Helene Petschko

List of Publications by Year
in descending order

17 papers	1,102 citations	1040056 9 h-index	1281871 11 g-index
30 all docs	30 docs citations	30 times ranked	1101 citing authors

#	Article	IF	Citations
1	Evaluating machine learning and statistical prediction techniques for landslide susceptibility modeling. Computers and Geosciences, 2015, 81, 1-11.	4.2	526
2	Assessing the quality of landslide susceptibility maps â€“ case study Lower Austria. Natural Hazards and Earth System Sciences, 2014, 14, 95-118.	3.6	176
3	Exploring discrepancies between quantitative validation results and the geomorphic plausibility of statistical landslide susceptibility maps. Geomorphology, 2016, 262, 8-23.	2.6	114
4	Assessment of landslide age, landslide persistence and human impact using airborne laser scanning digital terrain models. Geografiska Annaler, Series A: Physical Geography, 2012, 94, 135-156.	1.5	60
5	Effectiveness of visually analyzing LiDAR DTM derivatives for earth and debris slide inventory mapping for statistical susceptibility modeling. Landslides, 2016, 13, 857-872.	5.4	60
6	The performance of landslide susceptibility models critically depends on the quality of digital elevation models. Geomatics, Natural Hazards and Risk, 2020, 11, 1075-1092.	4.3	33
7	Event-Based Landslide Modeling in the Styrian Basin, Austria: Accounting for Time-Varying Rainfall and Land Cover. Geosciences (Switzerland), 2020, 10, 217.	2.2	27
8	A severe landslide event in the Alpine foreland under possible future climate and land-use changes. Communications Earth & Environment, 2022, 3, .	6.8	22
9	Geographic Object-Based Image Analysis for Automated Landslide Detection Using Open Source GIS Software. ISPRS International Journal of Geo-Information, 2019, 8, 551.	2.9	20
10	DERIVING 3D POINT CLOUDS FROM TERRESTRIAL PHOTOGRAPHS - COMPARISON OF DIFFERENT SENSORS AND SOFTWARE. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLI-B5, 685-692.	0.2	19
11	Landslide Inventories for Reliable Susceptibility Maps in Lower Austria. , 2013, , 281-286.		10
12	Towards the Use of Land Use Legacies in Landslide Modeling: Current Challenges and Future Perspectives in an Austrian Case Study. Land, 2021, 10, 954.	2.9	7
13	Evaluating the Effect of Modelling Methods and Landslide Inventories Used for Statistical Susceptibility Modelling. , 2015, , 201-204.		7
14	Relative Age Estimation at Landslide Mapping on LiDAR Derivatives: Revealing the Applicability of Land Cover Data in Statistical Susceptibility Modelling. , 2014, , 337-343.		5
15	Landslide Susceptibility Maps for Spatial Planning in Lower Austria. , 2013, , 467-472.		4
16	Erosion Processes and Mass Movements in Sinkholes Assessed by Terrestrial Structure from Motion Photogrammetry. , 2017, , 227-235.		2
17	Terrestrial and Airborne Structure from Motion Photogrammetry Applied for Change Detection within a Sinkhole in Thuringia, Germany. Remote Sensing, 2022, 14, 3058.	4.0	1