John F Shanahan

List of Publications by Year
in descending order

31	1,840	394286	434063
papers	citations	19 h-index	31 g-index

31	31	31	1830
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Corn Nitrogen Nutrition Index Prediction Improved by Integrating Genetic, Environmental, and Management Factors with Active Canopy Sensing Using Machine Learning. Remote Sensing, 2022, 14, 394.	1.8	19
2	Improving publicly available corn nitrogen rate recommendation tools with soil and weather measurements. Agronomy Journal, 2021, 113, 2068-2090.	0.9	10
3	Data from a publicâ€“industry partnership for enhancing corn nitrogen research. Agronomy Journal, 2021, 113, 4429.	0.9	4
4	Soilâ€nitrogen, potentially mineralizableâ€nitrogen, and field condition information marginally improves corn nitrogen management. Agronomy Journal, 2020, 112, 4332-4343.	0.9	10
5	Weather and soil in the US Midwest influence the effectiveness of singleâ€and splitâ€nitrogen applications in corn production. Agronomy Journal, 2020, 112, 5288-5299.	0.9	11
6	Soil sample timing, nitrogen fertilization, and incubation length influence anaerobic potentially mineralizable nitrogen. Soil Science Society of America Journal, 2020, 84, 627-637.	1.2	10
7	Corn nitrogen rate recommendation toolsâ€™ performance across eight US midwest corn belt states. Agronomy Journal, 2020, 112, 470-492.	0.9	38
8	Adjusting corn nitrogen management by including a mineralizableâ€nitrogen test with the preplant and presidedress nitrate tests. Agronomy Journal, 2020, 112, 3050-3064.	0.9	5
9	Statistical and machine learning methods evaluated for incorporating soil and weather into corn nitrogen recommendations. Computers and Electronics in Agriculture, 2019, 164, 104872.	3.7	66
10	Predicting Economic Optimal Nitrogen Rate with the Anaerobic Potentially Mineralizable Nitrogen Test. Agronomy Journal, 2019, 111, 3329-3338.	0.9	10
11	United States Midwest Soil and Weather Conditions Influence Anaerobic Potentially Mineralizable Nitrogen. Soil Science Society of America Journal, 2019, 83, 1137-1147.	1.2	18
12	Application of Machine Learning Methodologies for Predicting Corn Economic Optimal Nitrogen Rate. Agronomy Journal, 2018, 110, 2596-2607.	0.9	49
13	A Publicâ€“Industry Partnership for Enhancing Corn Nitrogen Research and Datasets: Project Description, Methodology, and Outcomes. Agronomy Journal, 2017, 109, 2371-2389.	0.9	40
14	Lateâ€Split Nitrogen Applications Increased Maize Plant Nitrogen Recovery but not Yield under Moderate to High Nitrogen Rates. Agronomy Journal, 2017, 109, 2689-2699.	0.9	55
15	Downscaling Landsat 7 canopy reflectance employing a multi-soil sensor platform. Precision Agriculture, 2016, 17, 53-73.	3.1	9
16	Validating a Digital Soil Map with Corn Yield Data for Precision Agriculture Decision Support. Agronomy Journal, 2016, 108, 957-965.	0.9	26
17	An evaluation of MODIS 8- and 16-day composite products for monitoring maize green leaf area index. Agricultural and Forest Meteorology, 2012, 161, 15-25.	1.9	87
18	Relationships between Soil-Based Management Zones and Canopy Sensing for Corn Nitrogen Management. Agronomy Journal, 2012, 104, 119-129.	0.9	19

#	Article	IF	Citations
19	Water and Nitrogen Effects on Active Canopy Sensor Vegetation Indices. Agronomy Journal, 2011, 103, 1815-1826.	0.9	44
20	An Active Sensor Algorithm for Corn Nitrogen Recommendations Based on a Chlorophyll Meter Algorithm. Agronomy Journal, 2010, 102, 1090-1098.	0.9	49
21	Optimization of Crop Canopy Sensor Placement for Measuring Nitrogen Status in Corn. Agronomy Journal, 2009, 101, 140-149.	0.9	18
22	Active Sensor Reflectance Measurements of Corn Nitrogen Status and Yield Potential. Agronomy Journal, 2008, 100, 571-579.	0.9	166
23	Use of Chlorophyll Fluorescence Assessments to Differentiate Corn Hybrid Response To Variable Water Conditions. Crop Science, 2006, 46, 681-687.	0.8	91
24	Appropriateness of Management Zones for Characterizing Spatial Variability of Soil Properties and Irrigated Corn Yields across Years. Agronomy Journal, 2004, 96, 195.	0.9	160
25	Feasibility of Site-Specific Management of Corn Hybrids and Plant Densities in the Great Plains. Precision Agriculture, 2004, 5, 207-225.	3.1	37
26	Agronomic Responses of Corn Hybrids from Different Eras to Deficit and Adequate Levels of Water and Nitrogen. Agronomy Journal, 2004, 96, 1660-1667.	0.9	106
27	Appropriateness of Management Zones for Characterizing Spatial Variability of Soil Properties and Irrigated Corn Yields across Years. Agronomy Journal, 2004, 96, 195-203.	0.9	62
28	Siteâ€Specific Management Zones Based on Soil Electrical Conductivity in a Semiarid Cropping System. Agronomy Journal, 2003, 95, 303-315.	0.9	51
29	Site-Specific Management Zones Based on Soil Electrical Conductivity in a Semiarid Cropping System. Agronomy Journal, 2003, 95, 303.	0.9	85
30	Fieldâ€Scale Electrical Conductivity Mapping for Delineating Soil Condition. Soil Science Society of America Journal, 2001, 65, 1829-1837.	1.2	158
31	Use of Remoteâ€Sensing Imagery to Estimate Corn Grain Yield. Agronomy Journal, 2001, 93, 583-589.	0.9	327