Elisabet Lewan

List of Publications by Year
in descending order

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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	Coupled modelling of hydrological processes and grassland production in two contrasting climates. Hydrology and Earth System Sciences, 2022, 26, 2277-2299.	4.9	4
2	Multi-model evaluation of phenology prediction for wheat in Australia. Agricultural and Forest Meteorology, 2021, 298-299, 108289.	4.8	17
3	The chaos in calibrating crop models: Lessons learned from a multi-model calibration exercise. Environmental Modelling and Software, 2021, 145, 105206.	4.5	31
4	A framework for modelling soil structure dynamics induced by biological activity. Global Change Biology, 2020, 26, 5382-5403.	9.5	75
5	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
6	Impact of the North Atlantic Oscillation on Swedish Winter Climate and Nutrient Leaching. Journal of Environmental Quality, 2019, 48, 941-949.	2.0	6
7	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
8	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
9	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
10	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
11	The implication of input data aggregation on up-scaling soil organic carbon changes. Environmental Modelling and Software, 2017, 96, 361-377.	4.5	28
12	Impact of Spatial Soil and Climate Input Data Aggregation on Regional Yield Simulations. PLoS ONE, 2016, 11, e0151782.	2.5	78
13	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
14	Direct and indirect effects of climate change on herbicide leaching â€" A regional scale assessment in Sweden. Science of the Total Environment, 2015, 514, 239-249.	8.0	37
15	Predicting pesticide leaching under climate change: Importance of model structure and parameter uncertainty. Agriculture, Ecosystems and Environment, 2013, 172, 24-34.	5.3	29
16	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
17	Simulations of soil carbon and nitrogen dynamics during seven years in a catch crop experiment. Agricultural Systems, 2003, 76, 95-114.	6.1	42
18	SVAT modeling over the Alpilles-ReSeDA experiment: comparing SVAT models over wheat fields. Agronomy for Sustainable Development, 2002, 22, 651-668.	0.8	32

#	Article	IF	Citations
19	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
20	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