

Grady L Miller

List of Publications by Year in descending order

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65
papers

1,217
citations

471371

17
h-index

414303

32
g-index

65
all docs

65
docs citations

65
times ranked

940
citing authors

#	ARTICLE	IF	CITATIONS
1	The effects of compost incorporation on soil physical properties in urban soils â€“ A concise review. <i>Journal of Environmental Management</i> , 2020, 261, 110209.	3.8	133
2	Residential Irrigation Water Use in Central Florida. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2007, 133, 427-434.	0.6	121
3	Water conservation potential of smart irrigation controllers on St. Augustinegrass. <i>Agricultural Water Management</i> , 2009, 96, 1623-1632.	2.4	96
4	Using a Chlorophyll Meter to Determine the Chlorophyll Concentration, Nitrogen Concentration, and Visual Quality of St. Augustinegrass. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2000, 35, 751-754.	0.5	68
5	Sensor-Based Automation of Irrigation on Bermudagrass, during Wet Weather Conditions. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2008, 134, 120-128.	0.6	63
6	Landscape irrigation by evapotranspiration-based irrigation controllers under dry conditions in Southwest Florida. <i>Agricultural Water Management</i> , 2009, 96, 1828-1836.	2.4	62
7	Analysis of Double-Ring Infiltration Techniques and Development of a Simple Automatic Water Delivery System. , 2005, 2, 1-7.		58
8	Water Application Efficiency and Adequacy of ET-Based and Soil Moisture-Based Irrigation Controllers for Turfgrass Irrigation. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2013, 139, 113-123.	0.6	55
9	Sensor-Based Automation of Irrigation on Bermudagrass during Dry Weather Conditions. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2010, 136, 184-193.	0.6	47
10	Factors affecting seed germination of tropical signalgrass (<i>Urochloa subquadriflora</i>). <i>Weed Science</i> , 2004, 52, 376-381.	0.8	45
11	Analysis of Residential Irrigation Distribution Uniformity. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2005, 131, 336-341.	0.6	34
12	Consumptive water use and crop coefficients for warm-season turfgrass species in the Southeastern United States. <i>Agricultural Water Management</i> , 2015, 156, 10-18.	2.4	34
13	St. Augustinegrass Response to Plant Growth Retardants. <i>Crop Science</i> , 2004, 44, 1323-1329.	0.8	25
14	Potassium Fertilization Related to Cold Resistance in Bermudagrass. <i>Crop Science</i> , 1996, 36, 1290-1295.	0.8	20
15	Bermudagrass Establishment on High Sand-content Soils Using Various N-P-K Ratios. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2002, 37, 208-209.	0.5	20
16	Potassium Application Reduces Calcium and Magnesium Levels in Bermudagrass Leaf Tissue and Soil. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 1999, 34, 265-268.	0.5	19
17	Physiological Response of Bermudagrass Grown in Soil Amendments during Drought Stress. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2000, 35, 213-216.	0.5	19
18	Bermudagrass Carbohydrate Levels as Influenced by Potassium Fertilization and Cultivar. <i>Crop Science</i> , 1996, 36, 1283-1289.	0.8	18

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19	Using Near Infrared Reflectance Spectroscopy to Schedule Nitrogen Applications on Dwarf-type Bermudagrasses. <i>Agronomy Journal</i> , 2000, 92, 423-427.	0.9	16
20	â€˜DT-1â€™™, a Drought-tolerant Triploid Turf Bermudagrass. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2018, 53, 1711-1714.	0.5	16
21	Evaluation of Evapotranspiration-Based and Soil-Moisture-Based Irrigation Control in Turf. , 2008, , .		15
22	Using Variability within Digital Images to Improve Tall Fescue Color Characterization. <i>Crop Science</i> , 2012, 52, 2365-2374.	0.8	13
23	Shade response of bermudagrass accessions under different management practices. <i>Urban Forestry and Urban Greening</i> , 2017, 26, 169-177.	2.3	13
24	Tropical Signalgrass (<i>Urochloa subquadriflora</i>) Control with Preemergence- and Postemergence-Applied Herbicides. <i>Weed Technology</i> , 2004, 18, 419-425.	0.4	12
25	Soil Organic Matter Accumulation in Creeping Bentgrass Greens: A Chronosequence with Implications for Management and Carbon Sequestration. <i>Agronomy Journal</i> , 2011, 103, 604-610.	0.9	12
26	Athletic Field Paint Impacts Light Spectral Quality and Turfgrass Photosynthesis. <i>Crop Science</i> , 2012, 52, 2375-2384.	0.8	12
27	Variable Responses of Zoysiagrass Genotypes to the Sting Nematode. <i>Crop Science</i> , 2010, 50, 723-729.	0.8	11
28	Composted Yard Waste Affects Soil Displacement and Roadside Vegetation. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2005, 40, 2157-2163.	0.5	11
29	Comparing evapotranspiration rates of tall fescue and bermudagrass in North Carolina. <i>Agricultural Water Management</i> , 2019, 223, 105725.	2.4	10
30	Evaluation of Evapotranspiration and Soil Moisture-Based Irrigation Control on Turfgrass. , 2007, , .		9
31	Solubility of Ten Iron Fertilizers in Eleven North American Soils. <i>Agronomy Journal</i> , 2019, 111, 1498-1505.	0.9	9
32	Using Near Infrared Reflectance Spectroscopy to Evaluate Phosphorus, Potassium, Calcium, and Magnesium Concentrations in Bermudagrass. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2003, 38, 1247-1250.	0.5	8
33	Evaluation and Demonstration of Evapotranspiration-Based Irrigation Controllers. , 2007, , 1.		7
34	Partitioning between evaporation and transpiration from <i>Agrostis stolonifera</i> L. during light and dark periods. <i>Agricultural and Forest Meteorology</i> , 2018, 260-261, 73-79.	1.9	7
35	Genotypeâ€œbyâ€œenvironment interaction for turfgrass quality in bermudagrass across the southeastern United States. <i>Crop Science</i> , 2020, 60, 3328-3343.	0.8	7
36	Identification of South African Bermudagrass Germplasm with Shade Tolerance. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2015, 50, 1419-1425.	0.5	7

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37	Sensor-Based Control of Irrigation in Bermudagrass. , 2005, , .		6
38	Evaluation of Green Turf Colorants as an Alternative to Overseeding on Putting Greens. , 2010, 7, 1-8.		6
39	Evaluation of Key Methodology for Digital Image Analysis of Turfgrass Color Using Openâ€Source Software. Crop Science, 2017, 57, 550-558.	0.8	6
40	Creeping bentgrass summer decline as influenced by climatic conditions and cultural practices. Agronomy Journal, 2020, 112, 3500-3512.	0.9	6
41	Evaluation of Two Smart Irrigation Technologies in Cary, North Carolina. , 2010, , .		5
42	Nitrate Uptake Rates of Kentucky Bluegrass Genotypes and Their Effect on Nitrate Absorption under Competitive Conditions. Crop Science, 2013, 53, 1179-1188.	0.8	5
43	Water Conservation Potential of Smart Irrigation Technologies in the Catawba-Wateree River Basin. Journal of Irrigation and Drainage Engineering - ASCE, 2017, 143, .	0.6	5
44	Color, Transfer, and Application Parameters of Turfgrass Colorants. Agronomy Journal, 2018, 110, 66-76.	0.9	5
45	Multispecies genotype Ã— environment interaction for turfgrass quality in five turfgrass breeding programs in the southeastern United States. Crop Science, 2021, 61, 3080-3096.	0.8	5
46	Crop Coefficients for Tall Fescue and Hybrid Bermudagrass in the Transition Zone. Crop, Forage and Turfgrass Management, 2019, 5, 190013.	0.2	4
47	Defoliation management and grass growth habits modulated the soil microbial community of turfgrass systems. PLoS ONE, 2019, 14, e0218967.	1.1	4
48	Fraise Mowing as a Spring Transition Aid. Crop, Forage and Turfgrass Management, 2019, 5, 190025.	0.2	4
49	Nitrate Leaching from Two Kentucky Bluegrass Cultivars as Affected by Nitrate Uptake Capacity and Subsurface Soil Compaction. Crop Science, 2013, 53, 1722-1733.	0.8	3
50	Athletic Field Paint Color Differentially Alters Light Spectral Quality and Bermudagrass Photosynthesis. Crop Science, 2013, 53, 2209-2217.	0.8	3
51	Surfactantâ€Modified Soil Amendments Reduce Nitrogen and Phosphorus Leaching in a Sandâ€Based Rootzone. Journal of Environmental Quality, 2016, 45, 1549-1557.	1.0	3
52	Air Temperature Effects on Turfgrass Colorant Transfer. Crop, Forage and Turfgrass Management, 2018, 4, 1-6.	0.2	3
53	Development and Implementation of a Nonmajors Horticultural Survey Class. HortTechnology, 2003, 13, 196-199.	0.5	3
54	ACCUMULATION OF SILICON IN<i>CYNODON DACTYLON</i><i>C. TRANSVAALENSIS</i>AND<i>POA TRIVIALIS</i>USED AS AN OVERSEED GRASS. Journal of Plant Nutrition, 2013, 36, 1719-1732.	0.9	2

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55	Nitrogen Rate and Mowing Height Affect Seasonal Performance of Zoysiagrass Cultivars. Agronomy Journal, 2018, 110, 2114-2123.	0.9	2
56	Leaf Wetness Influences Turf Colorant Application. Crop, Forage and Turfgrass Management, 2019, 5, 180099.	0.2	2
57	Concentrations and Ruminant Degradabilities of Amino Acids from Wheat and Triticale Forage and Grain. Agronomy Journal, 1996, 88, 53-55.	0.9	1
58	Temperature Increase on Synthetic Turf Grass. , 2007, , 1.		1
59	Evaluation of Turfgrass Clippings from Mulching Versus Side Discharge Mower Operation. Crop, Forage and Turfgrass Management, 2019, 5, 190050.	0.2	1
60	Comparing Digital Image Analysis and other Turf Quality Measurements in the Evaluation of "SMART" Irrigation Technologies. , 2010, , .		0
61	Athletic Field Paint Color Impacts Transpiration and Canopy Temperature in Bermudagrass. Crop Science, 2016, 56, 2016-2025.	0.8	0
62	Determination of Residential Irrigation Water Use in Florida. , 2004, , .		0
63	Components, Utilization, and Support of Southern Turfgrass Research Units. HortTechnology, 2005, 15, 660-665.	0.5	0
64	Fall establishment of zoysiagrass (<i>Z. japonica</i>) on roadsides in the US transition zone. Itsrj, 0, , .	0.1	0
65	Evaluation of South African common bermudagrass germplasm for shade tolerance. Itsrj, 0, , .	0.1	0