Deanna L Osmond

List of Publications by Year
in descending order

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75 papers	1,993 citations	346980 22 h-index	312153 41 g-index
76 all docs	76 docs citations	76 times ranked	2514 citing authors

#	Article	IF	Citations
1	Minimum dataset and metadata guidelines for soilâ€test correlation and calibration research. Soil Science Society of America Journal, 2022, 86, 19-33.	1.2	13
2	Why soil testing is not enough: A mixed methods study of farmer nutrient management decision-making among U.S. producers. Journal of Environmental Management, 2022, 314, 115027.	3.8	8
3	Defining relative yield for soil test correlation and calibration trials in the Fertilizer Recommendation Support Tool. Soil Science Society of America Journal, 2022, 86, 1338-1353.	1.2	5
4	The Agricultural Conservation Planning Framework: Opportunities and challenges in the eastern United States. Agricultural and Environmental Letters, 2021, 6, e20054.	0.8	2
5	Variation in soilâ€testâ€based phosphorus and potassium rate recommendations across the southern USA. Soil Science Society of America Journal, 2021, 85, 975-988.	1.2	7
6	Development of a soil test correlation and calibration database for the USA. Agricultural and Environmental Letters, 2021, 6, .	0.8	5
7	Comparison of soil health metrics for a Cecil soil in the North Carolina Piedmont. Soil Science Society of America Journal, 2020, 84, 978-993.	1.2	19
8	Quantifying the impacts of the Conservation Effects Assessment Project watershed assessments: The first fifteen years. Journal of Soils and Water Conservation, 2020, 75, 57A-74A.	0.8	20
9	FRST: A national soil testing database to improve fertility recommendations. Agricultural and Environmental Letters, 2020, 5, e20008.	0.8	13
10	Optimum Nitrogen Rates for Maize and Wheat in North Carolina. Agronomy Journal, 2019, 111, 2558-2568.	0.9	16
11	Phosphorus and Soil Health Management Practices. Agricultural and Environmental Letters, 2019, 4, 190014.	0.8	25
12	Comparing Four Methods of Measuring Soil Organic Matter in North Carolina Soils. Soil Science Society of America Journal, 2019, 83, 466-474.	1.2	66
13	Nutrient Export from Agricultural Watersheds in the Piedmont and Coastal Plain, North Carolina. Transactions of the ASABE, 2019, 62, 1135-1145.	1.1	1
14	A Response to â€œReanalysis Validates Soil Health Indicator Sensitivity and Correlation with Longâ€term Crop Yieldsâ€• Soil Science Society of America Journal, 2019, 83, 1842-1845.	1.2	13
15	Development of PLEAD: A Database Containing Eventâ€based Runoff Phosphorus Loadings from Agricultural Fields. Journal of Environmental Quality, 2019, 48, 510-517.	1.0	3
16	Application of monitoring to inform policy and programs and achieve water quality goals. Journal of Soils and Water Conservation, 2018, 73, 11A-15A.	0.8	4
17	The impact of relative individual ecosystem demand on stacking ecosystem credit markets. Ecosystem Services, 2018, 29, 137-144.	2.3	4
18	Evaluation of Adaptâ€N and Realistic Yield Expectation Approaches for Maize Nitrogen Management in North Carolina. Soil Science Society of America Journal, 2018, 82, 1449-1458.	1.2	7

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19	Soilâ€Test Biological Activity with the Flush of CO₂: I. C and N Characteristics of Soils in Corn Production. Soil Science Society of America Journal, 2018, 82, 685-695.	1.2	41
20	Strengths and Limitations of Nitrogen Rate Recommendations for Corn and Opportunities for Improvement. Agronomy Journal, 2018, 110, 1-37.	0.9	212
21	The Relationship between Land Use and Vulnerability to Nitrogen and Phosphorus Pollution in an Urban Watershed. Journal of Environmental Quality, 2017, 46, 113-122.	1.0	47
22	Policy Utopias for Nutrient Credit Trading Programs with Nonpoint Sources. Journal of the American Water Resources Association, 2017, 53, 514-520.	1.0	21
23	An economic inquisition of water quality trading programs, with a case study of Jordan Lake, NC. Journal of Environmental Management, 2017, 193, 483-490.	3.8	20
24	Soil Health Indicators Do Not Differentiate among Agronomic Management Systems in North Carolina Soils. Soil Science Society of America Journal, 2017, 81, 828-843.	1.2	98
25	Trading on risk: The moral logics and economic reasoning of North Carolina farmers in water quality trading markets. Economic Anthropology (Hoboken, N J), 2017, 4, 225-238.	0.4	21
26	Evaluation of Phosphorus Site Assessment Tools: Lessons from the USA. Journal of Environmental Quality, 2017, 46, 1250-1256.	1.0	39
27	Commentary on â€œA possible trade-off between clean air and clean waterâ€•by Smith et al. (2017). Journal of Soils and Water Conservation, 2017, 72, 121A-122A.	0.8	0
28	Evaluation of the TBET Model for Potential Improvement of Southern P Indices. Journal of Environmental Quality, 2017, 46, 1341-1348.	1.0	11
29	Evaluation of Nitrogenâ€Loss Prevention Amendments in Maize and Wheat in North Carolina. Agronomy Journal, 2017, 109, 1811-1824.	0.9	9
30	Evaluation of Environmentally Smart Nitrogen in winter wheat in North Carolina. Crops & Soils, 2017, 50, 44-50.	0.1	0
31	Evaluation of the APEX Model to Simulate Runoff Quality from Agricultural Fields in the Southern Region of the United States. Journal of Environmental Quality, 2017, 46, 1357-1364.	1.0	19
32	Southern Phosphorus Indices, Water Quality Data, and Modeling (APEX, APLE, and TBET) Results: A Comparison. Journal of Environmental Quality, 2017, 46, 1296-1305.	1.0	21
33	Evaluation of Environmentally Smart Nitrogen in Winter Wheat in North Carolina. Crop, Forage and Turfgrass Management, 2017, 3, 1-7.	0.2	2
34	Comparing an Annual and a Daily Timeâ€Step Model for Predicting Fieldâ€Scale Phosphorus Loss. Journal of Environmental Quality, 2017, 46, 1314-1322.	1.0	14
35	Determination of Biosolids Phosphorus Solubility and Its Relationship to Wastewater Treatment. Water Environment Research, 2016, 88, 602-610.	1.3	9
36	Role of Conservation Adoption Premiums on Participation in Water Quality Trading Programs. Water (Switzerland), 2016, 8, 245.	1.2	11

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37	Effectiveness of Livestock Exclusion in a Pasture of Central North Carolina. Journal of Environmental Quality, 2016, 45, 1926-1932.	1.0	9
38	Nutrients in the nexus. Journal of Environmental Studies and Sciences, 2016, 6, 25-38.	0.9	29
39	Roadside soils show low plant available zinc and copper concentrations. Environmental Pollution, 2016, 209, 30-37.	3.7	27
40	Comparison of Surface Water Quality and Yields from Organically and Conventionally Produced Sweet Corn Plots with Conservation and Conventional Tillage. Journal of Environmental Quality, 2015, 44, 1861-1870.	1.0	12
41	Farmersâ€™ Use of Nutrient Management: Lessons from Watershed Case Studies. Journal of Environmental Quality, 2015, 44, 382-390.	1.0	75
42	Updating North Carolina Corn Yields and Nitrogen Recommendations to Match Current Production Practices and New Hybrids. Crop, Forage and Turfgrass Management, 2015, 1, 1-8.	0.2	10
43	Comparing nitrous oxide losses from three residential landscapes under different management schemes following natural rainfall events. Urban Ecosystems, 2015, 18, 1227-1243.	1.1	1
44	Groundwater Nitrate Concentration Reductions in a Riparian Buffer Enrolled in the <scp>NC</scp> Conservation Reserve Enhancement Program. Journal of the American Water Resources Association, 2014, 50, 653-664.	1.0	9
45	Toward a Synthesis: Lessons from Thirteen Cropland Watershed-Scale Studies. Society and Natural Resources, 2014, 27, 341-357.	0.9	11
46	Soil biological properties, soil losses and corn yield in long-term organic and conventional farming systems. Soil and Tillage Research, 2014, 139, 37-45.	2.6	41
47	The capacity of roadside vegetated filter strips and swales to sequester carbon. Ecological Engineering, 2013, 54, 227-232.	1.6	35
48	Riparian buffer located in an upland landscape position does not enhance nitrate-nitrogen removal. Ecological Engineering, 2013, 52, 252-261.	1.6	10
49	Evaluation of an Organic Copolymer Fertilizer Additive on Phosphorus Starter Fertilizer Response by Corn. Crop Management, 2013, 12, 1-11.	0.3	7
50	Fertilizer Use in Regulated River Basins: Is it What We Think?. Journal of Contemporary Water Research and Education, 2013, 151, 20-26.	0.7	6
51	Phosphorus Indices: Why We Need to Take Stock of How We Are Doing. Journal of Environmental Quality, 2012, 41, 1711-1719.	1.0	76
52	Groundwater nitrate reductions within upstream and downstream sections of a riparian buffer. Ecological Engineering, 2012, 47, 297-307.	1.6	28
53	Relationships Between Nitrogen Transformation Rates and Gene Abundance in a Riparian Buffer Soil. Environmental Management, 2012, 50, 861-874.	1.2	16
54	Effects of Lawn Maintenance on Nutrient Losses Via Overland Flow During Natural Rainfall Events¹. Journal of the American Water Resources Association, 2012, 48, 909-924.	1.0	19

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55	Phosphorus leaching in a sandy soil as affected by organic and inorganic fertilizer sources. Geoderma, 2011, 161, 194-201.	2.3	127
56	Evaluation of Alternative Nitrogen Fertilizers for Corn and Winter Wheat Production. Agronomy Journal, 2010, 102, 1226-1236.	0.9	51
57	The role of interface organizations in science communication and understanding. Frontiers in Ecology and the Environment, 2010, 8, 306-313.	1.9	46
58	Tillage Practices and Nitrogen Rates on Pickling Cucumber Production. International Journal of Vegetable Science, 2010, 17, 13-25.	0.6	5
59	Nitrogen Release from Coated Urea Fertilizers in Different Soils. Communications in Soil Science and Plant Analysis, 2010, 41, 1245-1256.	0.6	29
60	Soil Organic Matter Effects on Phosphorus Sorption: A Path Analysis. Soil Science Society of America Journal, 2009, 73, 360-366.	1.2	124
61	Effect of Vegetation Management on Bird Habitat in Riparian Buffer Zones. Southeastern Naturalist, 2008, 7, 277-288.	0.2	16
62	INFLUENCE OF MEHLICH-3 EXTRACTABLE ALUMINUM ON PHOSPHORUS RETENTION IN ORGANIC SOILS. Soil Science, 2008, 173, 119-129.	0.9	12
63	Response of Corn and Cotton to Starter Phosphorus on Soils Testing Very High in Phosphorus. Agronomy Journal, 2008, 100, AGJ2AGRONJ20070202.	0.9	9
64	Winter Wheat and Maize Response to Urea Ammonium Nitrate and a New Urea Formaldehyde Polymer Fertilizer. Agronomy Journal, 2007, 99, 1645-1653.	0.9	19
65	Predicted Impact and Evaluation of North Carolina's Phosphorus Indexing Tool. Journal of Environmental Quality, 2005, 34, 1801-1810.	1.0	20
66	Characterization of Turf Practices in Five North Carolina Communities. Journal of Environmental Quality, 2004, 33, 565-575.	1.0	50
67	In-Season Optimization and Site-Specific Nitrogen Management for Soft Red Winter Wheat. Agronomy Journal, 2004, 96, 124.	0.9	26
68	Characterization of Turf Practices in Five North Carolina Communities. Journal of Environmental Quality, 2004, 33, 565.	1.0	15
69	Construction of Platinumâ€Tipped Redox Probes for Determining Soil Redox Potential. Journal of Environmental Quality, 2004, 33, 2375-2379.	1.0	25
70	Pollutant Export from Various Land Uses in the Upper Neuse River Basin. Water Environment Research, 2002, 74, 100-108.	1.3	105
71	Characterization of Suburban Nitrogen Fertilizer and Water Use on Residential Turf in Cary, North Carolina. HortTechnology, 2000, 10, 320-325.	0.5	16
72	Nonpoint Sources. Water Environment Research, 1999, 71, 1054-1069.	1.3	12

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73	Nonpoint sources. Water Environment Research, 1998, 70, 895-912.	1.3	10
74	Nonpoint sources. Water Environment Research, 1997, 69, 844-860.	1.3	11
75	Fatty Acid Composition and Nitrate Uptake of Soybean Roots during Acclimation to Low Temperature. Plant Physiology, 1982, 70, 1689-1693.	2.3	18