Sebastiaan Jonkman

List of Publications by Citations

36 papers	1,397 citations	14 h-index	37 g-index
41 ext. papers	1,690 ext. citations	4.5 avg, IF	5.16 L-index

#	Paper	IF	Citations
36	Global Perspectives on Loss of Human Life Caused by Floods. *Natural Hazards*, **2005**, 34, 151-175	3	484
35	Loss of life caused by the flooding of New Orleans after Hurricane Katrina: analysis of the relationship between flood characteristics and mortality. *Risk Analysis*, **2009**, 29, 676-98	3.9	240
34	Methods for the estimation of loss of life due to floods: a literature review and a proposal for a new method. *Natural Hazards*, **2008**, 46, 353-389	3	174
33	Trends in flood losses in Europe over the past 150 years. *Nature Communications*, **2018**, 9, 1985	17.4	126
32	Flood risk assessment in The Netherlands: a case study for dike ring South Holland. *Risk Analysis*, **2008**, 28, 1357-74	3.9	67
31	The use of individual and societal risk criteria within the Dutch flood safety policy--nationwide estimates of societal risk and policy applications. *Risk Analysis*, **2011**, 31, 282-300	3.9	42
30	Historic storms and the hidden value of coastal wetlands for nature-based flood defence. *Nature Sustainability*, **2020**, 3, 853-862	22.1	28
29	A method for tsunami risk assessment: a case study for Kamakura, Japan. *Natural Hazards*, **2017**, 88, 1451-1472	3	22
28	Pan-European hydrodynamic models and their ability to identify compound floods. *Natural Hazards*, **2020**, 101, 933-957	3	17
27	Overview and Design Considerations of Storm Surge Barriers. *Journal of Waterway, Port, Coastal and Ocean Engineering*, **2017**, 143, 06017001	1.7	15
26	Exploring Logistics Aspects of Flood Emergency Measures. *Journal of Contingencies and Crisis Management*, **2012**, 20, 166-179	3.5	15
25	Advanced flood risk analysis required. *Nature Climate Change*, **2013**, 3, 1004-1004	21.4	14
24	Flood Risks in Sinking Delta Cities: Time for a Reevaluation?. *Earth's Future*, **2020**, 8, e2020EF001614	7.9	14
23	Accuracy of pan-European coastal flood mapping. *Journal of Flood Risk Management*, **2019**, 12, e12459	3.1	11
22	Evaluation of flood risk reduction strategies through combinations of interventions. *Journal of Flood Risk Management*, **2019**, 12, e12506	3.1	10
21	Applicability of satellite radar imaging to monitor the conditions of levees. *Journal of Flood Risk Management*, **2019**, 12, e12509	3.1	10
20	Frequency Analysis of Storm-Surge-Induced Flooding for the Huangpu River in Shanghai, China. *Journal of Marine Science and Engineering*, **2018**, 6, 70	2.4	9

19	Sub-seasonal Levee Deformation Observed Using Satellite Radar Interferometry to Enhance Flood Protection. *Scientific Reports*, **2019**, 9, 2646	4.9	8
18	Developments in the management of flood defences and hydraulic infrastructure in the Netherlands. *Structure and Infrastructure Engineering*, **2018**, 14, 895-910	2.9	8
17	Towards an International Levee Performance Database (ILPD) and Its Use for Macro-Scale Analysis of Levee Breaches and Failures. *Water (Switzerland)*, **2020**, 12, 119	3	8
16	Hydrodynamic and Debris-Damming Failure of Bridge Decks and Piers in Steady Flow. *Geosciences (Switzerland)*, **2018**, 8, 409	2.7	8
15	Probabilistic Assessment of Overtopping of Sea Dikes with Foreshores including Infragravity Waves and Morphological Changes: Westkapelle Case Study. *Journal of Marine Science and Engineering*, **2018**, 6, 48	2.4	6
14	Vulnerability of Buildings on Coastal Dikes due to Wave Overtopping. *Water (Switzerland)*, **2017**, 9, 394	3	6
13	On the importance of analyzing flood defense failures. *E3S Web of Conferences*, **2016**, 7, 03013	0.5	4
12	A comment on "Changing estuaries, changing views" *Hydrobiologia*, **2008**, 605, 11-15	2.4	3
11	A Bayesian hindcasting method of levee failures applied to the Breitenhagen slope failure. *Georisk*, **2020**, 1-18	1.9	3
10	Finite element-based reliability assessment of quay walls. *Georisk*, **2020**, 1-17	1.9	2
9	Defend or raise? Optimising flood risk reduction strategies. *Journal of Flood Risk Management*, **2020**, 13, e12553	3.1	2
8	Temporal Development of Backward Erosion Piping in a Large-Scale Experiment. *Journal of Geotechnical and Geoenvironmental Engineering - ASCE*, **2021**, 147, 04020168	3.4	2
7	Impact of hydraulic model resolution and loss of life model modification on flood fatality risk estimation: Case study of the Bommelerwaard, The Netherlands. *Journal of Flood Risk Management*, **2021**, 14, e12713	3.1	2
6	Conceptual Design and Physical Model Study of Core-Enhanced Dunes as Hybrid Coastal Defence Structures **2017**,		1
5	The influence of deviating conditions on levee failure rates. *Journal of Flood Risk Management*,	3.1	1
4	Target reliability indices for existing quay walls derived on the basis of economic optimisation and human safety requirements. *Structure and Infrastructure Engineering*, **2020**, 16, 613-625	2.9	1
3	An integrated framework of coastal flood modelling under the failures of sea dikes: a case study in Shanghai. *Natural Hazards*, **2021**, 109, 671-703	3	1
2	Applicability of the Goda–Takahashi Wave Load Formula for Vertical Slender Hydraulic Structures. *Journal of Marine Science and Engineering*, **2020**, 8, 868	2.4	

1 Temporal evolution of backward erosion piping in small-scale experiments. *Acta Geotechnica*,1 4.9