

# Kati W Migliaccio

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/2052662/kati-w-migliaccio-publications-by-citations.pdf>

**Version:** 2024-04-24

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

61  
papers

1,812  
citations

17  
h-index

42  
g-index

74  
ext. papers

2,093  
ext. citations

3.1  
avg, IF

4.78  
L-index

#	Paper	IF	Citations
61	Removal of arsenic by magnetic biochar prepared from pinewood and natural hematite. <i>Bioresource Technology</i> , <b>2015</b> , 175, 391-5	11	410
60	Contribution of wastewater treatment plant effluents to nutrient dynamics in aquatic systems: a review. <i>Environmental Management</i> , <b>2009</b> , 44, 205-17	3.1	287
59	Manganese oxide-modified biochars: preparation, characterization, and sorption of arsenate and lead. <i>Bioresource Technology</i> , <b>2015</b> , 181, 13-7	11	254
58	Physicochemical and sorptive properties of biochars derived from woody and herbaceous biomass. <i>Chemosphere</i> , <b>2015</b> , 134, 257-62	8.4	140
57	Evaluating, interpreting, and communicating performance of hydrologic/water quality models considering intended use: A review and recommendations. <i>Environmental Modelling and Software</i> , <b>2014</b> , 57, 40-51	5.2	79
56	Land use disturbance indicators and water quality variability in the Biscayne Bay Watershed, Florida. <i>Ecological Indicators</i> , <b>2011</b> , 11, 1093-1104	5.8	76
55	Development and assessment of a smartphone application for irrigation scheduling in cotton. <i>Computers and Electronics in Agriculture</i> , <b>2016</b> , 127, 249-259	6.5	43
54	Spatial Distributions and Stochastic Parameter Influences on SWAT Flow and Sediment Predictions. <i>Journal of Hydrologic Engineering - ASCE</i> , <b>2008</b> , 13, 258-269	1.8	43
53	Evaluation of landscape and instream modeling to predict watershed nutrient yields. <i>Environmental Modelling and Software</i> , <b>2007</b> , 22, 987-999	5.2	34
52	Plant response to evapotranspiration and soil water sensor irrigation scheduling methods for papaya production in south Florida. <i>Agricultural Water Management</i> , <b>2010</b> , 97, 1452-1460	5.9	33
51	Nutrient discharges to Biscayne Bay, Florida: trends, loads, and a pollutant index. <i>Science of the Total Environment</i> , <b>2011</b> , 409, 530-9	10.2	31
50	Water savings, nutrient leaching, and fruit yield in a young avocado orchard as affected by irrigation and nutrient management. <i>Irrigation Science</i> , <b>2012</b> , 30, 275-286	3.1	27
49	Surface water quality evaluation using multivariate methods and a new water quality index in the Indian River Lagoon, Florida. <i>Water Resources Research</i> , <b>2007</b> , 43,	5.4	26
48	Linking Spatial Variations in Water Quality with Water and Land Management using Multivariate Techniques. <i>Journal of Environmental Quality</i> , <b>2014</b> , 43, 599-610	3.4	21
47	Trend Analysis of Nutrient Concentrations and Loads in Selected Canals of the Southern Indian River Lagoon, Florida. <i>Water, Air, and Soil Pollution</i> , <b>2007</b> , 186, 195-208	2.6	21
46	Evaluating irrigation applied and nitrogen leached using different smart irrigation technologies on bahiagrass ( <i>Paspalum notatum</i> ). <i>Irrigation Science</i> , <b>2014</b> , 32, 193-203	3.1	19
45	Impact of time-scale of the calibration objective function on the performance of watershed models. <i>Hydrological Processes</i> , <b>2007</b> , 21, 3409-3419	3.3	19

44	Evaluating water table response to rainfall events in a shallow aquifer and canal system. <i>Hydrological Processes</i> , <b>2017</b> , 31, 3907-3919	3.3	15
43	Performance evaluation of urban turf irrigation smartphone app. <i>Computers and Electronics in Agriculture</i> , <b>2015</b> , 118, 136-142	6.5	14
42	An irrigation schedule testing model for optimization of the Smartirrigation avocado app. <i>Agricultural Water Management</i> , <b>2017</b> , 179, 390-400	5.9	14
41	Seasonality of selected surface water constituents in the Indian River Lagoon, Florida. <i>Journal of Environmental Quality</i> , <b>2007</b> , 36, 416-25	3.4	14
40	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> , <b>2007</b> , 21, 3226-3228	3.3	14
39	Dynamic factor analysis of surface water management impacts on soil and bedrock water contents in Southern Florida Lowlands. <i>Journal of Hydrology</i> , <b>2013</b> , 488, 55-72	6	10
38	Characteristics of Soil Phosphorus in Tree Island Hardwood Hammocks of the Southern Florida Everglades. <i>Soil Science Society of America Journal</i> , <b>2013</b> , 77, 1048-1056	2.5	9
37	Water quality trends at inflows to Everglades National Park, 1977-2005. <i>Journal of Environmental Quality</i> , <b>2010</b> , 39, 1724-33	3.4	9
36	Planting date and in-row plant spacing effects on growth and yield of cabbage under plastic mulch. <i>Scientia Horticulturae</i> , <b>2016</b> , 202, 49-56	4.1	9
35	Optimizing cotton irrigation and nitrogen management using a soil water balance model and in-season nitrogen applications. <i>Agricultural Water Management</i> , <b>2019</b> , 216, 306-314	5.9	8
34	Evaluation and comparison of interpolated gauge rainfall data and gridded rainfall data in Florida, USA. <i>Hydrological Sciences Journal</i> , <b>2018</b> , 63, 561-582	3.5	8
33	Predicting Soil Water Content Using the Drained to Equilibrium Concept. <i>Vadose Zone Journal</i> , <b>2011</b> , 10, 675-682	2.7	8
32	Long Term Expanding-Disk Rain Sensor Accuracy. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , <b>2012</b> , 138, 16-20	1.1	8
31	Oxygen Amendment on Growth and Nitrogen Use Efficiency of Flooded Italian Basil. <i>International Journal of Vegetable Science</i> , <b>2013</b> , 19, 217-227	1.2	7
30	Interactive Irrigation Tool for Simulating Smart Irrigation Technologies in Lawn Turf. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , <b>2013</b> , 139, 747-754	1.1	6
29	Phosphorus release from ash and remaining tissues of two wetland species after a prescribed fire. <i>Journal of Environmental Quality</i> , <b>2010</b> , 39, 1585-93	3.4	6
28	Assessing benefits of irrigation and nutrient management practices on a southeast Florida royal palm ( <i>Roystonea elata</i> ) field nursery. <i>Irrigation Science</i> , <b>2008</b> , 27, 57-66	3.1	6
27	Estimating Field Capacity from Volumetric Soil Water Content Time Series Using Automated Processing Algorithms. <i>Vadose Zone Journal</i> , <b>2018</b> , 17, 180073	2.7	6

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> , <b>2018</b> , 53, 1372-1378	2.4	6
25	Modelling decision-making regarding wetland services for wetland management in Tram Chim National Park, Vietnam. <i>Journal of Environmental Economics and Policy</i> , <b>2016</b> , 5, 28-48	1.8	5
24	Investigation of long-term trends in selected physical and chemical parameters of inflows to Everglades National Park, 1977-2005. <i>Environmental Monitoring and Assessment</i> , <b>2011</b> , 178, 525-36	3.1	5
23	A Smart Irrigation Tool to Determine the Effects of ENSO on Water Requirements for Tomato Production in Mozambique. <i>Water (Switzerland)</i> , <b>2018</b> , 10, 1820	3	5
22	Sunn hemp intercrop and mulch increases papaya growth and reduces wind speed and virus damage. <i>Scientia Horticulturae</i> , <b>2017</b> , 218, 304-315	4.1	4
21	Modelling soil water dynamics considering measurement uncertainty. <i>Hydrological Processes</i> , <b>2015</b> , 29, 692-711	3.3	4
20	Effects of Polymer Coated Urea and Irrigation Rates on Lantana Growth and Nitrogen Leaching. <i>Soil Science Society of America Journal</i> , <b>2017</b> , 81, 546-555	2.5	4
19	Assessing above- and below-ground traits of disparate peanut genotypes for determining adaptability to soil hydrologic conditions. <i>Field Crops Research</i> , <b>2018</b> , 219, 98-105	5.5	4
18	Estimation of urban subtropical bahiagrass ( <i>Paspalum notatum</i> ) evapotranspiration using crop coefficients and the eddy covariance method. <i>Hydrological Processes</i> , <b>2014</b> , 28, 4487-4495	3.3	4
17	Phosphorus Adsorption by Ceramic Suction Lysimeters. <i>Vadose Zone Journal</i> , <b>2010</b> , 9, 1092-1099	2.7	4
16	Expanding-Disk Rain Sensor Dry-Out and Potential Irrigation Savings. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , <b>2012</b> , 138, 972-977	1.1	4
15	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> , <b>2014</b> , 146, 185-200	5.9	3
14	Coupling hydrologic and economic modeling for wetland management multi-optimization in Tram Chim National Park, Vietnam. <i>Journal of Environmental Planning and Management</i> , <b>2017</b> , 60, 842-861	2.8	3
13	Smartirrigation Apps: Urban Turf. <i>Edis</i> , <b>2013</b> , 2013,	1.3	3
12	Cost-benefit Analysis of Cabbage Grown Using a Plasticulture and Seepage Bare Ground Production System in Florida. <i>HortTechnology</i> , <b>2016</b> , 26, 699-706	1.3	3
11	Soil Water Dynamics of Shallow Water Table Soils Cultivated With Potato Crop. <i>Vadose Zone Journal</i> , <b>2018</b> , 17, 180077	2.7	3
10	A simulation model for estimating root zone saturation indices of agricultural crops in a shallow aquifer and canal system. <i>Agricultural Water Management</i> , <b>2019</b> , 220, 36-49	5.9	2
9	Evapotranspiration-Based Irrigation for Agriculture: Sources of Evapotranspiration Data for Irrigation Scheduling in Florida. <i>Edis</i> , <b>2020</b> , 2020,	1.3	2

8	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> , <b>2020</b> , 63, 1385-1400	0.9	2
7	Determining water requirements for young peach trees in a humid subtropical climate. <i>Agricultural Water Management</i> , <b>2020</b> , 233, 106102	5.9	1
6	Irrigation Savings from Smart Irrigation Technologies and a Smartphone App on Turfgrass. <i>Transactions of the ASABE</i> , <b>2020</b> , 63, 1697-1709	0.9	1
5	Potential Sources of Errors in Estimating Plant Sap Flow Using Commercial Thermal Dissipation Probes. <i>Applied Engineering in Agriculture</i> , <b>2018</b> , 34, 899-906	0.8	1
4	Using Cluster Analysis to Compartmentalize a Large Managed Wetland Based on Physical, Biological, and Climatic Geospatial Attributes. <i>Environmental Management</i> , <b>2018</b> , 62, 571-583	3.1	0
3	Water uptake dynamics for adult peach trees in a subtropical humid climate. <i>Scientia Horticulturae</i> , <b>2020</b> , 267, 109318	4.1	
2	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> , <b>2015</b> , 141, 07014049	1.1	
1	Optimal Organic Fertilizer Rates for Greenhouse Production of Container Fresh Herbs. <i>Communications in Soil Science and Plant Analysis</i> , <b>2019</b> , 50, 228-235	1.5	