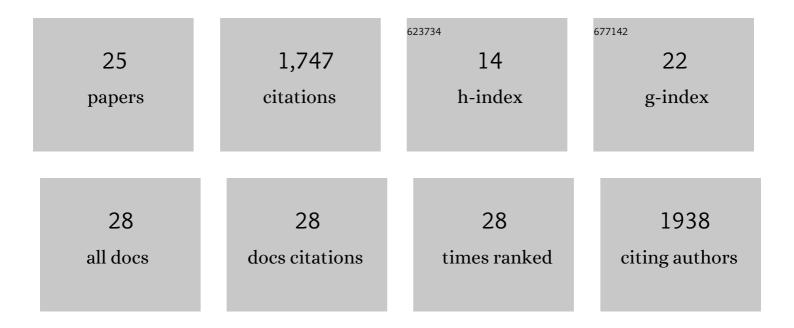
## Matthew D Wilson

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/2135919/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Simple spatially-distributed models for predicting flood inundation: A review. Geomorphology, 2007, 90, 208-225.	2.6	345
2	An adaptive time step solution for raster-based storage cell modelling of floodplain inundation. Advances in Water Resources, 2005, 28, 975-991.	3.8	194
3	Modeling largeâ€scale inundation of Amazonian seasonally flooded wetlands. Geophysical Research Letters, 2007, 34, .	4.0	177
4	Reach scale floodplain inundation dynamics observed using airborne synthetic aperture radar imagery: Data analysis and modelling. Journal of Hydrology, 2006, 328, 306-318.	5.4	168
5	Estimation of bathymetric depth and slope from data assimilation of swath altimetry into a hydrodynamic model. Geophysical Research Letters, 2008, 35, .	4.0	163
6	Distributed whole city water level measurements from the Carlisle 2005 urban flood event and comparison with hydraulic model simulations. Journal of Hydrology, 2009, 368, 42-55.	5.4	152
7	Amazon flood wave hydraulics. Journal of Hydrology, 2009, 374, 92-105.	5.4	147
8	Flood hazard mapping in Jamaica using principal component analysis and logistic regression. Environmental Earth Sciences, 2016, 75, 1.	2.7	112
9	Hydrodynamic versus GIS modelling for coastal flood vulnerability assessment: Which is better for guiding coastal management?. Ocean and Coastal Management, 2016, 120, 99-109.	4.4	99
10	Floodplain channel morphology and networks of the middle Amazon River. Water Resources Research, 2012, 48, .	4.2	76
11	The use of elevation data in flood inundation modelling: A comparison of ERS interferometric SAR and combined contour and differential GPS data. International Journal of River Basin Management, 2005, 3, 3-20.	2.7	18
12	Sustainable management of tropical small island ecosystems for the optimization of soil natural capital and ecosystem services: a case of a Caribbean soil ecosystem—Aripo savannas Trinidad. Journal of Soils and Sediments, 2018, 18, 1654-1667.	3.0	18
13	Uncertainty in predicted runoff due to patterns of spatially variable infiltration. Water Resources Research, 2007, 43, .	4.2	16
14	Sustainable coastal ecosystem management – An evolving paradigm and its application to Caribbean SIDS. Ocean and Coastal Management, 2018, 163, 173-184.	4.4	15
15	A Comparison of Machine Learning Approaches to Improve Free Topography Data for Flood Modelling. Remote Sensing, 2021, 13, 275.	4.0	14
16	Soil slaking sensitivity as influenced by soil properties in alluvial and residual humid tropical soils. Journal of Soils and Sediments, 2019, 19, 1937-1947.	3.0	7
17	Swath-altimetry measurements of the main stem Amazon River: measurement errors and hydraulic implications. Hydrology and Earth System Sciences, 2015, 19, 1943-1959.	4.9	4
18	The influence of fluvial dynamics and North Atlantic swells on the beach habitat of leatherback turtles at Grande Riviere Trinidad. Journal of Environmental Management, 2016, 180, 111-122.	7.8	4

MATTHEW D WILSON

#	Article	IF	CITATIONS
19	Cusp morphodynamics in a micro-tidal exposed beach. Journal of Coastal Conservation, 2017, 21, 777-788.	1.6	4
20	From spatial data to spatial knowledge infrastructure: A proposed architecture. Transactions in GIS, 2020, 24, 1526-1558.	2.3	4
21	A standardised inventory for New Zealand's stopbank (levee) network and its application for natural hazard exposure assessments. Journal of Flood Risk Management, 0, , .	3.3	3
22	Prediction Uncertainty in Floodplain Elevation and its Effect on Flood Inundation Modelling. , 2004, , 185-202.		2
23	An assessment of the impact of 1.5 versus 2 and 2.5°C global temperature increase on flooding in Jamaica: a case study from the Hope watershed. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2022, 380, 20210141.	3.4	2
24	The influence of coastal geomorphology and human activity on plastic debris distribution on a micro-tidal recreational beach on the north coast of Trinidad. Journal of Coastal Conservation, 2022, 26, 1.	1.6	1
25	Contextualizing the relative importance of habitat connectivity for metapopulation persistence: A case study of a critically endangered fish. Aquatic Conservation: Marine and Freshwater Ecosystems, 2021, 31, 1956-1969.	2.0	0