

# Frits K Van Evert

## List of Publications by Year in descending order

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Version: 2024-02-01

34  
papers

1,252  
citations

331670

21  
h-index

395702

33  
g-index

35  
all docs

35  
docs citations

35  
times ranked

1565  
citing authors

#	ARTICLE	IF	CITATIONS
1	Supply chains for processed potato and tomato products in the United States will have enhanced resilience with planting adaptation strategies. <i>Nature Food</i> , 2021, 2, 862-872.	14.0	10
2	Smart Farming Technology Trends: Economic and Environmental Effects, Labor Impact, and Adoption Readiness. <i>Agronomy</i> , 2020, 10, 743.	3.0	55
3	Weekly defoliation controls, but does not kill broadleaved dock ( <i>Rumex obtusifolius</i> ). <i>Weed Research</i> , 2020, 60, 161-170.	1.7	13
4	Robot navigation in orchards with localization based on Particle filter and Kalman filter. <i>Computers and Electronics in Agriculture</i> , 2019, 157, 261-269.	7.7	86
5	Assessing the Sustainability Performance of Coffee Farms in Vietnam: A Social Profit Inefficiency Approach. <i>Sustainability</i> , 2018, 10, 4227.	3.2	14
6	Improving access to research outcomes for innovation in agriculture and forestry: the VALERIE project. <i>Italian Journal of Agronomy</i> , 2017, 12, .	1.0	3
7	Big Data for weed control and crop protection. <i>Weed Research</i> , 2017, 57, 218-233.	1.7	64
8	Moving integrated weed management from low level to a truly integrated and highly specific weed management system using advanced technologies. <i>Weed Research</i> , 2017, 57, 1-5.	1.7	28
9	Agronomic effects of bovine manure: A review of long-term European field experiments. <i>European Journal of Agronomy</i> , 2017, 90, 127-138.	4.1	59
10	Advances in Variable Rate Technology Application in Potato in The Netherlands. <i>Potato Research</i> , 2017, 60, 295-305.	2.7	43
11	Can Precision Agriculture Increase the Profitability and Sustainability of the Production of Potatoes and Olives?. <i>Sustainability</i> , 2017, 9, 1863.	3.2	58
12	Long-term effects of best management practices on crop yield and nitrogen surplus. <i>Italian Journal of Agronomy</i> , 2015, 10, 47-50.	1.0	15
13	Benchmarking the sustainability performance of the Brazilian non-GM and GM soybean meal chains: An indicator-based approach. <i>Food Policy</i> , 2015, 55, 22-32.	6.0	14
14	Image-based particle filtering for navigation in a semi-structured agricultural environment. <i>Biosystems Engineering</i> , 2014, 121, 85-95.	4.3	23
15	Laser range finder model for autonomous navigation of a robot in a maize field using a particle filter. <i>Computers and Electronics in Agriculture</i> , 2014, 100, 41-50.	7.7	116
16	A protocol for evaluating the sustainability of agri-food production systems—A case study on potato production in peri-urban agriculture in The Netherlands. <i>Ecological Indicators</i> , 2014, 43, 315-321.	6.3	47
17	Worldwide Sustainability Hotspots in Potato Cultivation. 1. Identification and Mapping. <i>Potato Research</i> , 2013, 56, 343-353.	2.7	31
18	Worldwide Sustainability Hotspots in Potato Cultivation. 2. Areas with Improvement Opportunities. <i>Potato Research</i> , 2013, 56, 355-368.	2.7	6

#	ARTICLE	IF	CITATIONS
19	Satellite-based herbicide rate recommendation for potato haulm killing. <i>European Journal of Agronomy</i> , 2012, 43, 49-57.	4.1	13
20	Using crop reflectance to determine sidedress N rate in potato saves N and maintains yield. <i>European Journal of Agronomy</i> , 2012, 43, 58-67.	4.1	44
21	The role of textures to improve the detection accuracy of <i>Rumex obtusifolius</i> in robotic systems. <i>Weed Research</i> , 2012, 52, 430-440.	1.7	11
22	A robot to detect and control broadleaved dock ( <i>Rumex obtusifolius</i> L.) in grassland. <i>Journal of Field Robotics</i> , 2011, 28, 264-277.	6.0	57
23	Real-time vision-based detection of <i>Rumex obtusifolius</i> in grassland. <i>Weed Research</i> , 2009, 49, 164-174.	1.7	44
24	Is it possible to increase the sustainability of arable and ruminant agriculture by reducing inputs?. <i>Agricultural Systems</i> , 2009, 99, 117-125.	6.1	94
25	Comparison of models used for national agricultural ammonia emission inventories in Europe: Liquid manure systems. <i>Atmospheric Environment</i> , 2008, 42, 3452-3464.	4.1	44
26	Publishing Agronomic Data. <i>Agronomy Journal</i> , 2008, 100, 1396-1400.	1.8	16
27	Imaging Spectroscopy for On-Farm Measurement of Grassland Yield and Quality. <i>Agronomy Journal</i> , 2006, 98, 1318-1325.	1.8	36
28	A Mobile Field Robot with Vision-Based Detection of Volunteer Potato Plants in a Corn Crop. <i>Weed Technology</i> , 2006, 20, 853-861.	0.9	27
29	The ModCom modular simulation system. <i>European Journal of Agronomy</i> , 2003, 18, 333-343.	4.1	54
30	A Database for Agroecological Research Data: I. Data Model. <i>Agronomy Journal</i> , 1999, 91, 54-62.	1.8	15
31	A Database for Agroecological Research Data: II. A Relational Implementation. <i>Agronomy Journal</i> , 1999, 91, 62-71.	1.8	13
32	CropSyst: A Collection of Object-Oriented Simulation Models of Agricultural Systems. <i>Agronomy Journal</i> , 1994, 86, 325-331.	1.8	41
33	A framework for evaluating the sustainability of agricultural production systems. <i>Renewable Agriculture and Food Systems</i> , 1994, 9, 45-50.	0.5	54
34	UAV-based Multispectral & Thermal dataset for exploring the diurnal variability, radiometric & geometric accuracy for precision agriculture. <i>Open Data Journal for Agricultural Research</i> , 0, 6, 1-7.	1.3	4