Per Abrahamsen

List of Publications by Year
in descending order

22	874	759233 12	713466 21
papers	citations	h-index	g-index

22	22	22	1137
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Daisy: an open soil-crop-atmosphere system model. Environmental Modelling and Software, 2000, 15, 313-330.	4.5	274
2	Daisy: Model Use, Calibration, and Validation. Transactions of the ASABE, 2012, 55, 1317-1335.	1.1	144
3	Incorporating remote sensing data in physically based distributed agro-hydrological modelling. Journal of Hydrology, 2004, 287, 279-299.	5.4	142
4	Remote sensing based evapotranspiration and runoff modeling of agricultural, forest and urban flux sites in Denmark: From field to macro-scale. Journal of Hydrology, 2009, 377, 300-316.	5.4	64
5	Optimising crop production and nitrate leaching in China: Measured and simulated effects of straw incorporation and nitrogen fertilisation. European Journal of Agronomy, 2016, 80, 32-44.	4.1	43
6	Calibration procedure for a potato crop growth model using information from across Europe. Ecological Modelling, 2008, 211, 209-223.	2.5	28
7	Modelling of root ABA synthesis, stomatal conductance, transpiration and potato production under water saving irrigation regimes. Agricultural Water Management, 2010, 98, 425-439.	5.6	27
8	Integrated modelling of crop production and nitrate leaching with the Daisy model. MethodsX, 2016, 3, 350-363.	1.6	18
9	Climate change impacts on agro-climatic indices derived from downscaled weather generator scenarios for eastern Denmark. European Journal of Agronomy, 2018, 101, 222-238.	4.1	18
10	Changes in soil water balance following afforestation of former arable soils in Denmark as evaluated using the DAISY model. Journal of Hydrology, 2013, 484, 128-139.	5.4	16
11	Comparison of simulated water, nitrate, and bromide transport using a Hooghoudt-based and a dynamic drainage model. Water Resources Research, 2014, 50, 1080-1094.	4.2	14
12	Effects of Single Rainfall Events on Leaching of Glyphosate and Bentazone on Two Different Soil Types, using the DAISY Model. Vadose Zone Journal, 2015, 14, 1-15.	2.2	13
13	A Physically Based Model for Preferential Water Flow and Solute Transport in Drained Agricultural Fields. Water Resources Research, 2021, 57, e2020WR027954.	4.2	13
14	Model analysis of the significant drop in protein content in Danish grain crops from 1990-2015. European Journal of Agronomy, 2020, 118, 126068.	4.1	12
15	Effects of winter wheat N status on assimilate and N partitioning in the mechanistic agroecosystem model DAISY. Journal of Agronomy and Crop Science, 2020, 206, 784-805.	3.5	12
16	Dual permeability soil water dynamics and water uptake by roots in irrigated potato fields. Biologia (Poland), 2007, 62, 552-556.	1.5	9
17	Analysis of the significant drop in protein content in Danish grain crops from 1990-2015 based on N-response in fertilizer trials. European Journal of Agronomy, 2020, 115, 126013.	4.1	9
18	A novel model concept for modelling the leaching of natural toxins: results for the case of ptaquiloside. Environmental Sciences: Processes and Impacts, 2020, 22, 1768-1779.	3.5	7

#	Article	IF	Citations
19	Water Balance in Afforestation Chronosequences of Common Oak and Norway Spruce on Former Arable Soils in Denmark as Evaluated Using the DAISY Model. Procedia Environmental Sciences, 2013, 19, 217-223.	1.4	4
20	Wheel track loosening can reduce the risk of pesticide leaching to surface waters. Soil Use and Management, 2021, 37, 906-920.	4.9	4
21	Agricultural Systems. Applied Ecology and Environmental Management, 2011, , 203-239.	0.1	2
22	Modeling Water and Nitrogen Uptake Using a Single-Root Concept. , 2008, , 169-195.		1