i> , 2020, 10, 1310.	3.0	7
87	Heterologous Expression of PKPI and Pin1 Proteinase Inhibitors Enhances Plant Fitness and Broad-Spectrum Resistance to Biotic Threats. <i>Frontiers in Plant Science</i> , 2020, 11, 461.	3.6	7
88	<i>Trichoderma</i> spp. and a carob ( <i>Ceratonia siliqua</i> ) galactomannan to control the root-knot nematode <i>Meloidogyne incognita</i> on tomato plants. <i>Canadian Journal of Plant Pathology</i> , 2021, 43, 267-274.	1.4	7
89	Combined Biostimulant Applications of <i>Trichoderma</i> spp. with Fatty Acid Mixtures Improve Biocontrol Activity, Horticultural Crop Yield and Nutritional Quality. <i>Agronomy</i> , 2022, 12, 275.	3.0	7
90	Ultrastructural features of spermatocytes and spermatozoids in the fern <i>Phyllitis scolopendrium</i> (L.) Newm. subsp. <i>scolopendrium</i> . <i>Sexual Plant Reproduction</i> , 2000, 12, 323-331.	2.2	6

#	ARTICLE	IF	CITATIONS
91	Combination of the Systemin peptide with the beneficial fungus <i>Trichoderma afroharzianum</i> T22 improves plant defense responses against pests and diseases. <i>Journal of Plant Interactions</i> , 2022, 17, 569-579.	2.1	6
92	NEMATICIDAL EFFICACY OF NEW ABAMECTIN-BASED PRODUCTS USED ALONE AND IN COMBINATION WITH INDOLEBUTYRIC ACID AGAINST THE ROOT-KNOT NEMATODE MELOIDOGYNE INCOGNITA. <i>Redia</i> , 0, , 95-101.	0.4	5
93	ACTIVITY OF CHESTNUT TANNINS AGAINST THE SOUTHERN ROOT-KNOT NEMATODE MELOIDOGYNE INCOGNITA. <i>Redia</i> , 0, , 53-59.	0.4	3
94	Editorial: Designing Bio-Formulations Based on Organic Amendments, Beneficial Microbes and Their Metabolites. <i>Frontiers in Microbiology</i> , 2021, 12, 832149.	3.5	2
95	ROOT KNOT DISEASE CAUSED BY MELOIDOGYNE INCOGNITA (KOFOID & WHITE, 1919) CHITWOOD, 1949 (NEMATODA, MELOIDOGYNIDAE) ON TOMATO GROWN IN SOIL-LESS CROPS IN ITALY. <i>Redia</i> , 0, , 25-28.	0.4	1