Sabine Julia Seidel

List of Publications by Year
in descending order

20 papers	725 citations	623574 14 h-index	752573 20 g-index
21 all docs	21 docs citations	21 times ranked	1092 citing authors

#	Article	IF	Citations
1	Multi-model evaluation of phenology prediction for wheat in Australia. Agricultural and Forest Meteorology, 2021, 298-299, 108289.	1.9	17
2	How well do crop modeling groups predict wheat phenology, given calibration data from the target population?. European Journal of Agronomy, 2021, 124, 126195.	1.9	27
3	The chaos in calibrating crop models: Lessons learned from a multi-model calibration exercise. Environmental Modelling and Software, 2021, 145, 105206.	1.9	31
4	Nutrient supply affects the yield stability of major European crops—a 50 year study. Environmental Research Letters, 2021, 16, 014003.	2.2	15
5	Sugar Beet Shoot and Root Phenotypic Plasticity to Nitrogen, Phosphorus, Potassium and Lime Omission. Agriculture (Switzerland), 2021, 11, 21.	1.4	16
6	Deep Learning for Non-Invasive Diagnosis of Nutrient Deficiencies in Sugar Beet Using RGB Images. Sensors, 2020, 20, 5893.	2.1	22
7	Root trait plasticity and plant nutrient acquisition in phosphorus limited soil. Journal of Plant Nutrition and Soil Science, 2019, 182, 945-952.	1.1	36
8	The influence of climate variability, soil and sowing date on simulation-based crop coefficient curves and irrigation water demand. Agricultural Water Management, 2019, 221, 73-83.	2.4	13
9	Towards improved calibration of crop models – Where are we now and where should we go?. European Journal of Agronomy, 2018, 94, 25-35.	1.9	113
10	Approaches to model the impact of tillage implements on soil physical and nutrient properties in different agro-ecosystem models. Soil and Tillage Research, 2018, 180, 210-221.	2.6	43
11	Implementation and Application of a Root Growth Module in HYDRUS. Vadose Zone Journal, 2018, 17, 1-16.	1.3	42
12	Impact of irrigation on plant growth and development of white cabbage. Agricultural Water Management, 2017, 187, 99-111.	2.4	19
13	The effect of deep tillage on crop yield – What do we really know?. Soil and Tillage Research, 2017, 174, 193-204.	2.6	210
14	Irrigation water demand of common bean on field and regional scale under varying climatic conditions. Meteorologische Zeitschrift, 2016, 25, 365-375.	0.5	4
15	Field Evaluation of Irrigation Scheduling Strategies using a Mechanistic Crop Growth Model. Irrigation and Drainage, 2016, 65, 214-223.	0.8	22
16	Modelling the impact of drought and heat stress on common bean with two different photosynthesis model approaches. Environmental Modelling and Software, 2016, 81, 111-121.	1.9	22
17	Optimal Irrigation Scheduling, Irrigation Control and Drip Line Layout to Increase Water Productivity and Profit in Subsurface Drip‐Irrigated Agriculture. Irrigation and Drainage, 2015, 64, 501-518.	0.8	16
18	Investigation of deficit irrigation strategies combining SVAT-modeling, optimization and experiments. Environmental Earth Sciences, 2014, 72, 4901-4915.	1.3	10

#	Article	IF	Citations
19	Analysis of AET and yield predictions under surface and buried drip irrigation systems using the Crop Model PILOTE and Hydrus-2D. Agricultural Water Management, 2011, 98, 1033-1044.	2.4	41
20	EVALUATION OF THE TRANSFERABILITY OF A SVAT MODEL—RESULTS FROM FIELD AND GREENHOUSE APPLICATIONS. Irrigation and Drainage, 2011, 60, 59-70.	0.8	3