Martina FlÃ¶rke

List of Publications by Year
in descending order

58	8,736	126858	149623
papers	citations	33 h-index	56 g-index

71	71	71	11275
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Climate change exposure of waterbird species in the African-Eurasian flyways. Bird Conservation International, 2022, 32, 1-26.	0.7	6
2	Setting priorities for climate change adaptation of Critical Sites in the Africaâ€Eurasian waterbird flyways. Global Change Biology, 2022, 28, 739-752.	4.2	7
3	Performance Evaluation and Water Availability of Canal Irrigation Scheme in Punjab Pakistan. Water (Switzerland), 2022, 14, 405.	1.2	5
4	Assessing Barriers in Adaptation of Water Management Innovations Under Rotational Canal Water Distribution System. Agriculture (Switzerland), 2022, 12, 913.	1.4	1
5	Globally widespread and increasing violations of environmental flow envelopes. Hydrology and Earth System Sciences, 2022, 26, 3315-3336.	1.9	11
6	A stage-based approach to allocating water quality monitoring stations based on the WorldQual model: The Jubba River as a case study. Science of the Total Environment, 2021, 762, 144162.	3.9	3
7	Global water scarcity including surface water quality and expansions of clean water technologies. Environmental Research Letters, 2021, 16, 024020.	2.2	192
8	Extended life cycle assessment reveals the spatially-explicit water scarcity footprint of a lithium-ion battery storage. Communications Earth & Environment, 2021, 2, .	2.6	36
9	Uncertainty of simulated groundwater recharge at different global warming levels: a global-scale multi-model ensemble study. Hydrology and Earth System Sciences, 2021, 25, 787-810.	1.9	65
10	The global water resources and use model WaterGAP v2.2d: model description and evaluation. Geoscientific Model Development, 2021, 14, 1037-1079.	1.3	139
11	The number of people exposed to water stress in relation to how much water is reserved for the environment: a global modelling study. Lancet Planetary Health, The, 2021, 5, e766-e774.	5.1	17
12	Illuminating water cycle modifications and Earth system resilience in the Anthropocene. Water Resources Research, 2020, 56, e2019WR024957.	1.7	86
13	Water Demand Scenarios for Electricity Generation at the Global and Regional Levels. Water (Switzerland), 2020, 12, 2482.	1.2	8
14	The Water Planetary Boundary: Interrogation and Revision. One Earth, 2020, 2, 223-234.	3.6	98
15	Integrated Solutions for the Water-Energy-Land Nexus: Are Global Models Rising to the Challenge?. Water (Switzerland), 2019, 11, 2223.	1.2	24
16	Editorial overview: Water quality: A new challenge for global scale model development and application. Current Opinion in Environmental Sustainability, 2019, 36, A1-A5.	3.1	18
17	Multimodel assessments of human and climate impacts on mean annual streamflow in China. Hydrology and Earth System Sciences, 2019, 23, 1245-1261.	1.9	34
18	Priorities for developing a modelling and scenario analysis framework for waterborne pathogen concentrations in rivers worldwide and consequent burden of disease. Current Opinion in Environmental Sustainability, 2019, 36, 28-38.	3.1	16

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19	Model inter-comparison design for large-scale water quality models. Current Opinion in Environmental Sustainability, 2019, 36, 59-67.	3.1	34
20	Global multi-pollutant modelling of water quality: scientific challenges and future directions. Current Opinion in Environmental Sustainability, 2019, 36, 116-125.	3.1	80
21	Water competition between cities and agriculture driven by climate change and urban growth. Nature Sustainability, 2018, 1, 51-58.	11.5	491
22	Phosphorus Loadings to the World's Largest Lakes: Sources and Trends. Global Biogeochemical Cycles, 2018, 32, 617-634.	1.9	91
23	Enhancing the Water Accounting and Vulnerability Evaluation Model: WAVE+. Environmental Science & Technology, 2018, 52, 10757-10766.	4.6	39
24	What drives the water quality changes in the Selenga Basin: climate change or socio-economic development?. Regional Environmental Change, 2017, 17, 1977-1989.	1.4	25
25	A sensitivity and uncertainty analysis of a continental-scale water quality model of pathogen pollution in African rivers. Ecological Modelling, 2017, 351, 129-139.	1.2	9
26	Multiâ€model and multiâ€scenario assessments of Asian water futures: The Water Futures and Solutions (WFaS) initiative. Earth's Future, 2017, 5, 823-852.	2.4	50
27	Assessment of runoff, water and sediment quality in the Selenga River basin aided by a web-based geoservice. Water Resources, 2017, 44, 399-416.	0.3	32
28	Water scarcity assessments in the past, present, and future. Earth's Future, 2017, 5, 545-559.	2.4	545
29	Quality matters for water scarcity. Nature Geoscience, 2017, 10, 800-802.	5.4	181
30	Evaluation of sources of uncertainty in projected hydrological changes under climate change in 12 large-scale river basins. Climatic Change, 2017, 141, 419-433.	1.7	192
31	Hydrological threats to riparian wetlands of international importance â€“ a global quantitative and qualitative analysis. Hydrology and Earth System Sciences, 2017, 21, 2799-2815.	1.9	40
32	Spatial covariance of ecosystem services and poverty in China. International Journal of Biodiversity Science, Ecosystem Services & Management, 2017, 13, 422-433.	2.9	5
33	A global water resources ensemble of hydrological models: the eartH2Observe Tier-1 dataset. Earth System Science Data, 2017, 9, 389-413.	3.7	169
34	Variations of global and continental water balance components as impacted by climate forcing uncertainty and human water use. Hydrology and Earth System Sciences, 2016, 20, 2877-2898.	1.9	151
35	Climate and human development impacts on municipal water demand: A spatially-explicit global modeling framework. Environmental Modelling and Software, 2016, 85, 266-278.	1.9	24
36	Hyper-resolution global hydrological modelling: what is next?. Hydrological Processes, 2015, 29, 310-320.	1.1	280

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37	Global impacts of energy demand on the freshwater resources of nations. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E6707-16.	3.3	98
38	Modeling historical fecal coliform loadings to large European rivers and resulting in-stream concentrations. Environmental Modelling and Software, 2015, 63, 251-263.	1.9	56
39	Evaluation of large-scale precipitation data sets for water resources modelling in Central Asia. Environmental Earth Sciences, 2015, 73, 787-799.	1.3	34
40	European participatory scenario development: strengthening the link between stories and models. Climatic Change, 2015, 128, 187-200.	1.7	68
41	Modelling the effects of cross-sectoral water allocation schemes in Europe. Climatic Change, 2015, 128, 229-244.	1.7	28
42	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.	3.3	795
43	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.	3.3	971
44	Safe and just operating spaces for regional social-ecological systems. Global Environmental Change, 2014, 28, 227-238.	3.6	311
45	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.	3.3	149
46	Water on an urban planet: Urbanization and the reach of urban water infrastructure. Global Environmental Change, 2014, 27, 96-105.	3.6	511
47	Domestic and industrial water uses of the past 60 years as a mirror of socio-economic development: A global simulation study. Global Environmental Change, 2013, 23, 144-156.	3.6	388
48	Impact of climate change on renewable groundwater resources: assessing the benefits of avoided greenhouse gas emissions using selected CMIP5 climate projections. Environmental Research Letters, 2013, 8, 024023.	2.2	81
49	Multimodel projections and uncertainties of irrigation water demand under climate change. Geophysical Research Letters, 2013, 40, 4626-4632.	1.5	302
50	The Role of Virtual Water Flows in Physical Water Scarcity: The Case of Central Asia. International Journal of Water Resources Development, 2012, 28, 453-474.	1.2	33
51	Current and future irrigation water requirements in pan-Europe: An integrated analysis of socio-economic and climate scenarios. Global and Planetary Change, 2012, 94-95, 33-45.	1.6	60
52	Modeling variable river flow velocity on continental scale: Current situation and climate change impacts in Europe. Journal of Hydrology, 2012, 424-425, 238-251.	2.3	40
53	Future changes of freshwater needs in European power plants. Management of Environmental Quality, 2011, 22, 89-104.	2.2	29
54	Large scale modelling of bankfull flow: An example for Europe. Journal of Hydrology, 2011, 408, 235-245.	2.3	26

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55	Climate change and the world's river basins: anticipating management options. Frontiers in Ecology and the Environment, 2008, 6, 81-89.	1.9	711
56	Future long-term changes in global water resources driven by socio-economic and climatic changes. Hydrological Sciences Journal, 2007, 52, 247-275.	1.2	706
57	Water depletion: An improved metric for incorporating seasonal and dry-year water scarcity into water risk assessments. Elementa, 0, 4, 000083.	1.1	107
58	Impact of climate forcing uncertainty and human water use on global and continental water balance components. Proceedings of the International Association of Hydrological Sciences, 0, 374, 53-62.	1.0	11