

David Butler

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

950
citations

567144

15
h-index

477173

29
g-index

51
all docs

51
docs citations

51
times ranked

604
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of anaerobic soil disinfestation combined with soil solarization on plant-parasitic nematodes and introduced inoculum of soilborne plant pathogens in raised-bed vegetable production. <i>Crop Protection</i> , 2012, 39, 33-40.	1.0	121
2	Exploring warm-season cover crops as carbon sources for anaerobic soil disinfestation (ASD). <i>Plant and Soil</i> , 2012, 355, 149-165.	1.8	102
3	Anaerobic soil disinfestation is an alternative to soil fumigation for control of some soilborne pathogens in strawberry production. <i>Plant Pathology</i> , 2018, 67, 51-66.	1.2	86
4	Anaerobic Soil Disinfestation (ASD) Combined with Soil Solarization as a Methyl Bromide Alternative: Vegetable Crop Performance and Soil Nutrient Dynamics. <i>Plant and Soil</i> , 2014, 378, 365-381.	1.8	85
5	A Meta-Analysis of the Impact of Anaerobic Soil Disinfestation on Pest Suppression and Yield of Horticultural Crops. <i>Frontiers in Plant Science</i> , 2016, 7, 1254.	1.7	75
6	Anaerobic Soil Disinfestation and Soilborne Pest Management. <i>Soil Biology</i> , 2015, , 277-305.	0.6	49
7	Field Evaluation of Carbon Sources for Anaerobic Soil Disinfestation in Tomato and Bell Pepper Production in Tennessee. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2014, 49, 272-280.	0.5	40
8	Anaerobic Soil Disinfestation Reduces Germination and Affects Colonization of <i>Sclerotium rolfsii</i> Sclerotia. <i>Phytopathology</i> , 2018, 108, 342-351.	1.1	32
9	Ground Cover Impacts on Sediment and Phosphorus Export from Manured Riparian Pasture. <i>Journal of Environmental Quality</i> , 2006, 35, 2178-2185.	1.0	30
10	Ground Cover Impacts on Nitrogen Export from Manured Riparian Pasture. <i>Journal of Environmental Quality</i> , 2007, 36, 155-162.	1.0	23
11	Effect of anaerobic soil disinfestation amendment type and C:N ratio on <i>Cyperus esculentus</i> tuber sprouting, growth and reproduction. <i>Weed Research</i> , 2018, 58, 379-388.	0.8	22
12	Evaluating Aeration Techniques for Decreasing Phosphorus Export from Grasslands Receiving Manure. <i>Journal of Environmental Quality</i> , 2008, 37, 1279-1287.	1.0	20
13	Runoff water quality from manured riparian grasslands with contrasting drainage and simulated grazing pressure. <i>Agriculture, Ecosystems and Environment</i> , 2008, 126, 250-260.	2.5	19
14	A new model for dung decomposition and phosphorus transformations and loss in runoff. <i>Soil Research</i> , 2011, 49, 367.	0.6	19
15	Ecological Stoichiometry: A Link Between Developmental Speed and Physiological Stress in an Omnivorous Insect. <i>Frontiers in Behavioral Neuroscience</i> , 2019, 13, 42.	1.0	19
16	Short-term exposure to predation affects body elemental composition, climbing speed and survival ability in <i>Drosophila melanogaster</i> . <i>PeerJ</i> , 2016, 4, e2314.	0.9	19
17	Assessment of the Georgia Phosphorus Index on farm at the field scale for grassland management. <i>Journal of Soils and Water Conservation</i> , 2010, 65, 200-210.	0.8	17
18	Anaerobic Soil Disinfestation Efficacy Against <i>Fusarium oxysporum</i> Is Affected by Soil Temperature, Amendment Type, Rate, and C:N Ratio. <i>Phytopathology</i> , 2021, 111, 1380-1392.	1.1	14

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19	Evaluation of Cover Crops with Potential for Use in Anaerobic Soil Disinfestation (ASD) for Susceptibility to Three Species of Meloidogyne. Journal of Nematology, 2013, 45, 272-8.	0.4	14
20	Grafting and Paladin Pic-21 for Nematode and Weed Management in Vegetable Production. Journal of Nematology, 2016, 48, 231-240.	0.4	12
21	Soil inoculation with <i>Trichoderma asperellum</i> , <i>T. harzianum</i> or <i>Streptomyces griseoviridis</i> prior to anaerobic soil disinfestation (ASD) does not increase ASD efficacy against <i>Sclerotium rolfsii</i> germination. Applied Soil Ecology, 2020, 147, 103383.	2.1	11
22	First Report of Stem and Root Rot of Cowpea Caused by <i>Fusarium oxysporum</i> in Tennessee. Plant Disease, 2016, 100, 649-649.	0.7	8
23	First Report of Dry Root and Stem Rot of Cowpea Caused by <i>Fusarium proliferatum</i> in the United States. Plant Disease, 2016, 100, 860-860.	0.7	8
24	Tillage System and Cover Crop Management Impacts on Soil Quality and Vegetable Crop Performance in Organically Managed Production in Tennessee. Hortscience: A Publication of the American Society for Horticultural Science, 2016, 51, 1038-1044.	0.5	8
25	Evaluation of Steam and Soil Solarization for <i>Meloidogyne arenaria</i> Control in Florida Floriculture Crops. Journal of Nematology, 2016, 48, 138-192.	0.4	8
26	Forage Performance and Soil Quality in Forage Systems under Organic Management in the Southeastern United States. Agronomy Journal, 2015, 107, 1641-1652.	0.9	7
27	Developmental speed affects ecological stoichiometry and adult fat reserves in <i>Drosophila melanogaster</i> . Animal Biology, 2020, 71, 1-20.	0.6	7
28	Weed Control Assessment of Various Carbon Sources for Anaerobic Soil Disinfestation. International Journal of Fruit Science, 2020, 20, 1005-1018.	1.2	7
29	Anaerobic soil disinfestation: areawide project on obstacles and adoption. Acta Horticulturae, 2020, , 23-36.	0.1	7
30	Anaerobic soil disinfestation: nutrient cycling and potential environmental impact. Acta Horticulturae, 2020, , 51-62.	0.1	6
31	Influence of Aeration Implements, Phosphorus Fertilizers, and Soil Taxa on Phosphorus Losses from Grasslands. Journal of Environmental Quality, 2011, 40, 312-319.	1.0	5
32	Alternatives to Conventional Nitrogen Fertilization on Tall Fescue and Bermudagrass. Agronomy Journal, 2019, 111, 275-286.	0.9	5
33	Role of substrate decomposability and volatile fatty acids in anaerobic soil disinfestation activity against <i>Sclerotinia sclerotiorum</i> . Acta Horticulturae, 2020, , 71-82.	0.1	5
34	Assessing heat management practices in high tunnels to improve organic production of bell peppers. Scientia Horticulturae, 2019, 246, 928-941.	1.7	4
35	Volatile fatty acid concentration, soil pH and soil texture during anaerobic soil conditions affect viability of <i>Athelia (Sclerotium) rolfsii</i> sclerotia. European Journal of Plant Pathology, 2022, 162, 149-161.	0.8	4
36	Spider odors induce stoichiometric changes in fruit fly <i>Drosophila melanogaster</i> . Environmental Epigenetics, 2021, 67, 127-129.	0.9	4

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37	Transitional organic forage systems in the southeastern U.S.: Production and nutritive value. <i>Agronomy Journal</i> , 2022, 114, 1269-1283.	0.9	4
38	Nematode Management in Florida Vegetable and Ornamental Production. <i>Outlooks on Pest Management</i> , 2014, 25, 287-293.	0.1	3
39	Modeling Energy Balance and Airflow Characteristics in a Naturally Ventilated High Tunnel. <i>Transactions of the ASABE</i> , 2017, 60, 1683-1697.	1.1	3
40	Endophytic <i>Beauveria bassiana</i> increases galling of Rutgers™ tomato roots with <i>Meloidogyne incognita</i> . <i>Journal of Nematology</i> , 2021, 53, 1-16.	0.4	3
41	Amendment Properties Affect Crop Performance, Leaf Tissue Nitrogen, and Soil Nitrogen Availability Following Soil Treatment by Anaerobic Soil Disinfestation. <i>Frontiers in Sustainable Food Systems</i> , 2021, 5, .	1.8	3
42	First Report of Basal Drop and White Mold on Lettuce, Broccoli, and Mustard Caused by <i>Sclerotinia sclerotiorum</i> in Tennessee, U.S.A.. <i>Plant Disease</i> , 2018, 102, 249-249.	0.7	3
43	Forage Yield, Quality, and Impact on Subsequent Cash Crop of Cover Crops in an Integrated Forage/Row Crop System. <i>Agronomy</i> , 2022, 12, 1214.	1.3	3
44	Optimal forage and supplement balance for organic dairy farms in the Southeastern United States. <i>Agricultural Systems</i> , 2021, 189, 103048.	3.2	2
45	Rainwater Harvesting with Solar and Gravity Powered Irrigation for High Tunnels. <i>Applied Engineering in Agriculture</i> , 2020, 36, 489-498.	0.3	1
46	First report of wilt and necrosis caused by <i>Diplodia seriata</i> on cowpea in Tennessee, USA. <i>New Disease Reports</i> , 2020, 42, 12-12.	0.4	1
47	Mechanisms of Anaerobic Soil Disinfestation: Volatile Fatty Acids Reduce Viability of <i>Athelia (Sclerotium) rolfsii</i> Sclerotia in Acidic Soil Conditions and Have Limited Effects on Endemic <i>Trichoderma</i> spp.. <i>Frontiers in Sustainable Food Systems</i> , 2021, 5, .	1.8	1
48	Is Harvesting Cover Crops for Hay Profitable When Planting Corn and Soybean in Tennessee?. <i>Agronomy</i> , 2022, 12, 1353.	1.3	1
49	Cultivar and Phosphorus Amendment Impacts on Organically Managed Forage Cowpea Yield and Composition. <i>Agronomy Journal</i> , 2017, 109, 1623-1631.	0.9	0
50	Assessing Heat Management Practices in High Tunnels to Improve the Production of Romaine Lettuce. <i>Agriculture (Switzerland)</i> , 2019, 9, 203.	1.4	0