Dominik Wisser

List of Publications by Year
in descending order

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	PCR-GLOBWBÂ2: a 5â€‰arcmin global hydrological and water resources model. Geoscientific Model Development, 2018, 11, 2429-2453.	3.6	307
2	The use and re-use of unsustainable groundwater for irrigation: a global budget. Environmental Research Letters, 2017, 12, 034017.	5.2	35
3	Quantifying Uncertainties in Modeling Climate Change Impacts on Hydropower Production. Climate, 2016, 4, 34.	2.8	32
4	Quantifying the link between crop production and mined groundwater irrigation in China. Science of the Total Environment, 2015, 511, 161-175.	8.0	42
5	Hydro-climatic changes in the Niger basin and consistency of local perceptions. Regional Environmental Change, 2015, 15, 1627-1637.	2.9	44
6	Constraints and potentials of future irrigation water availability on agricultural production under climate change. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 3239-3244.	7.1	795
7	First look at changes in flood hazard in the Inter-Sectoral Impact Model Intercomparison Project ensemble. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 3257-3261.	7.1	246
8	Hydrological droughts in the 21st century, hotspots and uncertainties from a global multimodel ensemble experiment. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 3262-3267.	7.1	583
9	Multimodel assessment of water scarcity under climate change. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 3245-3250.	7.1	1,282
10	Global water resources affected by human interventions and climate change. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 3251-3256.	7.1	971
11	Multisectoral climate impact hotspots in a warming world. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 3233-3238.	7.1	149
12	Where Does the Irrigation Water Go? An Estimate of the Contribution of Irrigation to Precipitation Using MERRA. Journal of Hydrometeorology, 2013, 14, 275-289.	1.9	100
13	Multimodel projections and uncertainties of irrigation water demand under climate change. Geophysical Research Letters, 2013, 40, 4626-4632.	4.0	302
14	Beyond peak reservoir storage? A global estimate of declining water storage capacity in large reservoirs. Water Resources Research, 2013, 49, 5732-5739.	4.2	130
15	Highâ€resolution mapping of the world's reservoirs and dams for sustainable riverâ€flow management. Frontiers in Ecology and the Environment, 2011, 9, 494-502.	4.0	1,540
16	The significance of local water resources captured in small reservoirs for crop production â€“ A global-scale analysis. Journal of Hydrology, 2010, 384, 264-275.	5.4	182
17	Millennium Ecosystem Assessment scenario drivers (1970â€“2050): Climate and hydrological alterations. Global Biogeochemical Cycles, 2010, 24, .	4.9	98
18	Global irrigation water demand: Variability and uncertainties arising from agricultural and climate data sets. Geophysical Research Letters, 2008, 35, .	4.0	235

#	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