Olivier Dewitte

List of Publications by Year
in descending order

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49	1,660	257357	302012
papers	citations	24 h-index	39 g-index

87	87	87	1909
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mass Movements in Tropical Climates. , 2022, , 338-349.		6
2	Can citizen scientists provide a reliable geo-hydrological hazard inventory? An analysis of biases, sensitivity and precision for the Rwenzori Mountains, Uganda. Environmental Research Letters, 2022, 17, 045011.	2.2	8
3	Landslides and Gullies Interact as Sources of Lake Sediments in a Rifting Context: Insights from a Highly Degraded Mountain Environment. Geosciences (Switzerland), 2022, 12, 274.	1.0	2
4	Constraining landslide timing in a data-scarce context: from recent to very old processes in the tropical environment of the North Tanganyika-Kivu Rift region. Landslides, 2021, 18, 161-177.	2.7	22
5	Interactions between deforestation, landscape rejuvenation, and shallow landslides in the North Tanganyikaâ€“Kivu rift region, Africa. Earth Surface Dynamics, 2021, 9, 445-462.	1.0	19
6	When image correlation is needed: Unravelling the complex dynamics of a slow-moving landslide in the tropics with dense radar and optical time series. Remote Sensing of Environment, 2021, 258, 112402.	4.6	26
7	Characteristics and Distribution of Landslides in the Populated Hillslopes of Bujumbura, Burundi. Geosciences (Switzerland), 2021, 11, 259.	1.0	15
8	Domain Adaptation for Semantic Segmentation of Historical Panchromatic Orthomosaics in Central Africa. ISPRS International Journal of Geo-Information, 2021, 10, 523.	1.4	6
9	Historical dynamics of landslide risk from population and forest-cover changes in the Kivu Rift. Nature Sustainability, 2021, 4, 965-974.	11.5	27
10	Satellite interferometry for mapping surface deformation time series in one, two and three dimensions: A new method illustrated on a slow-moving landslide. Engineering Geology, 2020, 266, 105471.	2.9	66
11	The added value of a regional landslide susceptibility assessment: The western branch of the East African Rift. Geomorphology, 2020, 353, 106886.	1.1	39
12	Fully convolutional networks for land cover classification from historical panchromatic aerial photographs. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 167, 385-395.	4.9	25
13	The Challenging Place of Natural Hazards in Disaster Risk Reduction Conceptual Models: Insights from Central Africa and the European Alps. International Journal of Disaster Risk Science, 2020, 11, 316-332.	1.3	13
14	Regional susceptibility assessments with heterogeneous landslide information: Slope unit- vs. pixel-based approach. Geomorphology, 2020, 356, 107084.	1.1	61
15	Social multi-criteria evaluation to identify appropriate disaster risk reduction measures: application to landslides in the Rwenzori Mountains, Uganda. Landslides, 2019, 16, 1793-1807.	2.7	15
16	Causes and triggers of deep-seated hillslope instability in the tropics â€“ Insights from a 60-year record of Ikoma landslide (DR Congo). Geomorphology, 2019, 345, 106835.	1.1	32
17	Towards a Transferable Antecedent Rainfallâ€"Susceptibility Threshold Approach for Landsliding. Water (Switzerland), 2019, 11, 2202.	1.2	17
18	Evaluation of remotely sensed rainfall products over Central Africa. Quarterly Journal of the Royal Meteorological Society, 2019, 145, 2115-2138.	1.0	54

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19	A susceptibility-based rainfall threshold approach for landslide occurrence. Natural Hazards and Earth System Sciences, 2019, 19, 775-789.	1.5	55
20	The geo-observer network: A proof of concept on participatory sensing of disasters in a remote setting. Science of the Total Environment, 2019, 670, 245-261.	3.9	19
21	Questioning network governance for disaster risk management: Lessons learnt from landslide risk management in Uganda. Environmental Science and Policy, 2018, 85, 163-171.	2.4	31
22	Soil erosion in relation to land-use changes in the sediments of Amik Lake near Antioch antique city during the last 4 kyr. Holocene, 2018, 28, 104-118.	0.9	9
23	Landslides in Belgiumâ€"Two Case Studies in the Flemish Ardennes and the Pays de Herve. World Geomorphological Landscapes, 2018, , 335-355.	0.1	0
24	Evaluating TMPA Rainfall over the Sparsely Gauged East African Rift. Journal of Hydrometeorology, 2018, 19, 1507-1528.	0.7	37
25	Field-based landslide susceptibility assessment in a data-scarce environment: the populated areas of the Rwenzori Mountains. Natural Hazards and Earth System Sciences, 2018, 18, 105-124.	1.5	42
26	Multi-Temporal DInSAR to Characterise Landslide Ground Deformations in a Tropical Urban Environment: Focus on Bukavu (DR Congo). Remote Sensing, 2018, 10, 626.	1.8	34
27	Landslide inventory for hazard assessment in a data-poor context: a regional-scale approach in a tropical African environment. Landslides, 2018, 15, 2195-2209.	2.7	41
28	Landslides susceptibility assessment using AHP method in Kanyosha watershed (Bujumbura-Burundi): Urbanisation and management impacts. MATEC Web of Conferences, 2018, 149, 02071.	0.1	1
29	Landslide characteristics and spatial distribution in the Rwenzori Mountains, Uganda. Journal of African Earth Sciences, 2017, 134, 917-930.	0.9	56
30	Landslide risk reduction measures: A review of practices and challenges for the tropics. Progress in Physical Geography, 2017, 41, 191-221.	1.4	47
31	Landslide Risk Management in Uganda: A Multi-level Policy Approach. , 2017, , 395-403.		6
32	Landslide Diversity in the Rwenzori Mountains (Uganda). , 2017, , 79-86.		2
33	Reconstruction of a flash flood event through a multi-hazard approach: focus on the Rwenzori Mountains, Uganda. Natural Hazards, 2016, 84, 851-876.	1.6	40
34	The Rwenzori Mountains, a landslide-prone region?. Landslides, 2016, 13, 519-536.	2.7	74
35	Modelling soil erosion at European scale: towards harmonization and reproducibility. Natural Hazards and Earth System Sciences, 2015, 15, 225-245.	1.5	88
36	Corrigendum to "Modelling soil erosion at European scale: towards harmonization and reproducibility" published in Nat. Hazards Earth Syst. Sci.,15, 225â€"245, 2015. Natural Hazards and Earth System Sciences, 2015, 15, 291-291.	1.5	1

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37	Site- and rainfall-specific runoff coefficients and critical rainfall for mega-gully development in Kinshasa (DR Congo). Natural Hazards, 2015, 79, 203-233.	1.6	22
38	Predicting the susceptibility to gully initiation in data-poor regions. Geomorphology, 2015, 228, 101-115.	1.1	51
39	La rÃ©silience face aux glissements de terrain en Afrique Ã©quatorialeÂ: Aller au-delÃ de l'identification des problÃ¨mes. Belgeo, 2015, , .	0.1	14
40	Topographic and road control of mega-gullies in Kinshasa (DR Congo). Geomorphology, 2014, 217, 131-139.	1.1	46
41	Harmonisation of the soil map of Africa at the continental scale. Geoderma, 2013, 211-212, 138-153.	2.3	150
42	Satellite remote sensing for soil mapping in Africa. Progress in Physical Geography, 2012, 36, 514-538.	1.4	45
43	Soil information in support of policy making and awareness raising. Current Opinion in Environmental Sustainability, 2012, 4, 552-558.	3.1	53
44	Combining spatial data in landslide reactivation susceptibility mapping: A likelihood ratio-based approach in W Belgium. Geomorphology, 2010, 122, 153-166.	1.1	31
45	Decadal-scale analysis of ground movements in old landslides in western Belgium. Zeitschrift FÃ¼r Geomorphologie, 2009, 53, 23-45.	0.3	4
46	Tracking landslide displacements by multi-temporal DTMs: A combined aerial stereophotogrammetric and LIDAR approach in western Belgium. Engineering Geology, 2008, 99, 11-22.	2.9	118
47	Reactivation of old landslides: lessons learned from a case-study in the Flemish Ardennes (Belgium). Soil Use and Management, 2007, 23, 200-211.	2.6	20
48	Reactivation hazard mapping for ancient landslides in West Belgium. Natural Hazards and Earth System Sciences, 2006, 6, 653-662.	1.5	22
49	Morphometry and kinematics of landslides inferred from precise DTMs in West Belgium. Natural Hazards and Earth System Sciences, 2005, 5, 259-265.	1.5	39