

# Harold M Van Es

## List of Publications by Year in descending order

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Version: 2024-02-01

81  
papers

3,287  
citations

136950

32  
h-index

161849

54  
g-index

85  
all docs

85  
docs citations

85  
times ranked

3359  
citing authors

#	ARTICLE	IF	CITATIONS
1	Strengths and Limitations of Nitrogen Rate Recommendations for Corn and Opportunities for Improvement. <i>Agronomy Journal</i> , 2018, 110, 1-37.	1.8	212
2	No-till and cropping system diversification improve soil health and crop yield. <i>Geoderma</i> , 2018, 328, 30-43.	5.1	187
3	Statistics, Scoring Functions, and Regional Analysis of a Comprehensive Soil Health Database. <i>Soil Science Society of America Journal</i> , 2017, 81, 589-601.	2.2	164
4	Farmer-oriented assessment of soil quality using field, laboratory, and VNIR spectroscopy methods. <i>Plant and Soil</i> , 2008, 307, 243-253.	3.7	147
5	Nitrate Leaching and Nitrogen Budget as Affected by Maize Nitrogen Rate and Soil Type. <i>Journal of Environmental Quality</i> , 2000, 29, 1813-1820.	2.0	142
6	The Nitrogen Balancing Act: Tracking the Environmental Performance of Food Production. <i>BioScience</i> , 2018, 68, 194-203.	4.9	136
7	Comprehensive assessment of soil quality for landscape and urban management. <i>Landscape and Urban Planning</i> , 2008, 88, 73-80.	7.5	121
8	Long-term Effects of Harvesting Maize Stover and Tillage on Soil Quality. <i>Soil Science Society of America Journal</i> , 2008, 72, 960-969.	2.2	119
9	Losses of Ammonia and Nitrate from Agriculture and Their Effect on Nitrogen Recovery in the European Union and the United States between 1900 and 2050. <i>Journal of Environmental Quality</i> , 2015, 44, 356-367.	2.0	100
10	Reanalysis Validates Soil Health Indicator Sensitivity and Correlation with Long-term Crop Yields. <i>Soil Science Society of America Journal</i> , 2019, 83, 721-732.	2.2	92
11	Orchard Groundcover Management Impacts on Soil Physical Properties. <i>Journal of the American Society for Horticultural Science</i> , 1994, 119, 216-222.	1.0	90
12	Effect of Manure Application Timing, Crop, and Soil Type on Nitrate Leaching. <i>Journal of Environmental Quality</i> , 2006, 35, 670-679.	2.0	89
13	EVALUATION OF LABORATORY-MEASURED SOIL PROPERTIES AS INDICATORS OF SOIL PHYSICAL QUALITY. <i>Soil Science</i> , 2007, 172, 895-912.	0.9	83
14	Integrated Assessment of Space, Time, and Management-Related Variability of Soil Hydraulic Properties. <i>Soil Science Society of America Journal</i> , 1999, 63, 1599-1608.	2.2	78
15	Human-Soil Relations are Changing Rapidly: Proposals from SSSA's Cross-Divisional Soil Change Working Group. <i>Soil Science Society of America Journal</i> , 2011, 75, 2079-2084.	2.2	70
16	Quality as a Driver of Sustainable Agricultural Value Chains: The Case of the Relationship Coffee Model. <i>Business Strategy and the Environment</i> , 2018, 27, 179-198.	14.3	68
17	Soil Protein as a Rapid Soil Health Indicator of Potentially Available Organic Nitrogen. <i>Agricultural and Environmental Letters</i> , 2018, 3, 180006.	1.2	65
18	The soil health assessment protocol and evaluation applied to soil organic carbon. <i>Soil Science Society of America Journal</i> , 2021, 85, 1196-1213.	2.2	56

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19	Spatially-Balanced Complete Block designs for field experiments. <i>Geoderma</i> , 2007, 140, 346-352.	5.1	55
20	Predicting measures of soil health using the microbiome and supervised machine learning. <i>Soil Biology and Biochemistry</i> , 2022, 164, 108472.	8.8	55
21	Effect of manure application timing, crop, and soil type on phosphorus leaching. <i>Journal of Environmental Quality</i> , 2004, 33, 1070-80.	2.0	55
22	Evaluation of system of rice intensification (SRI) component practices and their synergies on salt-affected soils. <i>Field Crops Research</i> , 2008, 109, 34-44.	5.1	46
23	Combined use of hyperspectral VNIR reflectance spectroscopy and kriging to predict soil variables spatially. <i>Precision Agriculture</i> , 2011, 12, 395-420.	6.0	45
24	Strategies for Soil Quality Assessment Using Visible and Near-Infrared Reflectance Spectroscopy in a Western Kenya Chronosequence. <i>Soil Science Society of America Journal</i> , 2012, 76, 1776-1788.	2.2	43
25	Tillage and Rotation Effects on Soil Physical Characteristics. <i>Agronomy Journal</i> , 2002, 94, 299.	1.8	41
26	Arbuscular mycorrhizal fungi associated with a single agronomic plant host across the landscape: Community differentiation along a soil textural gradient. <i>Soil Biology and Biochemistry</i> , 2013, 64, 191-199.	8.8	41
27	Single-event nitrous oxide losses under maize production as affected by soil type, tillage, rotation, and fertilization. <i>Soil and Tillage Research</i> , 2009, 102, 19-26.	5.6	40
28	Mapping Soil Health over Large Agriculturally Important Areas. <i>Soil Science Society of America Journal</i> , 2015, 79, 1420-1434.	2.2	39
29	Dynamic Model Improves Agronomic and Environmental Outcomes for Maize Nitrogen Management over Static Approach. <i>Journal of Environmental Quality</i> , 2017, 46, 311-319.	2.0	38
30	Spatial Growth and Nitrogen Uptake Variability of Corn at Two Nitrogen Levels. <i>Agronomy Journal</i> , 2003, 95, 1000-1011.	1.8	37
31	Long-term remediation of compacted urban soils by physical fracturing and incorporation of compost. <i>Urban Forestry and Urban Greening</i> , 2017, 24, 149-156.	5.3	36
32	Spatial Yield Response of Two Corn Hybrids at Two Nitrogen Levels. <i>Agronomy Journal</i> , 2003, 95, 1012-1022.	1.8	32
33	Maize Nitrogen Response as Affected by Soil Type and Drainage Variability. <i>Precision Agriculture</i> , 2005, 6, 281-295.	6.0	32
34	Dynamic changes in compressive properties and crop response after chisel tillage in a highly weathered soil. <i>Soil and Tillage Research</i> , 2019, 186, 183-190.	5.6	32
35	Shoot and Root Growth of Three Tree Species in Sidewalks. <i>Journal of Environmental Horticulture</i> , 2001, 19, 206-211.	0.5	32
36	Evaluation of temporal, spatial, and tillage-induced variability for parameterization of soil infiltration. <i>Geoderma</i> , 1993, 60, 187-199.	5.1	31

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37	Evaluation of the PNM Model for Simulating Drain Flow Nitrate-N Concentration Under Manure-Fertilized Maize. <i>Plant and Soil</i> , 2006, 282, 343-360.	3.7	28
38	Soil Test, Aerial Image and Yield Data as Inputs for Site-specific Fertility and Hybrid Management Under Maize. <i>Precision Agriculture</i> , 2005, 6, 87-110.	6.0	26
39	Quantitative soil profile-scale assessment of the sustainability of long-term maize residue and tillage management. <i>Soil and Tillage Research</i> , 2017, 174, 34-44.	5.6	26
40	Cover Cropping and Nutrient Management Strategies for Maize Production in Western Africa. <i>Agronomy Journal</i> , 2006, 98, 883-889.	1.8	24
41	Spatial and Temporal Variability of Preferential Flow in a Clay Soil under No-till and Plow-till. <i>Journal of Environmental Quality</i> , 1999, 28, 1264-1273.	2.0	23
42	Large topsoil organic carbon variability is controlled by Andisol properties and effectively assessed by VNIR spectroscopy in a coffee agroforestry system of Costa Rica. <i>Geoderma</i> , 2016, 262, 254-265.	5.1	23
43	Biological and thermochemical conversion of human solid waste to soil amendments. <i>Waste Management</i> , 2019, 89, 366-378.	7.4	22
44	Physicochemical and Structural Properties of an Oxisol under the Addition of Straw and Lime. <i>Soil Science Society of America Journal</i> , 2017, 81, 1328-1339.	2.2	21
45	Modeling Slope Stability in Honduras. <i>Soil Science Society of America Journal</i> , 2003, 67, 268-278.	2.2	19
46	Assessment of the quality of the Harran Plain soils under long-term cultivation. <i>Environmental Monitoring and Assessment</i> , 2017, 189, 460.	2.7	19
47	Lowering soil greenhouse gas emissions without sacrificing yields by increasing crop rotation diversity in the North China Plain. <i>Field Crops Research</i> , 2022, 276, 108366.	5.1	19
48	Soil chemical management drives structural degradation of Oxisols under a no-till cropping system. <i>Soil Research</i> , 2017, 55, 819.	1.1	18
49	Selecting soil hydraulic properties as indicators of soil health: Measurement response to management and site characteristics. <i>Soil Science Society of America Journal</i> , 2022, 86, 1206-1226.	2.2	18
50	Drainage and Nitrate Leaching from Artificially Drained Maize Fields Simulated by the Precision Nitrogen Management Model. <i>Journal of Environmental Quality</i> , 2016, 45, 2044-2052.	2.0	17
51	Influence of Residue Management and Tillage Systems on Carbon Sequestration and Nitrogen, Phosphorus, and Potassium Dynamics of Soil and Plant and Wheat Production in Semi-arid Region. <i>Communications in Soil Science and Plant Analysis</i> , 2011, 42, 528-547.	1.4	16
52	Overcoming Compaction Limitations on Cabbage Growth and Yield in the Transition to Reduced Tillage. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2007, 42, 1690-1694.	1.0	16
53	Soil health characterization in smallholder agricultural catchments in India. <i>Applied Soil Ecology</i> , 2019, 138, 171-180.	4.3	15
54	Rye Mulch Management Affects Short-term Indicators of Soil Quality in the Transition to Conservation Tillage for Cabbage. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2008, 43, 862-867.	1.0	15

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55	Cropping system and soil texture shape soil health outcomes and scoring functions. <i>Soil Security</i> , 2021, 4, 100012.	2.3	14
56	Modeling Slope Stability in Honduras. <i>Soil Science Society of America Journal</i> , 2003, 67, 268.	2.2	12
57	Sampling and Data Analysis Optimization for Estimating Soil Organic Carbon Stocks in Agroecosystems. <i>Soil Science Society of America Journal</i> , 2016, 80, 1377-1392.	2.2	11
58	Modeling Nitrogen Dynamics under Maize on Ferralsols in Western Africa. <i>Nutrient Cycling in Agroecosystems</i> , 2006, 74, 99-113.	2.2	10
59	Soil health assessment for coffee farms on andosols in Colombia. <i>Geoderma Regional</i> , 2018, 14, e00176.	2.1	10
60	Nitrous oxide emissions are greater in silt loam soils with a legacy of manure application than without. <i>Biology and Fertility of Soils</i> , 2013, 49, 1123-1129.	4.3	9
61	Nitrate leaching reduced with Dynamic Adaptive nitrogen management under contrasting soils and tillage. <i>Soil Science Society of America Journal</i> , 2020, 84, 220-231.	2.2	9
62	Effects of N placement, carbon distribution and temperature on N <sub>2</sub> O emissions in clay loam and loamy sand soils. <i>Soil Use and Management</i> , 2013, 29, 240-249.	4.9	8
63	Dynamic tools unify fragmented 4Rs into an integrative nitrogen management approach. <i>Journal of Soils and Water Conservation</i> , 2018, 73, 107A-112A.	1.6	8
64	Subsurface Drainage Water Quality from Structured Soil. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 1995, 121, 239-247.	1.0	7
65	Evaluation of Adaptive and Realistic Yield Expectation Approaches for Maize Nitrogen Management in North Carolina. <i>Soil Science Society of America Journal</i> , 2018, 82, 1449-1458.	2.2	7
66	Linking Coffee to Soil. <i>Soil Science</i> , 2019, 184, 25-33.	0.9	5
67	EFFECT OF DEEP TILLAGE AND MICROTOPOGRAPHY ON CORN YIELD ON RECLAIMED SURFACE-MINED LANDS <sup>1,2</sup> . <i>Soil Science</i> , 1988, 145, 173-179.	0.9	4
68	Nitrogen and Phosphorus Availability of Biologically and Thermochemically Decomposed Human Wastes and Urine in Soils With Different Texture and pH. <i>Soil Science</i> , 2018, 183, 51-65.	0.9	4
69	Soil health changes from grassland to row crops conversion on Natric Aridisols in South Dakota, USA. <i>Geoderma Regional</i> , 2021, 26, e00425.	2.1	3
70	Restoring soil health to reduce irrigation demand and buffer the impacts of drought. <i>Frontiers of Agricultural Science and Engineering</i> , 2020, 7, 339.	1.4	3
71	Within-Field Profitability Analysis Informs Agronomic Management Decisions in the Mid-Atlantic USA. <i>Agricultural and Environmental Letters</i> , 2016, 1, 160034.	1.2	2
72	Spatio-temporal analysis of yield and weather data for defining site-specific crop management zones. <i>Precision Agriculture</i> , 2021, 22, 1952-1972.	6.0	2

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73	Soils and Human Health: Connections Between Geo-Environmental, Socio-Demographic, and Lifestyle factors and Nutrition of Tribal Women of Jharkhand, India. <i>Frontiers in Soil Science</i> , 0, 2, .	2.2	1
74	Economics of Purchasing a Yield Monitor for Split-Planter Corn Hybrid Testing. <i>Agronomy Journal</i> , 2004, 96, 1469-1474.	1.8	0
75	Leadership and our strategic vision. <i>CSA News</i> , 2016, 61, 21-21.	0.0	0
76	We Are Growing!. <i>CSA News</i> , 2016, 61, 34-34.	0.0	0
77	Keep the Fire Burnin'!. <i>CSA News</i> , 2016, 61, 25-25.	0.0	0
78	The Impact of Composted, Municipal Biosolid Amendments to Soil on the Growth and Nutrient Content of Rhododendron 'PJM'. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2004, 39, 789C-789.	1.0	0
79	(58) Suppression of <i>Phytophthora cinnamomi</i> Activity on Rhododendron 'PJM' Elite' by Two Compost-amended Container Media under Two Irrigation Regimes and Nursery Conditions. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2005, 40, 997A-997.	1.0	0
80	(57) Bioassays and Small-scale Greenhouse Experiments Conducted to Evaluate the Suppression of <i>Phytophthora cinnamomi</i> Activity on Rhododendron 'PJM' Elite' by Different Composts Incorporated into Growing Media. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2005, 40, 996-997.	1.0	0
81	Historical and Emerging Soil and Water Conservation Issues in the Northeastern USA. <i>SSSA Special Publication Series</i> , 0, , 163-182.	0.2	0