

Kati W Migliaccio

List of Publications by Year in descending order

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74
papers

2,442
citations

361045

20
h-index

205818

48
g-index

74
all docs

74
docs citations

74
times ranked

3456
citing authors

#	ARTICLE	IF	CITATIONS
1	Removal of arsenic by magnetic biochar prepared from pinewood and natural hematite. <i>Bioresource Technology</i> , 2015, 175, 391-395.	4.8	535
2	Contribution of Wastewater Treatment Plant Effluents to Nutrient Dynamics in Aquatic Systems: A Review. <i>Environmental Management</i> , 2009, 44, 205-217.	1.2	387
3	Manganese oxide-modified biochars: Preparation, characterization, and sorption of arsenate and lead. <i>Bioresource Technology</i> , 2015, 181, 13-17.	4.8	325
4	Physicochemical and sorptive properties of biochars derived from woody and herbaceous biomass. <i>Chemosphere</i> , 2015, 134, 257-262.	4.2	198
5	Evaluating, interpreting, and communicating performance of hydrologic/water quality models considering intended use: A review and recommendations. <i>Environmental Modelling and Software</i> , 2014, 57, 40-51.	1.9	110
6	Land use disturbance indicators and water quality variability in the Biscayne Bay Watershed, Florida. <i>Ecological Indicators</i> , 2011, 11, 1093-1104.	2.6	97
7	Development and assessment of a smartphone application for irrigation scheduling in cotton. <i>Computers and Electronics in Agriculture</i> , 2016, 127, 249-259.	3.7	70
8	Plant response to evapotranspiration and soil water sensor irrigation scheduling methods for papaya production in south Florida. <i>Agricultural Water Management</i> , 2010, 97, 1452-1460.	2.4	54
9	Spatial Distributions and Stochastic Parameter Influences on SWAT Flow and Sediment Predictions. <i>Journal of Hydrologic Engineering - ASCE</i> , 2008, 13, 258-269.	0.8	47
10	Nutrient discharges to Biscayne Bay, Florida: Trends, loads, and a pollutant index. <i>Science of the Total Environment</i> , 2011, 409, 530-539.	3.9	44
11	Evaluation of landscape and instream modeling to predict watershed nutrient yields. <i>Environmental Modelling and Software</i> , 2007, 22, 987-999.	1.9	38
12	Water savings, nutrient leaching, and fruit yield in a young avocado orchard as affected by irrigation and nutrient management. <i>Irrigation Science</i> , 2012, 30, 275-286.	1.3	37
13	Surface water quality evaluation using multivariate methods and a new water quality index in the Indian River Lagoon, Florida. <i>Water Resources Research</i> , 2007, 43, .	1.7	32
14	Impact of time-scale of the calibration objective function on the performance of watershed models. <i>Hydrological Processes</i> , 2007, 21, 3409-3419.	1.1	28
15	Evaluating irrigation applied and nitrogen leached using different smart irrigation technologies on bahiagrass (<i>Paspalum notatum</i>). <i>Irrigation Science</i> , 2014, 32, 193-203.	1.3	27
16	Linking Spatial Variations in Water Quality with Water and Land Management using Multivariate Techniques. <i>Journal of Environmental Quality</i> , 2014, 43, 599-610.	1.0	25
17	An irrigation schedule testing model for optimization of the Smartirrigation avocado app. <i>Agricultural Water Management</i> , 2017, 179, 390-400.	2.4	25
18	Trend Analysis of Nutrient Concentrations and Loads in Selected Canals of the Southern Indian River Lagoon, Florida. <i>Water, Air, and Soil Pollution</i> , 2007, 186, 195-208.	1.1	22

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19	Performance evaluation of urban turf irrigation smartphone app. <i>Computers and Electronics in Agriculture</i> , 2015, 118, 136-142.	3.7	21
20	Evaluating water table response to rainfall events in a shallow aquifer and canal system. <i>Hydrological Processes</i> , 2017, 31, 3907-3919.	1.1	21
21	Evaluation and comparison of interpolated gauge rainfall data and gridded rainfall data in Florida, USA. <i>Hydrological Sciences Journal</i> , 2018, 63, 561-582.	1.2	18
22	Seasonality of Selected Surface Water Constituents in the Indian River Lagoon, Florida. <i>Journal of Environmental Quality</i> , 2007, 36, 416-425.	1.0	17
23	Comment on Cao W, Bowden BW, Davie T, Fenemor A. 2006. "Multi-variable and multi-site calibration and validation of SWAT in a large mountainous catchment with high spatial variability". <i>Hydrological Processes</i> 20(5): 1057-1073. <i>Hydrological Processes</i> , 2007, 21, 3226-3228.	1.1	17
24	Optimizing cotton irrigation and nitrogen management using a soil water balance model and in-season nitrogen applications. <i>Agricultural Water Management</i> , 2019, 216, 306-314.	2.4	15
25	Planting date and in-row plant spacing effects on growth and yield of cabbage under plastic mulch. <i>Scientia Horticulturae</i> , 2016, 202, 49-56.	1.7	13
26	Effects of Real-time Location-specific Drip Irrigation Scheduling on Water Use, Plant Growth, Nutrient Accumulation, and Yield of Florida Fresh-market Tomato. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2018, 53, 1372-1378.	0.5	12
27	Water Quality Trends at Inflows to Everglades National Park, 1977-2005. <i>Journal of Environmental Quality</i> , 2010, 39, 1724-1733.	1.0	11
28	Dynamic factor analysis of surface water management impacts on soil and bedrock water contents in Southern Florida Lowlands. <i>Journal of Hydrology</i> , 2013, 488, 55-72.	2.3	11
29	Characteristics of Soil Phosphorus in Tree Island Hardwood Hammocks of the Southern Florida Everglades. <i>Soil Science Society of America Journal</i> , 2013, 77, 1048-1056.	1.2	11
30	Long Term Expanding-Disk Rain Sensor Accuracy. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2012, 138, 16-20.	0.6	10
31	Oxygen Amendment on Growth and Nitrogen Use Efficiency of Flooded Italian Basil. <i>International Journal of Vegetable Science</i> , 2013, 19, 217-227.	0.6	9
32	Sunn hemp intercrop and mulch increases papaya growth and reduces wind speed and virus damage. <i>Scientia Horticulturae</i> , 2017, 218, 304-315.	1.7	9
33	Assessing above- and below-ground traits of disparate peanut genotypes for determining adaptability to soil hydrologic conditions. <i>Field Crops Research</i> , 2018, 219, 98-105.	2.3	9
34	Estimating Field Capacity from Volumetric Soil Water Content Time Series Using Automated Processing Algorithms. <i>Vadose Zone Journal</i> , 2018, 17, 180073.	1.3	9
35	Phosphorus Release from Ash and Remaining Tissues of Two Wetland Species after a Prescribed Fire. <i>Journal of Environmental Quality</i> , 2010, 39, 1585-1593.	1.0	8
36	Predicting Soil Water Content Using the "Drained to Equilibrium" Concept. <i>Vadose Zone Journal</i> , 2011, 10, 675-682.	1.3	8

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37	Interactive Irrigation Tool for Simulating Smart Irrigation Technologies in Lawn Turf. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2013, 139, 747-754.	0.6	8
38	Assessing benefits of irrigation and nutrient management practices on a southeast Florida royal palm (<i>Roystonea elata</i>) field nursery. <i>Irrigation Science</i> , 2008, 27, 57-66.	1.3	7
39	A Smart Irrigation Tool to Determine the Effects of ENSO on Water Requirements for Tomato Production in Mozambique. <i>Water (Switzerland)</i> , 2018, 10, 1820.	1.2	7
40	Investigation of long-term trends in selected physical and chemical parameters of inflows to Everglades National Park, 1977â€“2005. <i>Environmental Monitoring and Assessment</i> , 2011, 178, 525-536.	1.3	6
41	Estimation of urban subtropical bahiagrass (<i>Paspalum notatum</i>) evapotranspiration using crop coefficients and the eddy covariance method. <i>Hydrological Processes</i> , 2014, 28, 4487-4495.	1.1	6
42	Modelling decision-making regarding wetland services for wetland management in Tram Chim National Park, Vietnam. <i>Journal of Environmental Economics and Policy</i> , 2016, 5, 28-48.	1.5	6
43	Coupling hydrologic and economic modeling for wetland management multi-optimization in Tram Chim National Park, Vietnam. <i>Journal of Environmental Planning and Management</i> , 2017, 60, 842-861.	2.4	6
44	Phosphorus Adsorption by Ceramic Suction Lysimeters. <i>Vadose Zone Journal</i> , 2010, 9, 1092-1099.	1.3	5
45	Simulating water table response to proposed changes in surface water management in the C-111 agricultural basin of south Florida. <i>Agricultural Water Management</i> , 2014, 146, 185-200.	2.4	5
46	Modelling soil water dynamics considering measurement uncertainty. <i>Hydrological Processes</i> , 2015, 29, 692-711.	1.1	5
47	Soil Water Dynamics of Shallow Water Table Soils Cultivated With Potato Crop. <i>Vadose Zone Journal</i> , 2018, 17, 1-15.	1.3	5
48	Assessing the Potential Impact of Climate Change on Rice Yield in the Artibonite Valley of Haiti Using the CSM-CERES-Rice Model. <i>Transactions of the ASABE</i> , 2020, 63, 1385-1400.	1.1	5
49	Expanding-Disk Rain Sensor Dry-Out and Potential Irrigation Savings. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2012, 138, 972-977.	0.6	4
50	Cost-benefit Analysis of Cabbage Grown Using a Plasticulture and Seepage Bare Ground Production System in Florida. <i>HortTechnology</i> , 2016, 26, 699-706.	0.5	4
51	Effects of Polymer Coated Urea and Irrigation Rates on Lantana Growth and Nitrogen Leaching. <i>Soil Science Society of America Journal</i> , 2017, 81, 546-555.	1.2	4
52	A simulation model for estimating root zone saturation indices of agricultural crops in a shallow aquifer and canal system. <i>Agricultural Water Management</i> , 2019, 220, 36-49.	2.4	4
53	Irrigation Savings from Smart Irrigation Technologies and a Smartphone App on Turfgrass. <i>Transactions of the ASABE</i> , 2020, 63, 1697-1709.	1.1	4
54	simple lysimeter for soil water sampling in south Florida. <i>Edis</i> , 2006, 2006, .	0.0	4

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55	Potential Sources of Errors in Estimating Plant Sap Flow Using Commercial Thermal Dissipation Probes. <i>Applied Engineering in Agriculture</i> , 2018, 34, 899-906.	0.3	3
56	Evapotranspiration-Based Irrigation for Agriculture: Sources of Evapotranspiration Data for Irrigation Scheduling in Florida. <i>Edis</i> , 2020, 2020, .	0.0	3
57	Smartirrigation Apps: Urban Turf. <i>Edis</i> , 2013, 2013, .	0.0	3
58	Determining water requirements for young peach trees in a humid subtropical climate. <i>Agricultural Water Management</i> , 2020, 233, 106102.	2.4	2
59	Using Cluster Analysis to Compartmentalize a Large Managed Wetland Based on Physical, Biological, and Climatic Geospatial Attributes. <i>Environmental Management</i> , 2018, 62, 571-583.	1.2	1
60	Water uptake dynamics for adult peach trees in a subtropical humid climate. <i>Scientia Horticulturae</i> , 2020, 267, 109318.	1.7	1
61	A Practical Guide for Peach Irrigation Scheduling in Florida. <i>Edis</i> , 2021, 2021, .	0.0	1
62	Organic Greenhouse Container Herb Production in South Florida: Fertilizer and Potting Media. <i>Edis</i> , 2020, 2020, .	0.0	1
63	Regulations and Guidelines for Chemigation. <i>Edis</i> , 2020, 2020, 5.	0.0	1
64	SmartIrrigation Avocado App: A Step-by-Step Guide. <i>Edis</i> , 2015, 2015, 6.	0.0	1
65	Closure to "Interactive Irrigation Tool for Simulating Smart Irrigation Technologies in Lawn Turf" by N. A. Dobbs, K. W. Migliaccio, M. D. Dukes, K. T. Morgan, and Y. C. Li. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2015, 141, 07014049.	0.6	0
66	Optimal Organic Fertilizer Rates for Greenhouse Production of Container Fresh Herbs. <i>Communications in Soil Science and Plant Analysis</i> , 2019, 50, 228-235.	0.6	0
67	Best Management Practices (BMPs): Perimeter Borders. <i>Edis</i> , 2021, 2021, .	0.0	0
68	Total Maximum Daily Loads and Agricultural BMPs in Florida. <i>Edis</i> , 2006, 2006, .	0.0	0
69	How Likely Is a 100-Year Rainfall Event During the Next Ten Years?. <i>Edis</i> , 2018, 2018, .	0.0	0
70	ET-Based Irrigation Scheduling for Papaya (<i>Carica papaya</i>) in Florida. <i>Edis</i> , 2020, 2020, .	0.0	0
71	Programaci3n de Riego Basado en el M3todo de Evapotranspiraci3n Para Papaya (<i>Carica papaya</i>) en Florida. <i>Edis</i> , 2020, 2020, .	0.0	0
72	Consejos Basicos para Dise1ar Sistemas Eficientes de Riego. <i>Edis</i> , 2020, 2020, 10.	0.0	0

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73	Basic Tips for Designing Efficient Irrigation Systems. Edis, 2020, 2020, .	0.0	0
74	Regulaciones y Guías para la Quimigación. Edis, 2021, 2021, .	0.0	0