Matthew Ascott

List of Publications by Year
in descending order

21	899	687220 13	713332 21
papers	citations	h-index	g-index

21	21	21	1479
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Global patterns of nitrate storage in the vadose zone. Nature Communications, 2017, 8, 1416.	5.8	233
2	Observed controls on resilience of groundwater to climate variability in sub-Saharan Africa. Nature, 2019, 572, 230-234.	13.7	168
3	The changing trend in nitrate concentrations in major aquifers due to historical nitrate loading from agricultural land across England and Wales from 1925 to 2150. Science of the Total Environment, 2016, 542, 694-705.	3.9	95
4	Online fluorescence spectroscopy for the real-time evaluation of the microbial quality of drinking water. Water Research, 2018, 137, 301-309.	5.3	76
5	Impacts of extreme flooding on riverbank filtration water quality. Science of the Total Environment, 2016, 554-555, 89-101.	3.9	46
6	Quantification of nitrate storage in the vadose (unsaturated) zone: a missing component of terrestrial N budgets. Hydrological Processes, 2016, 30, 1903-1915.	1.1	39
7	Isotopic Fingerprint for Phosphorus in Drinking Water Supplies. Environmental Science & Technology, 2015, 49, 9020-9028.	4.6	35
8	Estimating the leakage contribution of phosphate dosed drinking water to environmental phosphorus pollution at the national-scale. Science of the Total Environment, 2016, 572, 1534-1542.	3.9	34
9	The need to integrate legacy nitrogen storage dynamics and time lags into policy and practice. Science of the Total Environment, 2021, 781, 146698.	3.9	31
10	Improved understanding of spatioâ€temporal controls on regional scale groundwater flooding using hydrograph analysis and impulse response functions. Hydrological Processes, 2017, 31, 4586-4599.	1.1	28
11	Future changes and uncertainty in decision-relevant measures of East African climate. Climatic Change, 2019, 156, 365-384.	1.7	21
12	Mains water leakage: Implications for phosphorus source apportionment and policy responses in catchments. Science of the Total Environment, 2017, 579, 702-708.	3.9	20
13	In Situ Observations and Lumped Parameter Model Reconstructions Reveal Intraâ€Annual to Multidecadal Variability in Groundwater Levels in Subâ€Saharan Africa. Water Resources Research, 2020, 56, e2020WR028056.	1.7	20
14	Phosphorus fluxes to the environment from mains water leakage: Seasonality and future scenarios. Science of the Total Environment, 2018, 636, 1321-1332.	3.9	10
15	The influence of groundwater abstraction on interpreting climate controls and extreme recharge events from well hydrographs in semi-arid South Africa. Hydrogeology Journal, 2021, 29, 2773-2787.	0.9	10
16	Managing groundwater supplies subject to drought: perspectives on current status and future priorities from England (UK). Hydrogeology Journal, 2021, 29, 921-924.	0.9	9
17	Prediction of regionalâ€scale groundwater recharge and nitrate storage in the vadose zone: A comparison between a global model and a regional model. Hydrological Processes, 2020, 34, 3347-3357.	1.1	7
18	Analysis of the impact of hydraulic properties and climate change on estimations of borehole yields. Journal of Hydrology, 2019, 577, 123998.	2.3	5

#	Article	IF	Citations
19	Provenance of drinking water revealed through compliance sampling. Environmental Sciences: Processes and Impacts, 2019, 21, 1052-1064.	1.7	5
20	Time of emergence of impacts of climate change on groundwater levels in sub-Saharan Africa. Journal of Hydrology, 2022, 612, 128107.	2.3	4
21	Public Water Supply Is Responsible for Significant Fluxes of Inorganic Nitrogen in the Environment. Environmental Science & Technology, 2018, 52, 14050-14060.	4.6	3