Peter Greve

List of Publications by Year in descending order

31 papers	3,139 citations	236925 25 h-index	414414 32 g-index
50 all docs	50 docs citations	50 times ranked	4593 citing authors

#	Article	IF	Citations
1	A planetary boundary for green water. Nature Reviews Earth & Environment, 2022, 3, 380-392.	29.7	95
2	Hydrological concept formation inside long short-term memoryÂ(LSTM) networks. Hydrology and Earth System Sciences, 2022, 26, 3079-3101.	4.9	34
3	Intensified Likelihood of Concurrent Warm and Dry Months Attributed to Anthropogenic Climate Change. Water Resources Research, 2022, 58, .	4.2	8
4	Co-development of East African regional water scenarios for 2050. One Earth, 2021, 4, 434-447.	6.8	4
5	Irrigation of biomass plantations may globally increase water stress more than climate change. Nature Communications, 2021, 12, 1512.	12.8	54
6	A Multivariate Conditional Probability Ratio Framework for the Detection and Attribution of Compound Climate Extremes. Geophysical Research Letters, 2021, 48, e2021GL094361.	4.0	16
7	Estimating Regionalized Hydrological Impacts of Climate Change Over Europe by Performance-Based Weighting of CORDEX Projections. Frontiers in Water, 2021, 3, .	2.3	10
8	Challenges for drought assessment in the Mediterranean region under future climate scenarios. Earth-Science Reviews, 2020, 210, 103348.	9.1	224
9	Using the Budyko Framework for Calibrating a Global Hydrological Model. Water Resources Research, 2020, 56, e2019WR026280.	4.2	33
10	Development of the Community Water Model (CWatM v1.04) â€“ a high-resolution hydrological model for global and regional assessment of integrated water resources management. Geoscientific Model Development, 2020, 13, 3267-3298.	3.6	60
11	The aridity Index under global warming. Environmental Research Letters, 2019, 14, 124006.	5.2	124
12	A nexus modeling framework for assessing water scarcity solutions. Current Opinion in Environmental Sustainability, 2019, 40, 72-80.	6.3	27
13	A Continentalâ€Scale Hydroeconomic Model for Integrating Waterâ€Energyâ€Land Nexus Solutions. Water Resources Research, 2018, 54, 7511-7533.	4.2	57
14	Global assessment of water challenges under uncertainty in water scarcity projections. Nature Sustainability, 2018, 1, 486-494.	23.7	274
15	Regional scaling of annual mean precipitation and water availability with global temperature change. Earth System Dynamics, 2018, 9, 227-240.	7.1	64
16	Climate extremes, landâ€“climate feedbacks and land-use forcing at 1.5Â°C. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2018, 376, 20160450.	3.4	46
17	Global exposure and vulnerability to multi-sector development and climate change hotspots. Environmental Research Letters, 2018, 13, 055012.	5.2	162
18	Selenium deficiency risk predicted to increase under future climate change. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 2848-2853.	7.1	260

#	Article	IF	Citations
19	Multiâ€model and multiâ€scenario assessments of Asian water futures: The Water Futures and Solutions (WFaS) initiative. Earth's Future, 2017, 5, 823-852.	6.3	50
20	Largeâ€Scale Controls of the Surface Water Balance Over Land: Insights From a Systematic Review and Metaâ€Analysis. Water Resources Research, 2017, 53, 9659-9678.	4.2	86
21	Correspondence: Flawed assumptions compromise water yield assessment. Nature Communications, 2017, 8, 14795.	12.8	14
22	Changes in regional climate extremes as a function of global mean temperature: an interactive plotting framework. Geoscientific Model Development, 2017, 10, 3609-3634.	3.6	75
23	Simulated changes in aridity from the last glacial maximum to 4xCO ₂. Environmental Research Letters, 2017, 12, 114021.	5.2	44
24	A two-parameter Budyko function to represent conditions under which evapotranspiration exceeds precipitation. Hydrology and Earth System Sciences, 2016, 20, 2195-2205.	4.9	67
25	The sensitivity of water availability to changes in the aridity index and other factorsâ€”A probabilistic analysis in the Budyko space. Geophysical Research Letters, 2016, 43, 6985-6994.	4.0	86
26	The dry season intensity as a key driver of NPP trends. Geophysical Research Letters, 2016, 43, 2632-2639.	4.0	60
27	On the assessment of aridity with changes in atmospheric <scp>CO</scp>₂. Water Resources Research, 2015, 51, 5450-5463.	4.2	194
28	Assessment of future changes in water availability and aridity. Geophysical Research Letters, 2015, 42, 5493-5499.	4.0	136
29	Introducing a probabilistic Budyko framework. Geophysical Research Letters, 2015, 42, 2261-2269.	4.0	93
30	Global assessment of trends in wetting and drying over land. Nature Geoscience, 2014, 7, 716-721.	12.9	613
31	Evaluating Soil Water Content in a WRF-Noah Downscaling Experiment. Journal of Applied Meteorology and Climatology, 2013, 52, 2312-2327.	1.5	28