John F Shanahan

List of Publications by Year
in descending order

31 papers	1,840 citations	394286 19 h-index	434063 31 g-index
31 all docs	31 docs citations	31 times ranked	1830 citing authors

#	Article	IF	Citations
1	Use of Remoteâ€Sensing Imagery to Estimate Corn Grain Yield. Agronomy Journal, 2001, 93, 583-589.	0.9	327
2	Active Sensor Reflectance Measurements of Corn Nitrogen Status and Yield Potential. Agronomy Journal, 2008, 100, 571-579.	0.9	166
3	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
4	Fieldâ€Scale Electrical Conductivity Mapping for Delineating Soil Condition. Soil Science Society of America Journal, 2001, 65, 1829-1837.	1.2	158
5	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
6	Use of Chlorophyll Fluorescence Assessments to Differentiate Corn Hybrid Response To Variable Water Conditions. Crop Science, 2006, 46, 681-687.	0.8	91
7	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
8	Site-Specific Management Zones Based on Soil Electrical Conductivity in a Semiarid Cropping System. Agronomy Journal, 2003, 95, 303.	0.9	85
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	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
11	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
12	Siteâ€Specific Management Zones Based on Soil Electrical Conductivity in a Semiarid Cropping System. Agronomy Journal, 2003, 95, 303-315.	0.9	51
13	An Active Sensor Algorithm for Corn Nitrogen Recommendations Based on a Chlorophyll Meter Algorithm. Agronomy Journal, 2010, 102, 1090-1098.	0.9	49
14	Application of Machine Learning Methodologies for Predicting Corn Economic Optimal Nitrogen Rate. Agronomy Journal, 2018, 110, 2596-2607.	0.9	49
15	Water and Nitrogen Effects on Active Canopy Sensor Vegetation Indices. Agronomy Journal, 2011, 103, 1815-1826.	0.9	44
16	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
17	Corn nitrogen rate recommendation toolsâ€™ performance across eight US midwest corn belt states. Agronomy Journal, 2020, 112, 470-492.	0.9	38
18	Feasibility of Site-Specific Management of Corn Hybrids and Plant Densities in the Great Plains. Precision Agriculture, 2004, 5, 207-225.	3.1	37

#	Article	IF	Citations
19	Validating a Digital Soil Map with Corn Yield Data for Precision Agriculture Decision Support. Agronomy Journal, 2016, 108, 957-965.	0.9	26
20	Relationships between Soil-Based Management Zones and Canopy Sensing for Corn Nitrogen Management. Agronomy Journal, 2012, 104, 119-129.	0.9	19
21	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
22	Optimization of Crop Canopy Sensor Placement for Measuring Nitrogen Status in Corn. Agronomy Journal, 2009, 101, 140-149.	0.9	18
23	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
24	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
25	Predicting Economic Optimal Nitrogen Rate with the Anaerobic Potentially Mineralizable Nitrogen Test. Agronomy Journal, 2019, 111, 3329-3338.	0.9	10
26	Soilâ€nitrogen, potentially mineralizableâ€nitrogen, and field condition information marginally improves corn nitrogen management. Agronomy Journal, 2020, 112, 4332-4343.	0.9	10
27	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
28	Improving publicly available corn nitrogen rate recommendation tools with soil and weather measurements. Agronomy Journal, 2021, 113, 2068-2090.	0.9	10
29	Downscaling Landsat 7 canopy reflectance employing a multi-soil sensor platform. Precision Agriculture, 2016, 17, 53-73.	3.1	9
30	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
31	Data from a publicâ€"industry partnership for enhancing corn nitrogen research. Agronomy Journal, 2021, 113, 4429.	0.9	4