

Peter Salamon

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

4,150
citations

147801

31
h-index

233421

45
g-index

71
all docs

71
docs citations

71
times ranked

4614
citing authors

#	ARTICLE	IF	CITATIONS
1	Global projections of river flood risk in a warmer world. <i>Earth's Future</i> , 2017, 5, 171-182.	6.3	470
2	A review and numerical assessment of the random walk particle tracking method. <i>Journal of Contaminant Hydrology</i> , 2006, 87, 277-305.	3.3	261
3	Development and evaluation of a framework for global flood hazard mapping. <i>Advances in Water Resources</i> , 2016, 94, 87-102.	3.8	242
4	Usefulness and limitations of global flood risk models. <i>Nature Climate Change</i> , 2015, 5, 712-715.	18.8	210
5	Operational early warning systems for water-related hazards in Europe. <i>Environmental Science and Policy</i> , 2012, 21, 35-49.	4.9	206
6	Advances in pan-European flood hazard mapping. <i>Hydrological Processes</i> , 2014, 28, 4067-4077.	2.6	187
7	Continental and global scale flood forecasting systems. <i>Wiley Interdisciplinary Reviews: Water</i> , 2016, 3, 391-418.	6.5	185
8	Assessing parameter, precipitation, and predictive uncertainty in a distributed hydrological model using sequential data assimilation with the particle filter. <i>Journal of Hydrology</i> , 2009, 376, 428-442.	5.4	184
9	Fluvial flood risk in Europe in present and future climates. <i>Climatic Change</i> , 2012, 112, 47-62.	3.6	181
10	A software framework for construction of process-based stochastic spatio-temporal models and data assimilation. <i>Environmental Modelling and Software</i> , 2010, 25, 489-502.	4.5	146
11	Developments in large-scale coastal flood hazard mapping. <i>Natural Hazards and Earth System Sciences</i> , 2016, 16, 1841-1853.	3.6	144
12	Evaluation of ensemble streamflow predictions in Europe. <i>Journal of Hydrology</i> , 2014, 517, 913-922.	5.4	124
13	GloFAS-ERA5 operational global river discharge reanalysis 1979–present. <i>Earth System Science Data</i> , 2020, 12, 2043-2060.	9.9	124
14	Visualizing probabilistic flood forecast information: expert preferences and perceptions of best practice in uncertainty communication. <i>Hydrological Processes</i> , 2013, 27, 132-146.	2.6	100
15	Multi-Model Projections of River Flood Risk in Europe under Global Warming. <i>Climate</i> , 2018, 6, 6.	2.8	94
16	Calibration of the Global Flood Awareness System (GloFAS) using daily streamflow data. <i>Journal of Hydrology</i> , 2018, 566, 595-606.	5.4	90
17	A global network for operational flood risk reduction. <i>Environmental Science and Policy</i> , 2018, 84, 149-158.	4.9	89
18	Assimilation of MODIS Snow Cover Area Data in a Distributed Hydrological Model Using the Particle Filter. <i>Remote Sensing</i> , 2013, 5, 5825-5850.	4.0	85

#	ARTICLE	IF	CITATIONS
19	The impact of lake and reservoir parameterization on global streamflow simulation. <i>Journal of Hydrology</i> , 2017, 548, 552-568.	5.4	82
20	On the Use of Global Flood Forecasts and Satellite-Derived Inundation Maps for Flood Monitoring in Data-Sparse Regions. <i>Remote Sensing</i> , 2015, 7, 15702-15728.	4.0	77
21	Developing a global operational seasonal hydro-meteorological forecasting system: GloFAS-Seasonal v1.0. <i>Geoscientific Model Development</i> , 2018, 11, 3327-3346.	3.6	69
22	A first collective validation of global fluvial flood models for major floods in Nigeria and Mozambique. <i>Environmental Research Letters</i> , 2018, 13, 104007.	5.2	66
23	Modelling the socio-economic impact of river floods in Europe. <i>Natural Hazards and Earth System Sciences</i> , 2016, 16, 1401-1411.	3.6	64
24	A global streamflow reanalysis for 1980–2018. <i>Journal of Hydrology X</i> , 2020, 6, 100049.	1.6	61
25	Disentangling uncertainties in distributed hydrological modeling using multiplicative error models and sequential data assimilation. <i>Water Resources Research</i> , 2010, 46, .	4.2	59
26	An operational procedure for rapid flood risk assessment in Europe. <i>Natural Hazards and Earth System Sciences</i> , 2017, 17, 1111-1126.	3.6	57
27	HESS Opinions "Forecaster priorities for improving probabilistic flood forecasts". <i>Hydrology and Earth System Sciences</i> , 2013, 17, 4389-4399.	4.9	53
28	Integrating remotely sensed surface water extent into continental scale hydrology. <i>Journal of Hydrology</i> , 2016, 543, 659-670.	5.4	53
29	Filling the gaps: Calibrating a rainfall-runoff model using satellite-derived surface water extent. <i>Remote Sensing of Environment</i> , 2015, 171, 118-131.	11.0	51
30	Evaluation of the satellite-based Global Flood Detection System for measuring river discharge: influence of local factors. <i>Hydrology and Earth System Sciences</i> , 2014, 18, 4467-4484.	4.9	50
31	The Effect of Reference Climatology on Global Flood Forecasting. <i>Journal of Hydrometeorology</i> , 2016, 17, 1131-1145.	1.9	36
32	Surface Freshwater Limitation Explains Worst Rice Production Anomaly in India in 2002. <i>Remote Sensing</i> , 2018, 10, 244.	4.0	26
33	Predictability of the European heat and cold waves. <i>Climate Dynamics</i> , 2019, 52, 2481-2495.	3.8	25
34	Quality control, validation and user feedback of the European Flood Alert System (EFAS). <i>International Journal of Digital Earth</i> , 2011, 4, 77-90.	3.9	23
35	A new dataset of river flood hazard maps for Europe and the Mediterranean Basin. <i>Earth System Science Data</i> , 2022, 14, 1549-1569.	9.9	21
36	Development of an operational low-flow index for hydrological drought monitoring over Europe. <i>Hydrological Sciences Journal</i> , 0, , 1-13.	2.6	16

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37	Range-dependent thresholds for global flood early warning. <i>Journal of Hydrology X</i> , 2019, 4, 100034.	1.6	14
38	Global Modeling of Seasonal Mortality Rates From River Floods. <i>Earth's Future</i> , 2020, 8, e2020EF001541.	6.3	14
39	Hydrological performance of the ERA5 reanalysis for flood modeling in Tunisia with the LISFLOOD and GR4J models. <i>Journal of Hydrology: Regional Studies</i> , 2022, 42, 101169.	2.4	12
40	European Copernicus Services to Inform on Sea-Level Rise Adaptation: Current Status and Perspectives. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	11
41	DATA PROCESSING ARCHITECTURES FOR MONITORING FLOODS USING SENTINEL-1. <i>ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences</i> , 0, V-3-2020, 641-648.	0.0	11
42	Increasing Timeliness of Satellite-Based Flood Mapping Using Early Warning Systems in the Copernicus Emergency Management Service. <i>Remote Sensing</i> , 2021, 13, 2114.	4.0	8
43	Regionalization of post-processed ensemble runoff forecasts. <i>Proceedings of the International Association of Hydrological Sciences</i> , 0, 373, 109-114.	1.0	5
44	EMO-5: a high-resolution multi-variable gridded meteorological dataset for Europe. <i>Earth System Science Data</i> , 2022, 14, 3249-3272.	9.9	3
45	Hydrological Ensemble Prediction Systems Around the Globe. , 2019, , 1187-1221.		2
46	On the implementation of post-processing of runoff forecast ensembles. <i>Journal of Hydrometeorology</i> , 2021, , .	1.9	1
47	Saving Lives: Ensemble-Based Early Warnings in Developing Nations. , 2019, , 1109-1130.		1
48	State of the Art of Flood Forecasting. , 2011, , 9-24.		0
49	Saving Lives: Ensemble-Based Early Warnings in Developing Nations. , 2015, , 1-22.		0
50	Medium Range Flood Forecasting Example EFAS. , 2015, , 1-17.		0
51	Medium Range Flood Forecasting Example EFAS. , 2019, , 1261-1277.		0