James J Stapleton

List of Publications by Year
in descending order

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46 papers	1,490 citations	304743 22 h-index	315739 38 g-index
46 all docs	46 docs citations	46 times ranked	907 citing authors

#	Article	IF	Citations
1	Biosolarization restructures soil bacterial communities and decreases parasitic nematode populations. Applied Soil Ecology, 2022, 172, 104343.	4.3	6
2	Almond processing residues as a source of organic acid biopesticides during biosolarization. Waste Management, 2020, 101, 74-82.	7.4	32
3	Structural changes in bacterial and fungal soil microbiome components during biosolarization as related to volatile fatty acid accumulation. Applied Soil Ecology, 2020, 153, 103602.	4.3	10
4	Changes of Fusarium oxysporum f.sp. lactucae levels and soil microbial community during soil biosolarization using chitin as soil amendment. PLoS ONE, 2020, 15, e0232662.	2.5	23
5	Effect of management of organic wastes on inactivation of Brassica nigra and Fusarium oxysporum f.sp. lactucae using soil biosolarization. Pest Management Science, 2018, 74, 1892-1902.	3.4	25
6	Effects of Short-Term Biosolarization Using Mature Compost and Industrial Tomato Waste Amendments on the Generation and Persistence of Biocidal Soil Conditions and Subsequent Tomato Growth. Journal of Agricultural and Food Chemistry, 2018, 66, 5451-5461.	5.2	15
7	Assessment of Two Solid Anaerobic Digestate Soil Amendments for Effects on Soil Quality and Biosolarization Efficacy. Journal of Agricultural and Food Chemistry, 2017, 65, 3434-3442.	5.2	46
8	Comparison of soil biosolarization with mesophilic and thermophilic solid digestates on soil microbial quantity and diversity. Applied Soil Ecology, 2017, 119, 183-191.	4.3	18
9	Weed seed inactivation in soil mesocosms via biosolarization with mature compost and tomato processing waste amendments. Pest Management Science, 2017, 73, 862-873.	3.4	42
10	A life cycle assessment of biosolarization as a valorization pathway for tomato pomace utilization in California. Journal of Cleaner Production, 2017, 141, 146-156.	9.3	27
11	Effect of Partially Stabilized Organic Amendments on Volatile Acids Production and Pest Inactivation using Soil Biosolarization. , 2017, , .		4
12	Development and validation of a Weibullâ€“Arrhenius model to predict thermal inactivation of black mustard (Brassica nigra) seeds under fluctuating temperature regimens. Biosystems Engineering, 2016, 151, 350-360.	4.3	10
13	The role of organic matter amendment level on soil heating, organic acid accumulation, and development of bacterial communities in solarized soil. Applied Soil Ecology, 2016, 106, 37-46.	4.3	48
14	Assessment of tomato and wine processing solid wastes as soil amendments for biosolarization. Waste Management, 2016, 48, 156-164.	7.4	56
15	Characterization of bacterial communities in solarized soil amended with lignocellulosic organic matter. Applied Soil Ecology, 2014, 73, 97-104.	4.3	37
16	Managing compost stability and amendment to soil to enhance soil heating during soil solarization. Waste Management, 2013, 33, 1090-1096.	7.4	49
17	Economic Analysis of Three Soil-Surface Practices for Production of Fresh Market Tomato (Solanum) Tj ETQq1 1 0.784314 rgBT /Over	1.7	0
18	Feasibility of solar tents for inactivating weedy plant propagative material. Journal of Pest Science, 2012, 85, 17-21.	3.7	2

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19	Deleterious activity of cultivated grasses (Poaceae) and residues on soilborne fungal, nematode and weed pests. Phytoparasitica, 2010, 38, 61-69.	1.2	22
20	Population dynamics of arthropods associated with early-season tomato plants as influenced by soil surface microenvironment. Crop Protection, 2010, 29, 249-254.	2.1	23
21	Sudex cover crops can kill and stunt subsequent tomato, lettuce and broccoli transplants through allelopathy. California Agriculture, 2009, 63, 35-40.	0.8	12
22	Biomass crops can be used for biological disinfestation and remediation of soils and water. California Agriculture, 2009, 63, 41-46.	0.8	23
23	Biofuels:. California Agriculture, 2009, 63, 155-158.	0.8	1
24	Interaction effects of Allium spp. residues, concentrations and soil temperature on seed germination of four weedy plant species. Applied Soil Ecology, 2007, 37, 233-239.	4.3	25
25	Time and Temperature Requirements for Weed Seed Thermal Death. Weed Science, 2007, 55, 619-625.	1.5	92
26	Aphid and Aphid-Borne Virus Management. , 2007, , 17-20.		1
27	Silverleaf Whitefly Management Using Reflective Plastic and Wheat Straw Mulch. , 2007, , 606-609.		0
28	Methyl bromide alternatives â€¦ Soil solarization provides weed control for limited-resource and organic growers in warmer climates. California Agriculture, 2005, 59, 84-89.	0.8	29
29	Mulches reduce aphid-borne viruses and whiteflies in cantaloupe. California Agriculture, 2005, 59, 90-94.	0.8	19
30	Management of Aphid-Borne Viruses andBemisia argentifolii(Homoptera: Aleyrodidae) in Zucchini Squash by Using Uv Reflective Plastic and Wheat Straw Mulches. Environmental Entomology, 2004, 33, 1447-1457.	1.4	59
31	Reflective mulches for management of aphids and aphid-borne virus diseases in late-season cantaloupe (Cucumis melo L. var. cantalupensis). Crop Protection, 2002, 21, 891-898.	2.1	57
32	Use of UV reflective mulch to delay the colonization and reduce the severity of Bemisia argentifolii (Homoptera: Aleyrodidae) infestations in cucurbits. Crop Protection, 2002, 21, 921-928.	2.1	42
33	High Temperature Solarization for Production of Weed-free Container Soils and Potting Mixes. HortTechnology, 2002, 12, 697-700.	0.9	16
34	Solarization. , 2002, , .		0
35	Aphid and Aphid-Borne Virus Managementâ€šÃ„Ã®Control of Squash Diseases. , 2002, , .		0
36	Silverleaf Whitefly Management Using Reflective Plastic and Wheat Straw Mulch. , 2002, , .		0

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37	Glasshouse studies on the effects of time, temperature and amendment of soil with broccoli plant residues on the infestation of melon plants by Meloidogyne incognita and M. javanica. Nematology, 2001, 3, 855-861.	0.6	48
38	Soil solarization in various agricultural production systems. Crop Protection, 2000, 19, 837-841.	2.1	195
39	Solarization and biofumigation help disinfest soil. California Agriculture, 2000, 54, 42-45.	0.8	30
40	Fumigation and Solarization Practice in Plasticulture Systems. HortTechnology, 1996, 6, 189-192.	0.9	16
41	Population dynamics of epiphytic mycoflora and occurrence of bunch rots of wine grapes as influenced by leaf removal. Plant Pathology, 1995, 44, 956-965.	2.4	35
42	Comparison of Sprayable and Film Mulches in Delaying the Onset of Aphid-Transmitted Virus Diseases in Zucchini Squash. Plant Disease, 1995, 79, 1126.	1.4	46
43	Leaf removal improves fungicide control of powdery mildew in SJV grapes. California Agriculture, 1995, 49, 33-36.	0.8	3
44	Leaf Removal for Nonchemical Control of the Summer Bunch Rot Complex of Wine Grapes in the San Joaquin Valley. Plant Disease, 1992, 76, 205.	1.4	20
45	Soil solarization: a non-chemical approach for management of plant pathogens and pests. Crop Protection, 1986, 5, 190-198.	2.1	150
46	Soil solarization: Effects on soil properties, crop fertilization and plant growth. Soil Biology and Biochemistry, 1985, 17, 369-373.	8.8	76