

# Elisabet Lewan

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

645  
citations

567281  
15  
h-index

752698  
20  
g-index

21  
all docs

21  
docs citations

21  
times ranked

986  
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of Spatial Soil and Climate Input Data Aggregation on Regional Yield Simulations. PLoS ONE, 2016, 11, e0151782.	2.5	78
2	A framework for modelling soil structure dynamics induced by biological activity. Global Change Biology, 2020, 26, 5382-5403.	9.5	75
3	Effects of a catch crop on leaching of nitrogen from a sandy soil: Simulations and measurements. Plant and Soil, 1994, 166, 137-152.	3.7	66
4	Implications of precipitation patterns and antecedent soil water content for leaching of pesticides from arable land. Agricultural Water Management, 2009, 96, 1633-1640.	5.6	51
5	Simulations of soil carbon and nitrogen dynamics during seven years in a catch crop experiment. Agricultural Systems, 2003, 76, 95-114.	6.1	42
6	Direct and indirect effects of climate change on herbicide leaching – A regional scale assessment in Sweden. Science of the Total Environment, 2015, 514, 239-249.	8.0	37
7	SVAT modeling over the Alpilles-ReSeDA experiment: comparing SVAT models over wheat fields. Agronomy for Sustainable Development, 2002, 22, 651-668.	0.8	32
8	The chaos in calibrating crop models: Lessons learned from a multi-model calibration exercise. Environmental Modelling and Software, 2021, 145, 105206.	4.5	31
9	Predicting pesticide leaching under climate change: Importance of model structure and parameter uncertainty. Agriculture, Ecosystems and Environment, 2013, 172, 24-34.	5.3	29
10	The implication of input data aggregation on up-scaling soil organic carbon changes. Environmental Modelling and Software, 2017, 96, 361-377.	4.5	28
11	Impact analysis of climate data aggregation at different spatial scales on simulated net primary productivity for croplands. European Journal of Agronomy, 2017, 88, 41-52.	4.1	27
12	Evaluating the precision of eight spatial sampling schemes in estimating regional means of simulated yield for two crops. Environmental Modelling and Software, 2016, 80, 100-112.	4.5	26
13	The response of process-based agro-ecosystem models to within-field variability in site conditions. Field Crops Research, 2018, 228, 1-19.	5.1	25
14	Management and spatial resolution effects on yield and water balance at regional scale in crop models. Agricultural and Forest Meteorology, 2019, 275, 184-195.	4.8	22
15	Key functional soil types explain data aggregation effects on simulated yield, soil carbon, drainage and nitrogen leaching at a regional scale. Geoderma, 2018, 318, 167-181.	5.1	17
16	Multi-model evaluation of phenology prediction for wheat in Australia. Agricultural and Forest Meteorology, 2021, 298-299, 108289.	4.8	17
17	Effects of input data aggregation on simulated crop yields in temperate and Mediterranean climates. European Journal of Agronomy, 2019, 103, 32-46.	4.1	16
18	Implications of Spatial Variability of Soil Physical Properties for Simulation of Evaporation at the Field Scale. Water Resources Research, 1996, 32, 2067-2074.	4.2	13

#	ARTICLE	IF	CITATIONS
19	Impact of the North Atlantic Oscillation on Swedish Winter Climate and Nutrient Leaching. Journal of Environmental Quality, 2019, 48, 941-949.	2.0	6
20	Coupled modelling of hydrological processes and grassland production in two contrasting climates. Hydrology and Earth System Sciences, 2022, 26, 2277-2299.	4.9	4