

# Peter Salamon

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

57  
papers

2,954  
citations

30  
h-index

54  
g-index

71  
ext. papers

3,565  
ext. citations

5.5  
avg, IF

5.26  
L-index

#	Paper	IF	Citations
57	Global projections of river flood risk in a warmer world. <i>Earth's Future</i> , <b>2017</b> , 5, 171-182	7.9	288
56	A review and numerical assessment of the random walk particle tracking method. <i>Journal of Contaminant Hydrology</i> , <b>2006</b> , 87, 277-305	3.9	220
55	Development and evaluation of a framework for global flood hazard mapping. <i>Advances in Water Resources</i> , <b>2016</b> , 94, 87-102	4.7	170
54	Operational early warning systems for water-related hazards in Europe. <i>Environmental Science and Policy</i> , <b>2012</b> , 21, 35-49	6.2	167
53	Fluvial flood risk in Europe in present and future climates. <i>Climatic Change</i> , <b>2012</b> , 112, 47-62	4.5	145
52	Advances in pan-European flood hazard mapping. <i>Hydrological Processes</i> , <b>2014</b> , 28, 4067-4077	3.3	144
51	Assessing parameter, precipitation, and predictive uncertainty in a distributed hydrological model using sequential data assimilation with the particle filter. <i>Journal of Hydrology</i> , <b>2009</b> , 376, 428-442	6	141
50	Continental and global scale flood forecasting systems. <i>Wiley Interdisciplinary Reviews: Water</i> , <b>2016</b> , 3, 391-418	5.7	121
49	A software framework for construction of process-based stochastic spatio-temporal models and data assimilation. <i>Environmental Modelling and Software</i> , <b>2010</b> , 25, 489-502	5.2	118
48	Evaluation of ensemble streamflow predictions in Europe. <i>Journal of Hydrology</i> , <b>2014</b> , 517, 913-922	6	100
47	Developments in large-scale coastal flood hazard mapping. <i>Natural Hazards and Earth System Sciences</i> , <b>2016</b> , 16, 1841-1853	3.9	93
46	Visualizing probabilistic flood forecast information: expert preferences and perceptions of best practice in uncertainty communication. <i>Hydrological Processes</i> , <b>2013</b> , 27, 132-146	3.3	85
45	Assimilation of MODIS Snow Cover Area Data in a Distributed Hydrological Model Using the Particle Filter. <i>Remote Sensing</i> , <b>2013</b> , 5, 5825-5850	5	74
44	Multi-Model Projections of River Flood Risk in Europe under Global Warming. <i>Climate</i> , <b>2018</b> , 6, 6	3.1	64
43	A global network for operational flood risk reduction. <i>Environmental Science and Policy</i> , <b>2018</b> , 84, 149-158.2		59
42	On the Use of Global Flood Forecasts and Satellite-Derived Inundation Maps for Flood Monitoring in Data-Sparse Regions. <i>Remote Sensing</i> , <b>2015</b> , 7, 15702-15728	5	59
41	Disentangling uncertainties in distributed hydrological modeling using multiplicative error models and sequential data assimilation. <i>Water Resources Research</i> , <b>2010</b> , 46,	5.4	56

40	The impact of lake and reservoir parameterization on global streamflow simulation. <i>Journal of Hydrology</i> , <b>2017</b> , 548, 552-568	6	54
39	Developing a global operational seasonal hydro-meteorological forecasting system: GloFAS-Seasonal v1.0. <i>Geoscientific Model Development</i> , <b>2018</b> , 11, 3327-3346	6.3	52
38	Calibration of the Global Flood Awareness System (GloFAS) using daily streamflow data. <i>Journal of Hydrology</i> , <b>2018</b> , 566, 595-606	6	51
37	HESS Opinions &quot;Forecaster priorities for improving probabilistic flood forecasts&quot;. <i>Hydrology and Earth System Sciences</i> , <b>2013</b> , 17, 4389-4399	5.5	47
36	Modelling the socio-economic impact of river floods in Europe. <i>Natural Hazards and Earth System Sciences</i> , <b>2016</b> , 16, 1401-1411	3.9	46
35	GloFAS-ERA5 operational global river discharge reanalysis 1979&dashrightarrow;present. <i>Earth System Science Data</i> , <b>2020</b> , 12, 2043-2060	10.5	44
34	Filling the gaps: Calibrating a rainfall-runoff model using satellite-derived surface water extent. <i>Remote Sensing of Environment</i> , <b>2015</b> , 171, 118-131	13.2	42
33	Integrating remotely sensed surface water extent into continental scale hydrology. <i>Journal of Hydrology</i> , <b>2016</b> , 543, 659-670	6	41
32	An operational procedure for rapid flood risk assessment in Europe. <i>Natural Hazards and Earth System Sciences</i> , <b>2017</b> , 17, 1111-1126	3.9	41
31	Evaluation of the satellite-based Global Flood Detection System for measuring river discharge: influence of local factors. <i>Hydrology and Earth System Sciences</i> , <b>2014</b> , 18, 4467-4484	5.5	38
30	A global streamflow reanalysis for 1980-2018. <i>Journal of Hydrology X</i> , <b>2020</b> , 6, 100049	4.6	36
29	A first collective validation of global fluvial flood models for major floods in Nigeria and Mozambique. <i>Environmental Research Letters</i> , <b>2018</b> , 13, 104007	6.2	36
28	The Effect of Reference Climatology on Global Flood Forecasting. <i>Journal of Hydrometeorology</i> , <b>2016</b> , 17, 1131-1145	3.7	28
27	Surface Freshwater Limitation Explains Worst Rice Production Anomaly in India in 2002. <i>Remote Sensing</i> , <b>2018</b> , 10, 244	5	24
26	Quality control, validation and user feedback of the European Flood Alert System (EFAS). <i>International Journal of Digital Earth</i> , <b>2011</b> , 4, 77-90	3.9	20
25	Predictability of the European heat and cold waves. <i>Climate Dynamics</i> , <b>2019</b> , 52, 2481-2495	4.2	13
24	GloFAS-ERA5 operational global river discharge reanalysis 1979&dashrightarrow;present		13
23	Development of an operational low-flow index for hydrological drought monitoring over Europe. <i>Hydrological Sciences Journal</i> , <b>2016</b> , 1-13	3.5	11

22	Forecasters priorities for improving probabilistic flood forecasts		9
21	Range-dependent thresholds for global flood early warning. <i>Journal of Hydrology X</i> , <b>2019</b> , 4, 100034	4.6	6
20	A new dataset of river flood hazard maps for Europe and the Mediterranean Basin region		6
19	DATA PROCESSING ARCHITECTURES FOR MONITORING FLOODS USING SENTINEL-1. <i>ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences</i> , V-3-2020, 641-648		5
18	Regionalization of post-processed ensemble runoff forecasts. <i>Proceedings of the International Association of Hydrological Sciences</i> , 373, 109-114		5
17	Global Flood Forecasting for Averting Disasters Worldwide. <i>Geophysical Monograph Series</i> , <b>2018</b> , 205-228.	1	4
16	Daily ensemble river discharge reforecasts and real-time forecasts from the operational Global Flood Awareness System		4
15	Global Modeling of Seasonal Mortality Rates From River Floods. <i>Earth's Future</i> , <b>2020</b> , 8, e2020EF001541	7.9	4
14	Developments in large-scale coastal flood hazard mapping <b>2016</b> ,		3
13	Hydrological Ensemble Prediction Systems Around the Globe <b>2019</b> , 1187-1221		2
12	European Copernicus Services to Inform on Sea-Level Rise Adaptation: Current Status and Perspectives. <i>Frontiers in Marine Science</i> , 8,	4.5	2
11	Saving Lives: Ensemble-Based Early Warnings in Developing Nations <b>2019</b> , 1109-1130		1
10	Increasing Timeliness of Satellite-Based Flood Mapping Using Early Warning Systems in the Copernicus Emergency Management Service. <i>Remote Sensing</i> , <b>2021</b> , 13, 2114	5	1
9	Modelling the socio-economic impact of river floods in Europe <b>2016</b> ,		1
8	Developing a global operational seasonal hydro-meteorological forecasting system: GloFAS v2.2 Seasonal v1.0 <b>2018</b> ,		1
7	Calibration of Global Flood Models. <i>Geophysical Monograph Series</i> , <b>2021</b> , 201-211	1.1	0
6	Global Flood Partnership. <i>Geophysical Monograph Series</i> , <b>2021</b> , 307-322	1.1	0
5	A new dataset of river flood hazard maps for Europe and the Mediterranean Basin. <i>Earth System Science Data</i> , <b>2022</b> , 14, 1549-1569	10.5	0

4 Medium Range Flood Forecasting Example EFAS **2019**, 1261-1277

3 Saving Lives: Ensemble-Based Early Warnings in Developing Nations **2015**, 1-22

2 Medium Range Flood Forecasting Example EFAS **2015**, 1-17

1 State of the Art of Flood Forecasting **2011**, 9-24