

Sam E Wortman

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10102/publications.pdf>

Version: 2024-02-01

41
papers

1,099
citations

361296

20
h-index

414303

32
g-index

41
all docs

41
docs citations

41
times ranked

1153
citing authors

#	ARTICLE	IF	CITATIONS
1	Environmental Challenges Threatening the Growth of Urban Agriculture in the United States. <i>Journal of Environmental Quality</i> , 2013, 42, 1283-1294.	1.0	141
2	Optimizing Cover Crop Benefits with Diverse Mixtures and an Alternative Termination Method. <i>Agronomy Journal</i> , 2012, 104, 1425-1435.	0.9	112
3	Cover Crop Mixtures for the Western Corn Belt: Opportunities for Increased Productivity and Stability. <i>Agronomy Journal</i> , 2012, 104, 699-705.	0.9	93
4	Crop physiological response to nutrient solution electrical conductivity and pH in an ebb-and-flow hydroponic system. <i>Scientia Horticulturae</i> , 2015, 194, 34-42.	1.7	89
5	Arable weeds, cover crops, and tillage drive soil microbial community composition in organic cropping systems. <i>Applied Soil Ecology</i> , 2013, 72, 232-241.	2.1	59
6	Mechanical Termination of Diverse Cover Crop Mixtures for Improved Weed Suppression in Organic Cropping Systems. <i>Weed Science</i> , 2013, 61, 162-170.	0.8	48
7	Integrating Weed and Vegetable Crop Management with Multifunctional Air-Propelled Abrasive Grits. <i>Weed Technology</i> , 2014, 28, 243-252.	0.4	42
8	Benchmarking the Agronomic Performance of Biodegradable Mulches against Polyethylene Mulch Film: A Meta-Analysis. <i>Agronomy</i> , 2020, 10, 1618.	1.3	42
9	Ecosystem services and tradeoffs in the home food gardens of African American, Chinese-origin and Mexican-origin households in Chicago, IL. <i>Renewable Agriculture and Food Systems</i> , 2017, 32, 69-86.	0.8	37
10	Soil fertility and crop yields in long-term organic and conventional cropping systems in Eastern Nebraska. <i>Renewable Agriculture and Food Systems</i> , 2012, 27, 200-216.	0.8	32
11	Increased weed diversity, density and above-ground biomass in long-term organic crop rotations. <i>Renewable Agriculture and Food Systems</i> , 2010, 25, 281-295.	0.8	31
12	Biodegradable Plastic and Fabric Mulch Performance in Field and High Tunnel Cucumber Production. <i>HortTechnology</i> , 2016, 26, 148-155.	0.5	29
13	Weedy fallow as an alternative strategy for reducing nitrogen loss from annual cropping systems. <i>Agronomy for Sustainable Development</i> , 2016, 36, 1.	2.2	29
14	Comparison of Organic and Integrated Nutrient Management Strategies for Reducing Soil N ₂ O Emissions. <i>Sustainability</i> , 2017, 9, 510.	1.6	28
15	First-Season Crop Yield Response to Organic Soil Amendments: A Meta-Analysis. <i>Agronomy Journal</i> , 2017, 109, 1210-1217.	0.9	27
16	Integrating Management of Soil Nitrogen and Weeds. <i>Weed Science</i> , 2011, 59, 162-170.	0.8	26
17	Degradation Rate of Bio-based Agricultural Mulch is Influenced by Mulch Composition and Biostimulant Application. <i>Journal of Polymers and the Environment</i> , 2019, 27, 498-509.	2.4	25
18	Assessing the potential for spunbond, nonwoven biodegradable fabric as mulches for tomato and bell pepper crops. <i>Scientia Horticulturae</i> , 2015, 193, 209-217.	1.7	24

#	ARTICLE	IF	CITATIONS
19	Air-propelled abrasive grits reduce weed abundance and increase yields in organic vegetable production. <i>Crop Protection</i> , 2015, 77, 157-162.	1.0	24
20	Species-specific Contributions to Productivity and Weed Suppression in Cover Crop Mixtures. <i>Agronomy Journal</i> , 2017, 109, 2808-2819.	0.9	23
21	Crop physiological response across the Chicago metropolitan region: Developing recommendations for urban and peri-urban farmers in the North Central US. <i>Renewable Agriculture and Food Systems</i> , 2015, 30, 8-14.	0.8	21
22	Local Conditions, Not Regional Gradients, Drive Demographic Variation of Giant Ragweed (<i>Ambrosia trifida</i>) and Common Sunflower (<i>Helianthus annuus</i>) Across Northern U.S. Maize Belt. <i>Weed Science</i> , 2012, 60, 440-450.	0.8	18
23	End-of-Life Management Options for Agricultural Mulch Films in the United States—A Review. <i>Frontiers in Sustainable Food Systems</i> , 0, 6, .	1.8	14
24	Nitrogenase Activity and Nodule Biomass of Cowpea (<i>Vigna unguiculata</i> L. Walp.) Decrease in Cover Crop Mixtures. <i>Communications in Soil Science and Plant Analysis</i> , 2015, 46, 1443-1457.	0.6	13
25	Biocomposites of Low-Density Polyethylene Plus Wood Flour or Flax Straw: Biodegradation Kinetics across Three Environments. <i>Polymers</i> , 2021, 13, 2138.	2.0	13
26	Raised Beds for Vegetable Production in Urban Agriculture. <i>Urban Agriculture & Regional Food Systems</i> , 2018, 3, 1-10.	0.6	10
27	Effects of compost, cover crops, and local conditions on degradation of two agricultural mulches in soil. <i>Renewable Agriculture and Food Systems</i> , 2022, 37, 128-141.	0.8	7
28	Evaluating Cultivars for Organic Farming: Maize, Soybean, and Wheat Genotype by System Interactions in Eastern Nebraska. <i>Agroecology and Sustainable Food Systems</i> , 2013, 37, 915-932.	1.0	6
29	Nitrogen provisioned and recycled by cover crops in monoculture and mixture across two organic farms. <i>Nutrient Cycling in Agroecosystems</i> , 2019, 115, 441-453.	1.1	6
30	An Early-Killed Rye (<i>Secale cereale</i>) Cover Crop Has Potential for Weed Management in Edamame (<i>Glycine max</i>). <i>Weed Science</i> , 2018, 66, 502-507.	0.8	5
31	Abrasive Grit Application in Organic Red Pepper: An Opportunity for Integrating Nitrogen and Weed Management. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2019, 54, 1509-1516.	0.5	5
32	Profitability of abrasive weeding in organic grain and vegetable crops. <i>Renewable Agriculture and Food Systems</i> , 2020, 35, 215-220.	0.8	3
33	Field pennycress (<i>Thlaspi arvense</i> L.) has potential as an interseeded cover crop. <i>Renewable Agriculture and Food Systems</i> , 2020, 35, 594-598.	0.8	3
34	A new method for detecting microfragments of biodegradable mulch films containing poly(butylene) Tj ETQq0 0,0 rgBT /Oxerlock 10	1.0	3
35	Post-termination Effects of Cover Crop Monocultures and Mixtures on Soil Inorganic Nitrogen and Microbial Communities on Two Organic Farms in Illinois. <i>Frontiers in Soil Science</i> , 2022, 2, .	0.8	3
36	Using Abrasive Grit for Weed Management in Field Crops. , 2018, , .		2

#	ARTICLE	IF	CITATIONS
37	Organic fertilizer abrasive grits increase soil available nitrogen, plant height, and biomass. , 2020, 3, e20091.		2
38	Proof of concept for growing lettuce and carrot in a biobased mulch membrane. Renewable Agriculture and Food Systems, 2021, 36, 121-125.	0.8	2
39	Weed Suppressive Potential of Sudangrass is Driven by Interactions of Root Exudates and Decomposing Shoot Residue. Crop Management, 2014, 13, CM-2013-0037-RS.	0.3	1
40	Abrasive Weeding as a Vehicle for Precision Fertilizer Management in Organic Vegetable Production. HortTechnology, 2021, 31, 136-143.	0.5	1
41	The Vegetable Variety Navigator Decision-support Tool: An Interactive Visualization of Variety Trial Meta-analysis Results. HortTechnology, 2021, 31, 535-541.	0.5	0