Harold M Van Es

List of Publications by Year
in descending order

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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	Predicting measures of soil health using the microbiome and supervised machine learning. Soil Biology and Biochemistry, 2022, 164, 108472.	8.8	55
2	Lowering soil greenhouse gas emissions without sacrificing yields by increasing crop rotation diversity in the North China Plain. Field Crops Research, 2022, 276, 108366.	5.1	19
3	Selecting soil hydraulic properties as indicators of soil health: Measurement response to management and site characteristics. Soil Science Society of America Journal, 2022, 86, 1206-1226.	2.2	18
4	Spatio-temporal analysis of yield and weather data for defining site-specific crop management zones. Precision Agriculture, 2021, 22, 1952-1972.	6.0	2
5	The soil health assessment protocol and evaluation applied to soil organic carbon. Soil Science Society of America Journal, 2021, 85, 1196-1213.	2.2	56
6	Soil health changes from grassland to row crops conversion on Natric Aridisols in South Dakota, USA. Geoderma Regional, 2021, 26, e00425.	2.1	3
7	Cropping system and soil texture shape soil health outcomes and scoring functions. Soil Security, 2021, 4, 100012.	2.3	14
8	Nitrate leaching reduced with Dynamicâ€Adaptive nitrogen management under contrasting soils and tillage. Soil Science Society of America Journal, 2020, 84, 220-231.	2.2	9
9	Restoring soil health to reduce irrigation demand and buffer the impacts of drought. Frontiers of Agricultural Science and Engineering, 2020, 7, 339.	1.4	3
10	Reanalysis Validates Soil Health Indicator Sensitivity and Correlation with Longâ€term Crop Yields. Soil Science Society of America Journal, 2019, 83, 721-732.	2.2	92
11	Biological and thermochemical conversion of human solid waste to soil amendments. Waste Management, 2019, 89, 366-378.	7.4	22
12	Soil health characterization in smallholder agricultural catchments in India. Applied Soil Ecology, 2019, 138, 171-180.	4.3	15
13	Linking Coffee to Soil. Soil Science, 2019, 184, 25-33.	0.9	5
14	Dynamic changes in compressive properties and crop response after chisel tillage in a highly weathered soil. Soil and Tillage Research, 2019, 186, 183-190.	5.6	32
15	Quality as a Driver of Sustainable Agricultural Value Chains: The Case of the Relationship Coffee Model. Business Strategy and the Environment, 2018, 27, 179-198.	14.3	68
16	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.	2.2	7
17	Nitrogen and Phosphorus Availability of Biologically and Thermochemically Decomposed Human Wastes and Urine in Soils With Different Texture and pH. Soil Science, 2018, 183, 51-65.	0.9	4
18	The Nitrogen Balancing Act: Tracking the Environmental Performance of Food Production. BioScience, 2018, 68, 194-203.	4.9	136

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19	No-till and cropping system diversification improve soil health and crop yield. Geoderma, 2018, 328, 30-43.	5.1	187
20	Soil health assessment for coffee farms on andosols in Colombia. Geoderma Regional, 2018, 14, e00176.	2.1	10
21	Dynamic tools unify fragmented 4Rs into an integrative nitrogen management approach. Journal of Soils and Water Conservation, 2018, 73, 107A-112A.	1.6	8
22	Strengths and Limitations of Nitrogen Rate Recommendations for Corn and Opportunities for Improvement. Agronomy Journal, 2018, 110, 1-37.	1.8	212
23	Soil Protein as a Rapid Soil Health Indicator of Potentially Available Organic Nitrogen. Agricultural and Environmental Letters, 2018, 3, 180006.	1.2	65
24	Long-term remediation of compacted urban soils by physical fracturing and incorporation of compost. Urban Forestry and Urban Greening, 2017, 24, 149-156.	5.3	36
25	Assessment of the quality of the Harran Plain soils under long-term cultivation. Environmental Monitoring and Assessment, 2017, 189, 460.	2.7	19
26	Dynamic Model Improves Agronomic and Environmental Outcomes for Maize Nitrogen Management over Static Approach. Journal of Environmental Quality, 2017, 46, 311-319.	2.0	38
27	Quantitative soil profile-scale assessment of the sustainability of long-term maize residue and tillage management. Soil and Tillage Research, 2017, 174, 34-44.	5.6	26
28	Soil chemical management drives structural degradation of Oxisols under a no-till cropping system. Soil Research, 2017, 55, 819.	1.1	18
29	Physicochemical and Structural Properties of an Oxisol under the Addition of Straw and Lime. Soil Science Society of America Journal, 2017, 81, 1328-1339.	2.2	21
30	Statistics, Scoring Functions, and Regional Analysis of a Comprehensive Soil Health Database. Soil Science Society of America Journal, 2017, 81, 589-601.	2.2	164
31	Leadership and our strategic vision. CSA News, 2016, 61, 21-21.	0.0	0
32	We Are Growing!. CSA News, 2016, 61, 34-34.	0.0	0
33	Within‐Field Profitability Analysis Informs Agronomic Management Decisions in the Mid‐Atlantic USA. Agricultural and Environmental Letters, 2016, 1, 160034.	1.2	2
34	Keep the Fire Burnin'â€¦. CSA News, 2016, 61, 25-25.	0.0	0
35	Drainage and Nitrate Leaching from Artificially Drained Maize Fields Simulated by the Precision Nitrogen Management Model. Journal of Environmental Quality, 2016, 45, 2044-2052.	2.0	17
36	Sampling and Data Analysis Optimization for Estimating Soil Organic Carbon Stocks in Agroecosystems. Soil Science Society of America Journal, 2016, 80, 1377-1392.	2.2	11

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37	Large topsoil organic carbon variability is controlled by Andisol properties and effectively assessed by VNIR spectroscopy in a coffee agroforestry system of Costa Rica. Geoderma, 2016, 262, 254-265.	5.1	23
38	Mapping Soil Health over Large Agriculturally Important Areas. Soil Science Society of America Journal, 2015, 79, 1420-1434.	2.2	39
39	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. Journal of Environmental Quality, 2015, 44, 356-367.	2.0	100
40	Nitrous oxide emissions are greater in silt loam soils with a legacy of manure application than without. Biology and Fertility of Soils, 2013, 49, 1123-1129.	4.3	9
41	Effects of N placement, carbon distribution and temperature on N₂O emissions in clay loam and loamy sand soils. Soil Use and Management, 2013, 29, 240-249.	4.9	8
42	Arbuscular mycorrhizal fungi associated with a single agronomic plant host across the landscape: Community differentiation along a soil textural gradient. Soil Biology and Biochemistry, 2013, 64, 191-199.	8.8	41
43	Strategies for Soil Quality Assessment Using Visible and Nearâ€Infrared Reflectance Spectroscopy in a Western Kenya Chronosequence. Soil Science Society of America Journal, 2012, 76, 1776-1788.	2.2	43
44	Combined use of hyperspectral VNIR reflectance spectroscopy and kriging to predict soil variables spatially. Precision Agriculture, 2011, 12, 395-420.	6.0	45
45	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. Communications in Soil Science and Plant Analysis, 2011, 42, 528-547.	1.4	16
46	Human-Soil Relations are Changing Rapidly: Proposals from SSSA's Cross-Divisional Soil Change Working Group. Soil Science Society of America Journal, 2011, 75, 2079-2084.	2.2	70
47	Single-event nitrous oxide losses under maize production as affected by soil type, tillage, rotation, and fertilization. Soil and Tillage Research, 2009, 102, 19-26.	5.6	40
48	Farmer-oriented assessment of soil quality using field, laboratory, and VNIR spectroscopy methods. Plant and Soil, 2008, 307, 243-253.	3.7	147
49	Comprehensive assessment of soil quality for landscape and urban management. Landscape and Urban Planning, 2008, 88, 73-80.	7.5	121
50	Evaluation of system of rice intensification (SRI) component practices and their synergies on salt-affected soils. Field Crops Research, 2008, 109, 34-44.	5.1	46
51	Longâ€Term Effects of Harvesting Maize Stover and Tillage on Soil Quality. Soil Science Society of America Journal, 2008, 72, 960-969.	2.2	119
52	Rye Mulch Management Affects Short-term Indicators of Soil Quality in the Transition to Conservation Tillage for Cabbage. Hortscience: A Publication of the American Society for Hortcultural Science, 2008, 43, 862-867.	1.0	15
53	EVALUATION OF LABORATORY-MEASURED SOIL PROPERTIES AS INDICATORS OF SOIL PHYSICAL QUALITY. Soil Science, 2007, 172, 895-912.	0.9	83
54	Spatially-Balanced Complete Block designs for field experiments. Geoderma, 2007, 140, 346-352.	5.1	55

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55	Overcoming Compaction Limitations on Cabbage Growth and Yield in the Transition to Reduced Tillage. Hortscience: A Publication of the American Society for Hortcultural Science, 2007, 42, 1690-1694.	1.0	16
56	Cover Cropping and Nutrient Management Strategies for Maize Production in Western Africa. Agronomy Journal, 2006, 98, 883-889.	1.8	24
57	Effect of Manure Application Timing, Crop, and Soil Type on Nitrate Leaching. Journal of Environmental Quality, 2006, 35, 670-679.	2.0	89
58	Evaluation of the PNM Model for Simulating Drain Flow Nitrate-N Concentration Under Manure-Fertilized Maize. Plant and Soil, 2006, 282, 343-360.	3.7	28
59	Modeling Nitrogen Dynamics under Maize on Ferralsols in Western Africa. Nutrient Cycling in Agroecosystems, 2006, 74, 99-113.	2.2	10
60	Soil Test, Aerial Image and Yield Data as Inputs for Site-specific Fertility and Hybrid Management Under Maize. Precision Agriculture, 2005, 6, 87-110.	6.0	26
61	Maize Nitrogen Response as Affected by Soil Type and Drainage Variability. Precision Agriculture, 2005, 6, 281-295.	6.0	32
62	(58) Suppression of Phytophthora cinnamomi Activity on Rhododendro Ã— PJM `Elite' by Two Compost-amended Container Media under Two Irrigation Regimes and Nursery Conditions. Hortscience: A Publication of the American Society for Hortcultural Science, 2005, 40, 997A-997.	1.0	0
63	(57) Bioassays and Small-scale Greenhouse Experiments Conducted to Evaluate the Suppression of Phytophthora cinnamomi Activity on Rhododendron Ã— PJM `Elite' by Different Composts Incorporated into Growing Media. Hortscience: A Publication of the American Society for Hortcultural Science, 2005, 40, 996-997.	1.0	0
64	Economics of Purchasing a Yield Monitor for Splitâ€Planter Corn Hybrid Testing. Agronomy Journal, 2004, 96, 1469-1474.	1.8	0
65	The Impact of Composted, Municipal Biosolid Amendments to Soil on the Growth and Nutrient Content of Rhododendron Ã— `PJM'. Hortscience: A Publication of the American Society for Hortcultural Science, 2004, 39, 789C-789.	1.0	0
66	Effect of manure application timing, crop, and soil type on phosphorus leaching. Journal of Environmental Quality, 2004, 33, 1070-80.	2.0	55
67	Spatial Growth and Nitrogen Uptake Variability of Corn at Two Nitrogen Levels. Agronomy Journal, 2003, 95, 1000-1011.	1.8	37
68	Modeling Slope Stability in Honduras. Soil Science Society of America Journal, 2003, 67, 268-278.	2.2	19
69	Spatial Yield Response of Two Corn Hybrids at Two Nitrogen Levels. Agronomy Journal, 2003, 95, 1012-1022.	1.8	32
70	Modeling Slope Stability in Honduras. Soil Science Society of America Journal, 2003, 67, 268.	2.2	12
71	Tillage and Rotation Effects on Soil Physical Characteristics. Agronomy Journal, 2002, 94, 299.	1.8	41
72	Shoot and Root Growth of Three Tree Species in Sidewalks. Journal of Environmental Horticulture, 2001, 19, 206-211.	0.5	32

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73	Nitrate Leaching and Nitrogen Budget as Affected by Maize Nitrogen Rate and Soil Type. Journal of Environmental Quality, 2000, 29, 1813-1820.	2.0	142
74	Spatialâ€"Temporal Variability of Preferential Flow in a Clay Soil under Noâ€Till and Plowâ€Till. Journal of Environmental Quality, 1999, 28, 1264-1273.	2.0	23
75	Integrated Assessment of Space, Time, and Managementâ€Related Variability of Soil Hydraulic Properties. Soil Science Society of America Journal, 1999, 63, 1599-1608.	2.2	78
76	Subsurface Drainage Water Quality from Structured Soil. Journal of Irrigation and Drainage Engineering - ASCE, 1995, 121, 239-247.	1.0	7
77	Orchard Groundcover Management Impacts on Soil Physical Properties. Journal of the American Society for Horticultural Science, 1994, 119, 216-222.	1.0	90
78	Evaluation of temporal, spatial, and tillage-induced variability for parameterization of soil infiltration. Geoderma, 1993, 60, 187-199.	5.1	31
79	EFFECT OF DEEP TILLAGE AND MICROTOPOGRAPHY ON CORN YIELD ON RECLAIMED SURFACE-MINED LANDS1,2. Soil Science, 1988, 145, 173-179.	0.9	4
80	Historical and Emerging Soil and Water Conservation Issues in the Northeastern USA. SSSA Special Publication Series, 0, , 163-182.	0.2	0
81	Soils and Human Health: Connections Between Geo-Environmental, Socio-Demographic, and Lifestyle factors and Nutrition of Tribal Women of Jharkhand, India. Frontiers in Soil Science, 0, 2, .	2.2	1