Arthur F Lutz

List of Publications by Year
in descending order

27 papers	3,985 citations	471509 17 h-index	526287 27 g-index
35 all docs	35 docs citations	35 times ranked	3846 citing authors

#	Article	IF	Citations
1	Future upstream water consumption and its impact on downstream water availability in the transboundary Indus Basin. Hydrology and Earth System Sciences, 2022, 26, 861-883.	4.9	16
2	Knowledge Priorities on Climate Change and Water in the Upper Indus Basin: A Horizon Scanning Exercise to Identify the Top 100 Research Questions in Social and Natural Sciences. Earth's Future, 2022, 10, .	6.3	14
3	South Asian agriculture increasingly dependent on meltwater and groundwater. Nature Climate Change, 2022, 12, 566-573.	18.8	38
4	Using large ensemble modelling to derive future changes in mountain specific climate indicators in a 2 and 3Â°C warmer world in High Mountain Asia. International Journal of Climatology, 2021, 41, E964.	3.5	3
5	Variable 21st Century Climate Change Response for Rivers in High Mountain Asia at Seasonal to Decadal Time Scales. Water Resources Research, 2021, 57, e2020WR029266.	4.2	63
6	A systematic framework for the assessment of sustainable hydropower potential in a river basin â€“ The case of the upper Indus. Science of the Total Environment, 2021, 786, 147142.	8.0	18
7	From narratives to numbers: Spatial downscaling and quantification of future water, food & energy security requirements in the Indus basin. Futures, 2021, 133, 102831.	2.5	10
8	Climate projections for glacier change modelling over the Himalayas. International Journal of Climatology, 2020, 40, 1738-1754.	3.5	18
9	Importance and vulnerability of the worldâ€™s water towers. Nature, 2020, 577, 364-369.	27.8	885
10	Cost effective adaptation to flood: sanitation interventions in the Gandak river basin, India. Climate and Development, 2020, 12, 717-729.	3.9	3
11	Importance of snow and glacier meltwater for agriculture on the Indo-Gangetic Plain. Nature Sustainability, 2019, 2, 594-601.	23.7	197
12	The need for bottom-up assessments of climate risks and adaptation in climate-sensitive regions. Nature Climate Change, 2019, 9, 503-511.	18.8	130
13	Water availability on the Third Pole: A review. Water Security, 2019, 7, 100033.	2.5	17
14	Modeling the Response of the Langtang Glacier and the Hintereisferner to a Changing Climate Since the Little Ice Age. Frontiers in Earth Science, 2019, 7, .	1.8	16
15	Twenty-first-century glacio-hydrological changes in the Himalayan headwater Beas River basin. Hydrology and Earth System Sciences, 2019, 23, 1483-1503.	4.9	31
16	The Impact of Meteorological and Hydrological Memory on Compound Peak Flows in the Rhine River Basin. Atmosphere, 2019, 10, 171.	2.3	16
17	South Asian river basins in a 1.5ÂÂ°C warmer world. Regional Environmental Change, 2019, 19, 833-847.	2.9	55
18	Climate change vs. socio-economic development: understanding the future South Asian water gap. Hydrology and Earth System Sciences, 2018, 22, 6297-6321.	4.9	54

#	Article	IF	Citations
19	Impact of a global temperature rise of 1.5 degrees Celsius on Asiaâ€™s glaciers. Nature, 2017, 549, 257-260.	27.8	525
20	Future changes in hydro-climatic extremes in the Upper Indus, Ganges, and Brahmaputra River basins. PLoS ONE, 2017, 12, e0190224.	2.5	107
21	Selecting representative climate models for climate change impact studies: an advanced envelopeâ€based selection approach. International Journal of Climatology, 2016, 36, 3988-4005.	3.5	262
22	Climate Change Impacts on the Upper Indus Hydrology: Sources, Shifts and Extremes. PLoS ONE, 2016, 11, e0165630.	2.5	234
23	SPHY v2.0: Spatial Processes in HYdrology. Geoscientific Model Development, 2015, 8, 2009-2034.	3.6	84
24	Reconciling high-altitude precipitation in the upper Indus basin with glacier mass balances and runoff. Hydrology and Earth System Sciences, 2015, 19, 4673-4687.	4.9	240
25	Consistent increase in High Asia's runoff due to increasing glacier melt and precipitation. Nature Climate Change, 2014, 4, 587-592.	18.8	818
26	Comparison of climate change signals in CMIP3 and CMIP5 multi-model ensembles and implications for Central Asian glaciers. Hydrology and Earth System Sciences, 2013, 17, 3661-3677.	4.9	65
27	Rapid climate change during the Weichselian Lateglacial in Ireland: Chironomid-inferred summer temperatures from Fiddaun, Co. Galway. Palaeogeography, Palaeoclimatology, Palaeoecology, 2012, 315-316, 1-11.	2.3	41