

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	Soil solarization in various agricultural production systems. <i>Crop Protection</i> , 2000, 19, 837-841.	2.1	195
2	Soil solarization: a non-chemical approach for management of plant pathogens and pests. <i>Crop Protection</i> , 1986, 5, 190-198.	2.1	150
3	Time and Temperature Requirements for Weed Seed Thermal Death. <i>Weed Science</i> , 2007, 55, 619-625.	1.5	92
4	Soil solarization: Effects on soil properties, crop fertilization and plant growth. <i>Soil Biology and Biochemistry</i> , 1985, 17, 369-373.	8.8	76
5	Management of Aphid-Borne Viruses and <i>Bemisia argentifolii</i> (Homoptera: Aleyrodidae) in Zucchini Squash by Using Uv Reflective Plastic and Wheat Straw Mulches. <i>Environmental Entomology</i> , 2004, 33, 1447-1457.	1.4	59
6	Reflective mulches for management of aphids and aphid-borne virus diseases in late-season cantaloupe (<i>Cucumis melo</i> L. var. <i>cantalupensis</i>). <i>Crop Protection</i> , 2002, 21, 891-898.	2.1	57
7	Assessment of tomato and wine processing solid wastes as soil amendments for biosolarization. <i>Waste Management</i> , 2016, 48, 156-164.	7.4	56
8	Managing compost stability and amendment to soil to enhance soil heating during soil solarization. <i>Waste Management</i> , 2013, 33, 1090-1096.	7.4	49
9	Classhouse studies on the effects of time, temperature and amendment of soil with broccoli plant residues on the infestation of melon plants by <i>Meloidogyne incognita</i> and <i>M. javanica</i> . <i>Nematology</i> , 2001, 3, 855-861.	0.6	48
10	The role of organic matter amendment level on soil heating, organic acid accumulation, and development of bacterial communities in solarized soil. <i>Applied Soil Ecology</i> , 2016, 106, 37-46.	4.3	48
11	Assessment of Two Solid Anaerobic Digestate Soil Amendments for Effects on Soil Quality and Biosolarization Efficacy. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 3434-3442.	5.2	46
12	Comparison of Sprayable and Film Mulches in Delaying the Onset of Aphid-Transmitted Virus Diseases in Zucchini Squash. <i>Plant Disease</i> , 1995, 79, 1126.	1.4	46
13	Use of UV reflective mulch to delay the colonization and reduce the severity of <i>Bemisia argentifolii</i> (Homoptera: Aleyrodidae) infestations in cucurbits. <i>Crop Protection</i> , 2002, 21, 921-928.	2.1	42
14	Weed seed inactivation in soil mesocosms via biosolarization with mature compost and tomato processing waste amendments. <i>Pest Management Science</i> , 2017, 73, 862-873.	3.4	42
15	Characterization of bacterial communities in solarized soil amended with lignocellulosic organic matter. <i>Applied Soil Ecology</i> , 2014, 73, 97-104.	4.3	37
16	Population dynamics of epiphytic mycoflora and occurrence of bunch rots of wine grapes as influenced by leaf removal. <i>Plant Pathology</i> , 1995, 44, 956-965.	2.4	35
17	Almond processing residues as a source of organic acid biopesticides during biosolarization. <i>Waste Management</i> , 2020, 101, 74-82.	7.4	32
18	Solarization and biofumigation help disinfest soil. <i>California Agriculture</i> , 2000, 54, 42-45.	0.8	30

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19	Methyl bromide alternatives Soil solarization provides weed control for limited-resource and organic growers in warmer climates. <i>California Agriculture</i> , 2005, 59, 84-89.	0.8	29
20	A life cycle assessment of biosolarization as a valorization pathway for tomato pomace utilization in California. <i>Journal of Cleaner Production</i> , 2017, 141, 146-156.	9.3	27
21	Interaction effects of <i>Allium</i> spp. residues, concentrations and soil temperature on seed germination of four weedy plant species. <i>Applied Soil Ecology</i> , 2007, 37, 233-239.	4.3	25
22	Effect of management of organic wastes on inactivation of <i>Brassica nigra</i> and <i>Fusarium oxysporum</i> f.sp. <i>lactucae</i> using soil biosolarization. <i>Pest Management Science</i> , 2018, 74, 1892-1902.	3.4	25
23	Population dynamics of arthropods associated with early-season tomato plants as influenced by soil surface microenvironment. <i>Crop Protection</i> , 2010, 29, 249-254.	2.1	23
24	Changes of <i>Fusarium oxysporum</i> f.sp. <i>lactucae</i> levels and soil microbial community during soil biosolarization using chitin as soil amendment. <i>PLoS ONE</i> , 2020, 15, e0232662.	2.5	23
25	Biomass crops can be used for biological disinfestation and remediation of soils and water. <i>California Agriculture</i> , 2009, 63, 41-46.	0.8	23
26	Deleterious activity of cultivated grasses (Poaceae) and residues on soilborne fungal, nematode and weed pests. <i>Phytoparasitica</i> , 2010, 38, 61-69.	1.2	22
27	Leaf Removal for Nonchemical Control of the Summer Bunch Rot Complex of Wine Grapes in the San Joaquin Valley. <i>Plant Disease</i> , 1992, 76, 205.	1.4	20
28	Mulches reduce aphid-borne viruses and whiteflies in cantaloupe. <i>California Agriculture</i> , 2005, 59, 90-94.	0.8	19
29	Comparison of soil biosolarization with mesophilic and thermophilic solid digestates on soil microbial quantity and diversity. <i>Applied Soil Ecology</i> , 2017, 119, 183-191.	4.3	18
30	High Temperature Solarization for Production of Weed-free Container Soils and Potting Mixes. <i>HortTechnology</i> , 2002, 12, 697-700.	0.9	16
31	Fumigation and Solarization Practice in Plasticulture Systems. <i>HortTechnology</i> , 1996, 6, 189-192.	0.9	16
32	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. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 5451-5461.	5.2	15
33	Sudex cover crops can kill and stunt subsequent tomato, lettuce and broccoli transplants through allelopathy. <i>California Agriculture</i> , 2009, 63, 35-40.	0.8	12
34	Development and validation of a Weibull-Arrhenius model to predict thermal inactivation of black mustard (<i>Brassica nigra</i>) seeds under fluctuating temperature regimens. <i>Biosystems Engineering</i> , 2016, 151, 350-360.	4.3	10
35	Structural changes in bacterial and fungal soil microbiome components during biosolarization as related to volatile fatty acid accumulation. <i>Applied Soil Ecology</i> , 2020, 153, 103602.	4.3	10
36	Biosolarization restructures soil bacterial communities and decreases parasitic nematode populations. <i>Applied Soil Ecology</i> , 2022, 172, 104343.	4.3	6

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37	Effect of Partially Stabilized Organic Amendments on Volatile Acids Production and Pest Inactivation using Soil Biosolarization. , 2017, , .		4
38	Leaf removal improves fungicide control of powdery mildew in SJV grapes. California Agriculture, 1995, 49, 33-36.	0.8	3
39	Feasibility of solar tents for inactivating weedy plant propagative material. Journal of Pest Science, 2012, 85, 17-21.	3.7	2
40	Biofuels:. California Agriculture, 2009, 63, 155-158.	0.8	1
41	Aphid and Aphid-Borne Virus Management. , 2007, , 17-20.		1
42	Economic Analysis of Three Soil-Surface Practices for Production of Fresh Market Tomato (Solanum) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.7	0
43	Solarization. , 2002, , .		0
44	Aphid and Aphid-Borne Virus Managementâ€š,Ã©Control of Squash Diseases. , 2002, , .		0
45	Silverleaf Whitefly Management Using Reflective Plastic and Wheat Straw Mulch. , 2002, , .		0
46	Silverleaf Whitefly Management Using Reflective Plastic and Wheat Straw Mulch. , 2007, , 606-609.		0