

Dominik Wisser

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

7,083
citations

430874

18
h-index

839539

18
g-index

20
all docs

20
docs citations

20
times ranked

9468
citing authors

#	ARTICLE	IF	CITATIONS
1	High-resolution mapping of the world's reservoirs and dams for sustainable river-flow management. <i>Frontiers in Ecology and the Environment</i> , 2011, 9, 494-502.	4.0	1,540
2	Multimodel assessment of water scarcity under climate change. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 3245-3250.	7.1	1,282
3	Global water resources affected by human interventions and climate change. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 3251-3256.	7.1	971
4	Constraints and potentials of future irrigation water availability on agricultural production under climate change. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 3239-3244.	7.1	795
5	Hydrological droughts in the 21st century, hotspots and uncertainties from a global multimodel ensemble experiment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 3262-3267.	7.1	583
6	PCR-GLOBWB ² : a 5-arcmin global hydrological and water resources model. <i>Geoscientific Model Development</i> , 2018, 11, 2429-2453.	3.6	307
7	Multimodel projections and uncertainties of irrigation water demand under climate change. <i>Geophysical Research Letters</i> , 2013, 40, 4626-4632.	4.0	302
8	First look at changes in flood hazard in the Inter-Sectoral Impact Model Intercomparison Project ensemble. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 3257-3261.	7.1	246
9	Global irrigation water demand: Variability and uncertainties arising from agricultural and climate data sets. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	235
10	The significance of local water resources captured in small reservoirs for crop production – A global-scale analysis. <i>Journal of Hydrology</i> , 2010, 384, 264-275.	5.4	182
11	Multisectoral climate impact hotspots in a warming world. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 3233-3238.	7.1	149
12	Beyond peak reservoir storage? A global estimate of declining water storage capacity in large reservoirs. <i>Water Resources Research</i> , 2013, 49, 5732-5739.	4.2	130
13	Where Does the Irrigation Water Go? An Estimate of the Contribution of Irrigation to Precipitation Using MERRA. <i>Journal of Hydrometeorology</i> , 2013, 14, 275-289.	1.9	100
14	Millennium Ecosystem Assessment scenario drivers (1970–2050): Climate and hydrological alterations. <i>Global Biogeochemical Cycles</i> , 2010, 24, .	4.9	98
15	Hydro-climatic changes in the Niger basin and consistency of local perceptions. <i>Regional Environmental Change</i> , 2015, 15, 1627-1637.	2.9	44
16	Quantifying the link between crop production and mined groundwater irrigation in China. <i>Science of the Total Environment</i> , 2015, 511, 161-175.	8.0	42
17	The use and re-use of unsustainable groundwater for irrigation: a global budget. <i>Environmental Research Letters</i> , 2017, 12, 034017.	5.2	35
18	Quantifying Uncertainties in Modeling Climate Change Impacts on Hydropower Production. <i>Climate</i> , 2016, 4, 34.	2.8	32

#	ARTICLE	IF	CITATIONS
19	Crystal balls into the future: are global circulation and water balance models ready?. Proceedings of the International Association of Hydrological Sciences, 0, 374, 41-51.	1.0	1