

# Sebastiaan Jonkman

## List of Publications by Year in Descending Order

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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.

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	An integrated framework of coastal flood modelling under the failures of sea dikes: a case study in Shanghai. <i>Natural Hazards</i> , <b>2021</b> , 109, 671-703	3	1
35	Temporal Development of Backward Erosion Piping in a Large-Scale Experiment. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , <b>2021</b> , 147, 04020168	3.4	2
34	Impact of hydraulic model resolution and loss of life model modification on flood fatality risk estimation: Case study of the Bommelerwaard, The Netherlands. <i>Journal of Flood Risk Management</i> , <b>2021</b> , 14, e12713	3.1	2
33	Finite element-based reliability assessment of quay walls. <i>Georisk</i> , <b>2020</b> , 1-17	1.9	2
32	Pan-European hydrodynamic models and their ability to identify compound floods. <i>Natural Hazards</i> , <b>2020</b> , 101, 933-957	3	17
31	Historic storms and the hidden value of coastal wetlands for nature-based flood defence. <i>Nature Sustainability</i> , <b>2020</b> , 3, 853-862	22.1	28
30	Towards an International Levee Performance Database (ILPD) and Its Use for Macro-Scale Analysis of Levee Breaches and Failures. <i>Water (Switzerland)</i> , <b>2020</b> , 12, 119	3	8
29	Target reliability indices for existing quay walls derived on the basis of economic optimisation and human safety requirements. <i>Structure and Infrastructure Engineering</i> , <b>2020</b> , 16, 613-625	2.9	1
28	Applicability of the Goda-Takahashi Wave Load Formula for Vertical Slender Hydraulic Structures. <i>Journal of Marine Science and Engineering</i> , <b>2020</b> , 8, 868	2.4	
27	Flood Risks in Sinking Delta Cities: Time for a Reevaluation?. <i>Earth's Future</i> , <b>2020</b> , 8, e2020EF001614	7.9	14
26	A Bayesian hindcasting method of levee failures applied to the Breitenhagen slope failure. <i>Georisk</i> , <b>2020</b> , 1-18	1.9	3
25	Defend or raise? Optimising flood risk reduction strategies. <i>Journal of Flood Risk Management</i> , <b>2020</b> , 13, e12553	3.1	2
24	Sub-seasonal Levee Deformation Observed Using Satellite Radar Interferometry to Enhance Flood Protection. <i>Scientific Reports</i> , <b>2019</b> , 9, 2646	4.9	8
23	Accuracy of pan-European coastal flood mapping. <i>Journal of Flood Risk Management</i> , <b>2019</b> , 12, e12459	3.1	11
22	Evaluation of flood risk reduction strategies through combinations of interventions. <i>Journal of Flood Risk Management</i> , <b>2019</b> , 12, e12506	3.1	10
21	Applicability of satellite radar imaging to monitor the conditions of levees. <i>Journal of Flood Risk Management</i> , <b>2019</b> , 12, e12509	3.1	10
20	Probabilistic Assessment of Overtopping of Sea Dikes with Foreshores including Infragravity Waves and Morphological Changes: Westkapelle Case Study. <i>Journal of Marine Science and Engineering</i> , <b>2018</b> , 6, 48	2.4	6

19	Developments in the management of flood defences and hydraulic infrastructure in the Netherlands. <i>Structure and Infrastructure Engineering</i> , <b>2018</b> , 14, 895-910	2.9	8
18	Hydrodynamic and Debris-Damming Failure of Bridge Decks and Piers in Steady Flow. <i>Geosciences (Switzerland)</i> , <b>2018</b> , 8, 409	2.7	8
17	Frequency Analysis of Storm-Surge-Induced Flooding for the Huangpu River in Shanghai, China. <i>Journal of Marine Science and Engineering</i> , <b>2018</b> , 6, 70	2.4	9
16	Trends in flood losses in Europe over the past 150 years. <i>Nature Communications</i> , <b>2018</b> , 9, 1985	17.4	126
15	Overview and Design Considerations of Storm Surge Barriers. <i>Journal of Waterway, Port, Coastal and Ocean Engineering</i> , <b>2017</b> , 143, 06017001	1.7	15
14	Conceptual Design and Physical Model Study of Core-Enhanced Dunes as Hybrid Coastal Defence Structures <b>2017</b> ,		1
13	A method for tsunami risk assessment: a case study for Kamakura, Japan. <i>Natural Hazards</i> , <b>2017</b> , 88, 1453-1472		22
12	Vulnerability of Buildings on Coastal Dikes due to Wave Overtopping. <i>Water (Switzerland)</i> , <b>2017</b> , 9, 394	3	6
11	On the importance of analyzing flood defense failures. <i>E3S Web of Conferences</i> , <b>2016</b> , 7, 03013	0.5	4
10	Advanced flood risk analysis required. <i>Nature Climate Change</i> , <b>2013</b> , 3, 1004-1004	21.4	14
9	Exploring Logistics Aspects of Flood Emergency Measures. <i>Journal of Contingencies and Crisis Management</i> , <b>2012</b> , 20, 166-179	3.5	15
8	The use of individual and societal risk criteria within the Dutch flood safety policy--nationwide estimates of societal risk and policy applications. <i>Risk Analysis</i> , <b>2011</b> , 31, 282-300	3.9	42
7	Loss of life caused by the flooding of New Orleans after Hurricane Katrina: analysis of the relationship between flood characteristics and mortality. <i>Risk Analysis</i> , <b>2009</b> , 29, 676-98	3.9	240
6	Flood risk assessment in The Netherlands: a case study for dike ring South Holland. <i>Risk Analysis</i> , <b>2008</b> , 28, 1357-74	3.9	67
5	Methods for the estimation of loss of life due to floods: a literature review and a proposal for a new method. <i>Natural Hazards</i> , <b>2008</b> , 46, 353-389	3	174
4	A comment on "Changing estuaries, changing views" <i>Hydrobiologia</i> , <b>2008</b> , 605, 11-15	2.4	3
3	Global Perspectives on Loss of Human Life Caused by Floods. <i>Natural Hazards</i> , <b>2005</b> , 34, 151-175	3	484
2	The influence of deviating conditions on levee failure rates. <i>Journal of Flood Risk Management</i> ,	3.1	1

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