

Heiko Apel

List of Publications by Citations

Source: <https://exaly.com/author-pdf/6631685/heiko-apel-publications-by-citations.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

62

papers

3,156

citations

28

h-index

56

g-index

82

ext. papers

3,631

ext. citations

4.2

avg. IF

5.26

L-index

#	Paper	IF	Citations
62	Flood risk analyses how detailed do we need to be?. <i>Natural Hazards</i> , 2009 , 49, 79-98	3	362
61	Flood risk assessment and associated uncertainty. <i>Natural Hazards and Earth System Sciences</i> , 2004 , 4, 295-308	3.9	323
60	Comparative flood damage model assessment: towards a European approach. <i>Natural Hazards and Earth System Sciences</i> , 2012 , 12, 3733-3752	3.9	264
59	A Probabilistic Modelling System for Assessing Flood Risks. <i>Natural Hazards</i> , 2006 , 38, 79-100	3	180
58	Flood trends and variability in the Mekong river. <i>Hydrology and Earth System Sciences</i> , 2010 , 14, 407-418	5.5	147
57	Quantification of uncertainties in flood risk assessments. <i>International Journal of River Basin Management</i> , 2008 , 6, 149-162	1.7	113
56	Adaptation to flood risk: Results of international paired flood event studies. <i>Earth's Future</i> , 2017 , 5, 953-965	7.65	111
55	Future sediment dynamics in the Mekong Delta floodplains: Impacts of hydropower development, climate change and sea level rise. <i>Global and Planetary Change</i> , 2015 , 127, 22-33	4.2	109
54	A new methodology for flood hazard assessment considering dike breaches. <i>Water Resources Research</i> , 2010 , 46,	5.4	97
53	Spatially coherent flood risk assessment based on long-term continuous simulation with a coupled model chain. <i>Journal of Hydrology</i> , 2015 , 524, 182-193	6	95
52	A climate-flood link for the lower Mekong River. <i>Hydrology and Earth System Sciences</i> , 2012 , 16, 1533-1541	5.15	81
51	Analysis of a detention basin impact on dike failure probabilities and flood risk for a channel-dike-floodplain system along the river Elbe, Germany. <i>Journal of Hydrology</i> , 2012 , 436-437, 120-131	6.31	72
50	Multi-objective automatic calibration of hydrodynamic models utilizing inundation maps and gauge data. <i>Hydrology and Earth System Sciences</i> , 2011 , 15, 1339-1354	5.5	71
49	Development of dike fragility curves for piping and micro-instability breach mechanisms. <i>Natural Hazards and Earth System Sciences</i> , 2009 , 9, 1383-1401	3.9	69
48	Large-scale suspended sediment transport and sediment deposition in the Mekong Delta. <i>Hydrology and Earth System Sciences</i> , 2014 , 18, 3033-3053	5.5	65
47	Continuous, large-scale simulation model for flood risk assessments: proof-of-concept. <i>Journal of Flood Risk Management</i> , 2016 , 9, 3-21	3.1	62
46	Floodplain hydrology of the Mekong Delta, Vietnam. <i>Hydrological Processes</i> , 2012 , 26, 674-686	3.3	61

45	Influence of dike breaches on flood frequency estimation. <i>Computers and Geosciences</i> , 2009 , 35, 907-923	4.5	53
44	Handling uncertainty in bivariate quantile estimation – An application to flood hazard analysis in the Mekong Delta. <i>Journal of Hydrology</i> , 2015 , 527, 704-717	6	52
43	Combined fluvial and pluvial urban flood hazard analysis: concept development and application to Can Tho city, Mekong Delta, Vietnam. <i>Natural Hazards and Earth System Sciences</i> , 2016 , 16, 941-961	3.9	49
42	Has dyke development in the Vietnamese Mekong Delta shifted flood hazard downstream?. <i>Hydrology and Earth System Sciences</i> , 2017 , 21, 3991-4010	5.5	48
41	Hydraulic model evaluation for large-scale flood risk assessments. <i>Hydrological Processes</i> , 2013 , 27, 1331-1340	3.5	47
40	Links between large-scale circulation patterns and streamflow in Central Europe: A review. <i>Journal of Hydrology</i> , 2017 , 549, 484-500	6	44
39	Sand mining in the Mekong Delta revisited - current scales of local sediment deficits. <i>Scientific Reports</i> , 2019 , 9, 17823	4.9	43
38	Thresholds of hydrologic flow regime of a river and investigation of climate change impact – the case of the Lower Brahmaputra river Basin. <i>Climatic Change</i> , 2013 , 120, 463-475	4.5	42
37	Sedimentation in the floodplains of the Mekong Delta, Vietnam Part II: deposition and erosion. <i>Hydrological Processes</i> , 2014 , 28, 3145-3160	3.3	37
36	Seasonal forecasting of hydrological drought in the Limpopo Basin: a comparison of statistical methods. <i>Hydrology and Earth System Sciences</i> , 2017 , 21, 1611-1629	5.5	30
35	What controls the stable isotope composition of precipitation in the Mekong Delta? A model-based statistical approach. <i>Hydrology and Earth System Sciences</i> , 2018 , 22, 1239-1262	5.5	30
34	Assessing the probability of large-scale flood loss events: a case study for the river Rhine, Germany. <i>Journal of Flood Risk Management</i> , 2015 , 8, 247-262	3.1	28
33	Projecting flood hazard under climate change: an alternative approach to model chains. <i>Natural Hazards and Earth System Sciences</i> , 2014 , 14, 1579-1589	3.9	26
32	Towards automatic calibration of 2-D flood propagation models. <i>Hydrology and Earth System Sciences</i> , 2010 , 14, 911-924	5.5	26
31	Flood risk analysis: uncertainties and validation. <i>Osterreichische Wasser- Und Abfallwirtschaft</i> , 2008 , 60, 89-94	0.4	25
30	Climate influences on flood probabilities across Europe. <i>Hydrology and Earth System Sciences</i> , 2019 , 23, 1305-1322	5.5	24
29	Sedimentation in the floodplains of the Mekong Delta, Vietnam. Part I: suspended sediment dynamics. <i>Hydrological Processes</i> , 2014 , 28, 3132-3144	3.3	23
28	Spatial coherence of flood-rich and flood-poor periods across Germany. <i>Journal of Hydrology</i> , 2018 , 559, 813-826	6	22

27	Statistical forecast of seasonal discharge in Central Asia using observational records: development of a generic linear modelling tool for operational water resource management. <i>Hydrology and Earth System Sciences</i> , 2018 , 22, 2225-2254	5.5	21
26	Future projections of flood dynamics in the Vietnamese Mekong Delta. <i>Science of the Total Environment</i> , 2020 , 742, 140596	10.2	20
25	A statistically based seasonal precipitation forecast model with automatic predictor selection and its application to central and south Asia. <i>Hydrology and Earth System Sciences</i> , 2016 , 20, 4605-4623	5.5	20
24	How do changes along the risk chain affect flood risk?. <i>Natural Hazards and Earth System Sciences</i> , 2018 , 18, 3089-3108	3.9	19
23	Evaluation of Soil Moisture Retrieval from the ERS and Metop Scatterometers in the Lower Mekong Basin. <i>Remote Sensing</i> , 2013 , 5, 1603-1623	5	17
22	GPS buoys for stage monitoring of large rivers. <i>Journal of Hydrology</i> , 2012 , 412-413, 182-192	6	16
21	The impact of the uncertainty of dike breach development time on flood hazard. <i>Physics and Chemistry of the Earth</i> , 2011 , 36, 319-323	3	16
20	Sedimentation monitoring including uncertainty analysis in complex floodplains: a case study in the Mekong Delta. <i>Hydrology and Earth System Sciences</i> , 2013 , 17, 3039-3057	5.5	15
19	Sediment flocculation in the Mekong River estuary, Vietnam, an important driver of geomorphological changes. <i>Comptes Rendus - Geoscience</i> , 2017 , 349, 260-268	1.4	13
18	Towards risk-based flood management in highly productive paddy rice cultivation [Concept development and application to the Mekong Delta. <i>Natural Hazards and Earth System Sciences</i> , 2018 , 18, 2859-2876	3.9	12
17	Monsoon Variability and the Mekong Flood Regime. <i>Springer Environmental Science and Engineering</i> , 2012 , 233-244		9
16	WISDOM: GNSS-R based flood monitoring 2012 ,		6
15	Brief communication: Seasonal prediction of salinity intrusion in the Mekong Delta. <i>Natural Hazards and Earth System Sciences</i> , 2020 , 20, 1609-1616	3.9	5
14	Projecting flood hazard under climate change: an alternative approach to model chains		5
13	Evaluation of treatment strategies of the late blight <i>Phytophthora infestans</i> in Nepal by population dynamics modelling. <i>Environmental Modelling and Software</i> , 2003 , 18, 355-364	5.2	4
12	Impacts of Human Activity and Global Changes on Future Morphodynamics within the Tien River, Vietnamese Mekong Delta. <i>Water (Switzerland)</i> , 2020 , 12, 2204	3	4
11	Forecast of seasonal water availability in Central Asia with near-real time GRACE water storage anomalies. <i>Environmental Research Communications</i> , 2019 , 1, 031006	3.1	3
10	HP [Special Issue on Flood Risk and Uncertainty. <i>Hydrological Processes</i> , 2013 , 27, 1291-1291	3.3	3

9	Large-scale quantification of suspended sediment transport and deposition in the Mekong Delta		3
8	Flood hazard in the Mekong Delta – a probabilistic, bivariate, and non-stationary analysis with a short-termed future perspective		3
7	Seasonal forecasting of hydrological drought in the Limpopo basin: A comparison of statistical methods.		2
6	Large-scale flood risk assessment using a coupled model chain. <i>E3S Web of Conferences</i> , 2016 , 7, 11005	0.5	2
5	Groundwater dynamics in the Vietnamese Mekong Delta: Trends, memory effects, and response times. <i>Journal of Hydrology: Regional Studies</i> , 2021 , 33, 100746	3.6	2
4	Identification of groundwater mean transit times of precipitation and riverbank infiltration by two-component lumped parameter models. <i>Hydrological Processes</i> , 2019 , 33, 3098-3118	3.3	1
3	Sedimentation monitoring including uncertainty analysis in complex floodplains: a case study in the Mekong Delta		1
2	From Precipitation to Damage. <i>Geophysical Monograph Series</i> , 2018 , 169-183	1.1	0
1	Flood Hydraulics and Suspended Sediment Transport in the Plain of Reeds, Mekong Delta. <i>Springer Environmental Science and Engineering</i> , 2012 , 221-232		