Tobias K D Weber

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4046812/publications.pdf

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28	476	623734	752698
papers	citations	14 h-index	20 g-index

47	47	47	534
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Climate change impact on wheat and maize growth in Ethiopia: A multi-model uncertainty analysis. PLoS ONE, 2022, 17, e0262951.	2.5	18
2	Combining Crop Modeling with Remote Sensing Data Using a Particle Filtering Technique to Produce Real-Time Forecasts of Winter Wheat Yields under Uncertain Boundary Conditions. Remote Sensing, 2022, 14, 1360.	4.0	7
3	Multi-site, multi-crop measurements in the soilâ€“vegetationâ€“atmosphere continuum: a comprehensive dataset from two climatically contrasting regions in southwestern Germany for the period 2009â€“2018. Earth System Science Data, 2022, 14, 1153-1181.	9.9	8
4	A Bayesian sequential updating approach to predict phenology of silage maize. Biogeosciences, 2022, 19, 2187-2209.	3.3	4
5	Same soil, different climate: Crop model intercomparison on translocated lysimeters. Vadose Zone Journal, 2022, 21, .	2.2	4
6	Introduction of a guideline for measurements of greenhouse gas fluxes from soils using nonâ€steadyâ€state chambers. Journal of Plant Nutrition and Soil Science, 2022, 185, 447-461.	1.9	13
7	Multi-model evaluation of phenology prediction for wheat in Australia. Agricultural and Forest Meteorology, 2021, 298-299, 108289.	4.8	17
8	How well do crop modeling groups predict wheat phenology, given calibration data from the target population?. European Journal of Agronomy, 2021, 124, 126195.	4.1	27
9	The chaos in calibrating crop models: Lessons learned from a multi-model calibration exercise. Environmental Modelling and Software, 2021, 145, 105206.	4.5	31
10	Updated European hydraulic pedotransfer functions with communicated uncertainties in the predicted variables (euptfv2). Geoscientific Model Development, 2021, 14, 151-175.	3.6	23
11	Crop growth and soil water fluxes at erosionâ€affected arable sites: Using weighing lysimeter data for model intercomparison. Vadose Zone Journal, 2020, 19, e20058.	2.2	17
12	Review: The influence of global change on Europeâ€™s water cycle and groundwater recharge. Hydrogeology Journal, 2020, 28, 1939-1959.	2.1	42
13	Pedotransfer Function for the Brunswick Soil Hydraulic Property Model and Comparison to the van Genuchtenâ€Mualem Model. Water Resources Research, 2020, 56, e2019WR026820.	4.2	18
14	Analytical expressions for noncapillary soil water retention based on popular capillary retention models. Vadose Zone Journal, 2020, 19, e20042.	2.2	9
15	Managing collaborative research data for integrated, interdisciplinary environmental research. Earth Science Informatics, 2020, 13, 641-654.	3.2	3
16	Evaluating multi-year, multi-site data on the energy balance closure of eddy-covariance flux measurements at cropland sites in southwestern Germany. Biogeosciences, 2019, 16, 521-540.	3.3	25
17	A Modular Framework for Modeling Unsaturated Soil Hydraulic Properties Over the Full Moisture Range. Water Resources Research, 2019, 55, 4994-5011.	4.2	32
18	Eddy covariance based surfaceâ€atmosphere exchange and crop coefficient determination in a mountainous peatland. Ecohydrology, 2019, 12, e2047.	2.4	5

#	Article	IF	Citations
19	Robust Inverse Modeling of Growing Season Net Ecosystem Exchange in a Mountainous Peatland: Influence of Distributional Assumptions on Estimated Parameters and Total Carbon Fluxes. Journal of Advances in Modeling Earth Systems, 2018, 10, 1319-1336.	3.8	5
20	Saturated and unsaturated salt transport in peat from aÂconstructed fen. Soil, 2018, 4, 63-81.	4.9	25
21	Competitive transport processes of chloride, sodium, potassium, and ammonium in fen peat. Journal of Contaminant Hydrology, 2018, 217, 17-31.	3.3	23
22	Unsaturated hydraulic properties of Sphagnum moss and peat reveal trimodal poreâ€size distributions. Water Resources Research, 2017, 53, 415-434.	4.2	45
23	The Role of Pore Structure on Nitrate Reduction in Peat Soil: A Physical Characterization of Pore Distribution and Solute Transport. Wetlands, 2017, 37, 951-960.	1.5	15
24	Modified Technique for Measuring Unsaturated Hydraulic Conductivity inSphagnum Mossand Peat. Soil Science Society of America Journal, 2017, 81, 747-757.	2.2	15
25	A pore-size classification for peat bogs derived from unsaturated hydraulic properties. Hydrology and Earth System Sciences, 2017, 21, 6185-6200.	4.9	22
26	The Chemical Potential of Water in Soils and Sediments. Soil Science Society of America Journal, 2016, 80, 79-83.	2.2	5
27	The geochemical signature of rare-metal pegmatites in the Central Africa Region: Soils, plants, water and stream sediments in the Gatumba tinâ€“tantalum mining district, Rwanda. Journal of Geochemical Exploration, 2014, 144, 539-551.	3.2	11
28	Diagnosing similarities in probabilistic multi-model ensembles: an application to soilâ€“plant-growth-modeling. Modeling Earth Systems and Environment, 0, , .	3.4	2