Vera M Van Beek

List of Publications by Year
in descending order

16	132	1307594 7	1281871 11
papers	citations	h-index	g-index

16	16	16	75
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Multi-scale experiments for a coarse sand barrier against backward erosion piping. Geotechnique, 2022, 72, 216-226.	4.0	8
2	Errors in finite element analysis of backward erosion piping. Geomechanics for Energy and the Environment, 2022, 31, 100331.	2.5	2
3	Temporal evolution of backward erosion piping in small-scale experiments. Acta Geotechnica, 2022, 17, 4555-4576.	5.7	4
4	3D modelling of backward erosion piping experiments. Geomechanics for Energy and the Environment, 2022, 31, 100375.	2.5	1
5	Analysis of development and depth of backward erosion pipes in the presence of a coarse sand barrier. Acta Geotechnica, 2021, 16, 381-397.	5.7	7
6	Influence of a permeable sand layer on the mechanism of backward erosion piping using 3D pipe depth measurements. Acta Geotechnica, 2021, 16, 3881-3898.	5.7	2
7	Field measurements of sand boil hydraulics. Geotechnique, 2020, 70, 153-160.	4.0	10
8	Use of incipient motion data for backward erosion piping models. International Journal of Sediment Research, 2019, 34, 401-408.	3.5	11
9	Investigating the Formation of a Filter Cake in Column Experiments, for Combinations of Filter and Fine Sand in a Coarse Sand Barrier. Lecture Notes in Civil Engineering, 2019, , 211-220.	0.4	2
10	Analysis of the pipe depth development in small-scale backward erosion piping experiments. Acta Geotechnica, 2019, 14, 477-486.	5.7	12
11	Scale Effects in Coarse Sand Barrier Experiments. Lecture Notes in Civil Engineering, 2019, , 301-312.	0.4	3
12	A novel laboratory test for backward erosion piping. International Journal of Physical Modelling in Geotechnics, 2018, 18, 266-279.	0.6	27
13	Analysis of Crater Development Around Damaged Pipelines Using the Material Point Method. Procedia Engineering, 2017, 175, 204-211.	1.2	4
14	Observations on the process of backward erosion piping in small-, medium- and full-scale experiments. European Journal of Environmental and Civil Engineering, 2011, 15, 1115-1137.	2.1	36
15	Numerical modelling of the resistance of the coarse sand barrier against backward erosion piping. Geotechnique, 0, , 1-10.	4.0	1
16	The effect of relative density on the response of sand to internal fluidization. Acta Geotechnica, 0, , .	5.7	2