

Rodney Thomas Fernandez

List of Publications by Year in descending order

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70
papers

1,815
citations

471509

17
h-index

276875

41
g-index

70
all docs

70
docs citations

70
times ranked

1783
citing authors

#	ARTICLE	IF	CITATIONS
1	Green Roof Stormwater Retention. <i>Journal of Environmental Quality</i> , 2005, 34, 1036-1044.	2.0	448
2	Biodegradation and hydrolysis rate of aliphatic aromatic polyester. <i>Polymer Degradation and Stability</i> , 2010, 95, 2641-2647.	5.8	254
3	Assessment of aliphatic aromatic copolyester biodegradable mulch films. Part I: Field study. <i>Chemosphere</i> , 2008, 71, 942-953.	8.2	148
4	Assessment of aliphatic aromatic copolyester biodegradable mulch films. Part II: Laboratory simulated conditions. <i>Chemosphere</i> , 2008, 71, 1607-1616.	8.2	94
5	Seeking attention: an eye tracking study of in-store merchandise displays. <i>International Journal of Retail and Distribution Management</i> , 2015, 43, 561-574.	4.7	88
6	Development of an automatic laboratory-scale respirometric system to measure polymer biodegradability. <i>Polymer Testing</i> , 2006, 25, 1006-1016.	4.8	75
7	Drought Response of Young Apple Trees on Three Rootstocks. II. Gas Exchange, Chlorophyll Fluorescence, Water Relations, and Leaf Abscisic Acid. <i>Journal of the American Society for Horticultural Science</i> , 1997, 122, 841-848.	1.0	52
8	Field Performance of Aliphatic-aromatic Copolyester Biodegradable Mulch Films in a Fresh Market Tomato Production System. <i>HortTechnology</i> , 2008, 18, 605-610.	0.9	49
9	Water Use and Treatment in Container-Grown Specialty Crop Production: A Review. <i>Water, Air, and Soil Pollution</i> , 2017, 228, 151.	2.4	44
10	Incorporating Eye Tracking Technology and Conjoint Analysis to Better Understand the Green Industry Consumer. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2014, 49, 1550-1557.	1.0	41
11	Container-grown Ornamental Plant Growth and Water Runoff Nutrient Content and Volume Under Four Irrigation Treatments. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2009, 44, 1573-1580.	1.0	35
12	Formulation selection of aliphatic aromatic biodegradable polyester film exposed to UV/solar radiation. <i>Polymer Degradation and Stability</i> , 2011, 96, 1919-1926.	5.8	32
13	Water Conservation, Growth, and Water Use Efficiency of Container-grown Woody Ornamentals Irrigated Based on Daily Water Use. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2009, 44, 1308-1318.	1.0	27
14	Evaluating Semiaquatic Herbaceous Perennials for Use in Herbicide Phytoremediation. <i>Journal of the American Society for Horticultural Science</i> , 1999, 124, 539-544.	1.0	27
15	Remediation of metalaxyl, trifluralin, and nitrate from nursery runoff using container-grown woody ornamentals and phytoremediation areas. <i>Ecological Engineering</i> , 2012, 47, 254-263.	3.6	22
16	Growth and physiology of deciduous shade trees in response to controlled-release fertilizer. <i>Scientia Horticulturae</i> , 2012, 135, 71-79.	3.6	20
17	Root Distribution Patterns of Nine Apple Rootstock in Two Contrasting Soil Types. <i>Journal of the American Society for Horticultural Science</i> , 1995, 120, 6-13.	1.0	18
18	Recycled or reclaimed? The effect of terminology on water reuse perceptions. <i>Journal of Environmental Management</i> , 2020, 261, 110144.	7.8	17

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19	Practical Field Use of Eye-tracking Devices for Consumer Research in the Retail Environment. HortTechnology, 2013, 23, 517-524.	0.9	16
20	Irrigating Based on Daily Water Use Reduces Nursery Runoff Volume and Nutrient Load Without Reducing Growth of Four Conifers. Hortscience: A Publication of the American Society for Horticultural Science, 2015, 50, 1553-1561.	1.0	15
21	Drought Response of Young Apple Trees on Three Rootstocks: Growth and Development. Journal of the American Society for Horticultural Science, 1997, 122, 14-19.	1.0	15
22	RFID and Drones: The Next Generation of Plant Inventory. AgriEngineering, 2021, 3, 168-181.	3.2	13
23	Consumers Preferences for Plant Size, Type of Plant Material and Design Sophistication in Residential Landscaping. Journal of Environmental Horticulture, 2000, 18, 224-230.	0.5	13
24	Nutrient and pesticide remediation using a two-stage bioreactor-adsorptive system under two hydraulic retention times. Water Research, 2020, 170, 115311.	11.3	12
25	Life Cycle Assessment: A Tool for Determining the Environmental Impact of Horticultural Crop Production. HortTechnology, 2012, 22, 275-279.	0.9	12
26	Effect of Integrated Pest Management Strategies on Chlorothalonil, Metalaxyl, and Thiophanate-methyl Runoff at a Container Nursery. Journal of the American Society for Horticultural Science, 2002, 127, 1018-1024.	1.0	12
27	INTERMITTENT APPLICATION OF CACL2 TO CONTROL RAIN CRACKING OF SWEET CHERRY. Acta Horticulturae, 1998, , 683-690.	0.2	11
28	Formulation effects on isoxaben and trifluralin in runoff water from container plant nurseries. Weed Science, 2002, 50, 536-541.	1.5	11
29	Consumer Perceptions, Attitudes, and Purchase Behavior with Landscape Plants during Real and Perceived Drought Periods. Hortscience: A Publication of the American Society for Horticultural Science, 2018, 53, 49-54.	1.0	11
30	Greenhouse and Nursery Water Management Characterization and Research Priorities in the USA. Water (Switzerland), 2019, 11, 2338.	2.7	11
31	Drought Response of Three Ornamental Herbaceous Perennials. Journal of the American Society for Horticultural Science, 2000, 125, 310-317.	1.0	11
32	Evaluating Woody Ornamentals for Use in Herbicide Phytoremediation. Journal of the American Society for Horticultural Science, 2002, 127, 991-997.	1.0	11
33	Multistate Evaluation of Plant Growth and Water Use in Plastic and Alternative Nursery Containers. HortTechnology, 2015, 25, 42-49.	0.9	10
34	Effectiveness of Plant Growth Regulators under Photosensitive Greenhouse Covers. Journal of the American Society for Horticultural Science, 2000, 125, 673-678.	1.0	10
35	Conducting field research in retail stores: A meandering path to a successful research project. International Review of Retail, Distribution and Consumer Research, 2013, 23, 189-203.	2.0	9
36	Phosphorus requirement for biomass accumulation is higher compared to photosynthetic biochemistry for three ornamental shrubs. Scientia Horticulturae, 2021, 275, 109719.	3.6	9

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37	Do Plant Guarantees Matter? The Role of Satisfaction and Regret when Guarantees are Present. Hortscience: A Publication of the American Society for Horticultural Science, 2005, 40, 142-145.	1.0	9
38	Substrate Temperature in Plastic and Alternative Nursery Containers. HortTechnology, 2015, 25, 50-56.	0.9	9
39	Consumer Involvement with and Expertise in Water Conservation and Plants Affect Landscape Plant Purchases, Importance, and Enjoyment. Hortscience: A Publication of the American Society for Horticultural Science, 2018, 53, 1164-1171.	1.0	8
40	Carbon Isotope Discrimination, Gas Exchange, and Growth of Container-grown Conifers Under Cyclic Irrigation. Hortscience: A Publication of the American Society for Horticultural Science, 2013, 48, 848-854.	1.0	7
41	Tracking position premiums in discrete choice experiments. Applied Economics Letters, 2016, 23, 1269-1273.	1.8	6
42	Consumer Perceptions of Landscape Plant Production Water Sources and Uses in the Landscape during Perceived and Real Drought. HortTechnology, 2018, 28, 85-93.	0.9	6
43	Water Conserving Message Influences Purchasing Decision of Consumers. Water (Switzerland), 2020, 12, 3487.	2.7	6
44	Reducing Water and Pesticide Movement in Nursery Production. HortTechnology, 2019, 29, 730-735.	0.9	6
45	Influence of Surflan (Oryzalin) Concentrations in Irrigation Water on Growth and Physiological Processes of Gardenia jasminoides radicans and Pennisetum ruppelli. Journal of Environmental Horticulture, 1997, 15, 169-172.	0.5	6
46	Dose-Dependent Phytotoxicity of Pesticides in Simulated Nursery Runoff on Landscape Nursery Plants. Water (Switzerland), 2019, 11, 2354.	2.7	5
47	CAN ANTITRANSPIRANTS EXTEND THE SHELF LIFE OF TABLE-TOP CHRISTMAS TREES?. Acta Horticulturae, 2003, , 153-161.	0.2	5
48	Sit Back or Dig In: The Role of Activity Level in Landscape Market Segmentation. Hortscience: A Publication of the American Society for Horticultural Science, 2019, 54, 1818-1823.	1.0	5
49	Feasibility of Using Biocontainers in a Pot-in-pot System for Nursery Production of River Birch. HortTechnology, 2015, 25, 57-62.	0.9	5
50	Controlling Growth of Tabletop Christmas Trees with Plant Growth Retardants. HortTechnology, 2004, 14, 528-532.	0.9	4
51	Water Conserving Irrigation Practices, Plant Growth, Seasonal Crop Coefficients, and Nutrition of Container-Grown Woody Ornamentals. Water (Switzerland), 2019, 11, 2070.	2.7	3
52	Sensitivity of Hydrangea paniculata Plants to Residual Herbicides in Recycled Irrigation Varies with Plant Growth Stage. Water (Switzerland), 2020, 12, 1402.	2.7	3
53	Growth and Photosynthetic Response of Pot-in-pot-grown Conifers to Substrate and Controlled-release Fertilizer. Hortscience: A Publication of the American Society for Horticultural Science, 2010, 45, 36-42.	1.0	3
54	Influence of pine bark and gravel on degradation of isoxaben in retention basins. Weed Science, 2004, 52, 158-165.	1.5	2

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55	Water Scarcity Footprint Analysis of Container-Grown Plants in a Model Research Nursery as Affected by Irrigation and Fertilization Treatments. <i>Water (Switzerland)</i> , 2019, 11, 2436.	2.7	2
56	Irrigation return flow and nutrient movement mitigation by irrigation method for container plant production. <i>Irrigation Science</i> , 2021, 39, 567-585.	2.8	2
57	Economics of Utilizing Alternative Containers in Ornamental Crop Production Systems. <i>HortTechnology</i> , 2015, 25, 17-25.	0.9	2
58	Height Control of <i>Picea</i> spp. and <i>Chamaecyparis lawsoniana</i> with Uniconazole and 6-Benzyladenine. <i>Journal of Environmental Horticulture</i> , 2004, 22, 165-169.	0.5	2
59	Media Temperature in Above-ground and In-ground Pot-in-Pot Container Systems. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 1998, 33, 512a-512.	1.0	2
60	Reducing pesticide transport in surface and subsurface irrigation return flow in specialty crop production. <i>Agricultural Water Management</i> , 2021, 256, 107124.	5.6	1
61	PHYSIOLOGICAL RESPONSES OF YOUNG APPLE TREES ON 3 ROOTSTOCKS TO DROUGHT STRESS. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 1992, 27, 573a-573.	1.0	1
62	Do Plant Guarantees Matter?. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2004, 39, 874B-874.	1.0	1
63	The Relationship between Drone Speed and the Number of Flights in RFID Tag Reading for Plant Inventory. <i>Drones</i> , 2022, 6, 2.	4.9	1
64	USING EYE TRACKING TO UNDERSTAND CONSUMER BEHAVIOUR IN GARDEN CENTRES. <i>Acta Horticulturae</i> , 2014, , 97-100.	0.2	0
65	ROOT DISTRIBUTION PATTERN OF NINE APPLE ROOTSTOCKS AT TWO NC-140 TRIAL LOCATIONS. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 1990, 25, 1128f-1128.	1.0	0
66	Phytochrome Regulation of Photosynthate Partitioning in Watermelon Plants Exposed to End-of-day Light Treatments. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 1997, 32, 491A-491.	1.0	0
67	The Influence of Drought on Growth and Gas Exchange in <i>Fraxinus</i> species. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 1998, 33, 539c-539.	1.0	0
68	The Effects of Drought on Leaf Gas Exchange and Growth of Three Species of Herbaceous Perennials. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 1998, 33, 540a-540.	1.0	0
69	What do Consumers See when they Look at Displays? An Eye-Tracking Study. <i>Developments in Marketing Science: Proceedings of the Academy of Marketing Science</i> , 2016, , 582-585.	0.2	0
70	Effect of Residual Pesticides in Recycled Nursery Runoff on Growth and Physiology of Six Ornamental Shrubs. <i>Water, Air, and Soil Pollution</i> , 2022, 233, 1.	2.4	0