

Hans-Balder Havenith

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

776
citations

566801

15
h-index

525886

27
g-index

62
all docs

62
docs citations

62
times ranked

866
citing authors

#	ARTICLE	IF	CITATIONS
1	Site effects modelling applied to the slope affected by the Suusamyр earthquake (Kyrgyzstan, 1992). <i>Engineering Geology</i> , 2008, 97, 126-145.	2.9	72
2	Topographic and near-surface stratigraphic amplification of the seismic response of a mountain slope revealed by field monitoring and numerical simulations. <i>Engineering Geology</i> , 2020, 271, 105607.	2.9	69
3	Tien Shan Geohazards Database: Earthquakes and landslides. <i>Geomorphology</i> , 2015, 249, 16-31.	1.1	53
4	Analyzing successive landslide dam formation by different triggering mechanisms: The case of the Tangjiawan landslide, Sichuan, China. <i>Engineering Geology</i> , 2018, 243, 128-144.	2.9	45
5	Seismic hazard assessment of the Kivu rift segment based on a new seismotectonic zonation model (western branch, East African Rift system). <i>Journal of African Earth Sciences</i> , 2017, 134, 831-855.	0.9	44
6	Analysis of landslide susceptibility in the Suusamyр region, Tien Shan: statistical and geotechnical approach. <i>Landslides</i> , 2006, 3, 39-50.	2.7	42
7	Recent technological and methodological advances for the investigation of landslide dams. <i>Earth-Science Reviews</i> , 2021, 218, 103646.	4.0	42
8	The added value of a regional landslide susceptibility assessment: The western branch of the East African Rift. <i>Geomorphology</i> , 2020, 353, 106886.	1.1	39
9	Tien Shan Geohazards Database: Landslide susceptibility analysis. <i>Geomorphology</i> , 2015, 249, 32-43.	1.1	38
10	Evidence of a changing size–frequency distribution of landslides in the Kyrgyz Tien Shan, Central Asia. <i>Earth Surface Processes and Landforms</i> , 2011, 36, 1658-1669.	1.2	37
11	A new classification of earthquake-induced landslide event sizes based on seismotectonic, topographic, climatic and geologic factors. <i>Geoenvironmental Disasters</i> , 2016, 3, .	1.8	36
12	S-wave velocity measurements applied to the seismic microzonation of Basel, Upper Rhine Graben. <i>Geophysical Journal International</i> , 2007, 170, 346-358.	1.0	33
13	How virtual reality can help visualise and assess geohazards. <i>International Journal of Digital Earth</i> , 2019, 12, 173-189.	1.6	29
14	Title is missing!. <i>Surveys in Geophysics</i> , 2000, 21, 351-370.	2.1	21
15	Occurrences and genesis of palygorskite/sepiolite and associated minerals in the Barzaman formation, United Arab Emirates. <i>Clay Minerals</i> , 2016, 51, 763-779.	0.2	18
16	Formation, breaching and flood consequences of a landslide dam near Bujumbura, Burundi. <i>Natural Hazards and Earth System Sciences</i> , 2018, 18, 1867-1890.	1.5	17
17	2D dynamic studies combined with the surface curvature analysis to predict Arias Intensity amplification. <i>Journal of Seismology</i> , 2016, 20, 711-731.	0.6	14
18	Integrated Geophysical-Geological 3D Model of the Right-Bank Slope Downstream from the Rogun Dam Construction Site, Tajikistan. <i>International Journal of Geophysics</i> , 2018, 2018, 1-16.	0.4	14

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19	Effect of Soil Geomechanical Properties and Geo-Environmental Factors on Landslide Predisposition at Mount Oku, Cameroon. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 6795.	1.2	14
20	Monitoring the Recent Activity of Landslides in the Mailuu-Suu Valley (Kyrgyzstan) Using Radar and Optical Remote Sensing Techniques. <i>Geosciences (Switzerland)</i> , 2020, 10, 164.	1.0	11
21	Analysis of the Influence of Structural Geology on the Massive Seismic Slope Failure Potential Supported by Numerical Modelling. <i>Geosciences (Switzerland)</i> , 2020, 10, 323.	1.0	10
22	Detection of Cover Collapse Doline and Other Epikarst Features by Multiple Geophysical Techniques, Case Study of Tarimba Cave, Brazil. <i>Water (Switzerland)</i> , 2020, 12, 2835.	1.2	8
23	Dynamic numerical modelling of co-seismic landslides using the 3D distinct element method: Insights from the Balta rockslide (Romania). <i>Engineering Geology</i> , 2022, 307, 106774.	2.9	8
24	The Kambarata 2 blast-fill dam, Kyrgyz Republic: blast event, geophysical monitoring and dam structure modelling. <i>Geoenvironmental Disasters</i> , 2015, 2, .	1.8	7
25	Site Effect Assessment of the Gros-Morne Hill Area in Port-au-Prince, Haiti, Part A: Geophysical-Seismological Survey Results. <i>Geosciences (Switzerland)</i> , 2018, 8, 142.	1.0	6
26	GIS-Based Landslide Susceptibility Mapping in the Great Lakes Region of Africa, Case Study of Bujumbura Burundi. , 2015, , 985-988.		6
27	Landslide Susceptibility Mapping in the Vrancea-Buzău Seismic Region, Southeast Romania. <i>Geosciences (Switzerland)</i> , 2021, 11, 495.	1.0	6
28	A New Landslide Inventory for the Armenian Lesser Caucasus: Slope Failure Morphologies and Seismotectonic Influences on Large Landslides. <i>Geosciences (Switzerland)</i> , 2020, 10, 111.	1.0	5
29	Evaluating landslide response in a seismic and rainfall regime: a case study from the SE Carpathians, Romania. <i>Natural Hazards and Earth System Sciences</i> , 2021, 21, 3767-3788.	1.5	5
30	Integrated Geological-Geophysical Models of Unstable Slopes in Seismic Areas. , 2017, , 269-279.		4
31	Site Effect Assessment of the Gros-Morne Hill Area in Port-au-Prince, Haiti, Part B: Mapping and Modelling Results. <i>Geosciences (Switzerland)</i> , 2018, 8, 233.	1.0	4
32	Preliminary assessment for the use of VORIS as a tool for rapid lava flow simulation at Goma Volcano Observatory, Democratic Republic of the Congo. <i>Natural Hazards and Earth System Sciences</i> , 2015, 15, 2391-2400.	1.5	3
33	Site Amplification Analysis of Dushanbe City Area, Tajikistan to Support Seismic Microzonation. <i>Geosciences (Switzerland)</i> , 2021, 11, 154.	1.0	3
34	Site Effect Potential in Fond Parisien, in the East of Port-au-Prince, Haiti. <i>Geosciences (Switzerland)</i> , 2021, 11, 175.	1.0	3
35	Immersive visualization of geophysical data. , 2016, , .		2
36	Estimation of total groundwater reserves and delineation of weathered/fault zones for aquifer potential: A case study from the Federal District of Brazil. <i>Open Geosciences</i> , 2021, 13, 904-916.	0.6	1

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37	Certain and potential earthquake-induced landslides in Vrancea seismic region. , 2017, , .		1
38	Seismotectonic activity in East Belgium: relevance of a major scarp and two associated landslides in the region of Malmedy. <i>Geologica Belgica</i> , 2018, 21, 101-110.	0.9	1
39	Overcoming Data Scarcity Related Issues for Landslide Susceptibility Modeling with Machine Learning. ICL Contribution To Landslide Disaster Risk Reduction, 2021, , 241-247.	0.3	0
40	Hydrogeophysical Characterization of Fractured Aquifers for Groundwater Exploration in the Federal District of Brazil. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 2509.	1.3	0