Stephen J Birkinshaw

List of Publications by Year
in descending order

21 papers	545 citations	686830 13 h-index	713013 21 g-index
21 all docs	21 docs citations	21 times ranked	759 citing authors

#	Article	IF	Citations
1	Multiple Benefits of Blue-Green Infrastructure and the Reduction of Environmental Risks: Case Study of Ecosystem Services Provided by a SUDS Pond. Springer Tracts in Civil Engineering, 2022, , 247-262.	0.3	2
2	Ecosystem services provided by urban ponds and green spaces: a detailed study of a semi-natural site with global importance for research. Blue-Green Systems, 2022, 4, 1-23.	0.6	14
3	Improved hydrological modelling of urban catchments using runoff coefficients. Journal of Hydrology, 2021, 594, 125884.	2.3	20
4	A method to include reservoir operations in catchment hydrological models using SHETRAN. Environmental Modelling and Software, 2021, 138, 104980.	1.9	4
5	Stormwater Detention Ponds in Urban Catchmentsâ€"Analysis and Validation of Performance of Ponds in the Ouseburn Catchment, Newcastle upon Tyne, UK. Water (Switzerland), 2021, 13, 2521.	1.2	6
6	Flood resilience, amenity and biodiversity benefits of an historic urban pond. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2020, 378, 20190389.	1.6	19
7	The blue-green path to urban flood resilience. Blue-Green Systems, 2020, 2, 28-45.	0.6	70
8	Downscaling climate change of mean climatology and extremes of precipitation and temperature: Application to a Mediterranean climate basin. International Journal of Climatology, 2019, 39, 4985-5005.	1.5	4
9	Downscaling climate change of water availability, sediment yield and extreme events: Application to a Mediterranean climate basin. International Journal of Climatology, 2019, 39, 2947-2963.	1.5	14
10	Improving bank erosion modelling at catchment scale by incorporating temporal and spatial variability. Earth Surface Processes and Landforms, 2018, 43, 124-133.	1.2	20
11	Seasonâ€based rainfallâ€"runoff modelling using the probabilityâ€distributed model (PDM) for large basins in southeastern Brazil. Hydrological Processes, 2018, 32, 2217-2230.	1.1	13
12	Development of a system for automated setup of a physically-based, spatially-distributed hydrological model for catchments in Great Britain. Environmental Modelling and Software, 2018, 108, 102-110.	1.9	24
13	Runoff, flood peaks and proportional response in a combined nested and paired forest plantation/peat grassland catchment. Journal of Hydrology, 2018, 564, 916-927.	2.3	22
14	Demonstrating the value of community-based (â€˜citizen scienceâ€™) observations for catchment modelling and characterisation. Journal of Hydrology, 2017, 548, 801-817.	2.3	86
15	Model-based estimation of land subsidence in Kathmandu Valley, Nepal. Geomatics, Natural Hazards and Risk, 2017, 8, 974-996.	2.0	23
16	Dry getting drier â€" The future of transnational river basins in Iberia. Journal of Hydrology: Regional Studies, 2017, 12, 238-252.	1.0	25
17	Comment on â€œA paradigm shift in understanding and quantifying the effects of forest harvesting on floods in snow environmentsâ€•by Kim C. Green and Younes Alila. Water Resources Research, 2014, 50, 2765-2768.	1.7	9
18	45 years of non-stationary hydrology over a forest plantation growth cycle, Coalburn catchment, Northern England. Journal of Hydrology, 2014, 519, 559-573.	2.3	47

#	Article	IF	Citations
19	The effect of forest cover on peak flow and sediment dischargeâ€"an integrated field and modelling study in centralâ€"southern Chile. Hydrological Processes, 2011, 25, 1284-1297.	1.1	67
20	Flow pathways in the Slapton Wood catchment using temperature as a tracer. Journal of Hydrology, 2010, 383, 269-279.	2.3	17
21	Graphical user interface for rapid set-up of SHETRAN physically-based river catchment model. Environmental Modelling and Software, 2010, 25, 609-610.	1.9	39