

Vera M Van Beek

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

132
citations

1307594

7
h-index

1281871

11
g-index

16
all docs

16
docs citations

16
times ranked

75
citing authors

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