Olivier Dewitte

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4594725/publications.pdf

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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	Harmonisation of the soil map of Africa at the continental scale. Geoderma, 2013, 211-212, 138-153.	2.3	150
2	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
3	Modelling soil erosion at European scale: towards harmonization and reproducibility. Natural Hazards and Earth System Sciences, 2015, 15, 225-245.	1.5	88
4	The Rwenzori Mountains, a landslide-prone region?. Landslides, 2016, 13, 519-536.	2.7	74
5	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
6	Regional susceptibility assessments with heterogeneous landslide information: Slope unit- vs. pixel-based approach. Geomorphology, 2020, 356, 107084.	1.1	61
7	Landslide characteristics and spatial distribution in the Rwenzori Mountains, Uganda. Journal of African Earth Sciences, 2017, 134, 917-930.	0.9	56
8	A susceptibility-based rainfall threshold approach for landslide occurrence. Natural Hazards and Earth System Sciences, 2019, 19, 775-789.	1.5	55
9	Evaluation of remotely sensed rainfall products over Central Africa. Quarterly Journal of the Royal Meteorological Society, 2019, 145, 2115-2138.	1.0	54
10	Soil information in support of policy making and awareness raising. Current Opinion in Environmental Sustainability, 2012, 4, 552-558.	3.1	53
11	Predicting the susceptibility to gully initiation in data-poor regions. Geomorphology, 2015, 228, 101-115.	1.1	51
12	Landslide risk reduction measures: A review of practices and challenges for the tropics. Progress in Physical Geography, 2017, 41, 191-221.	1.4	47
13	Topographic and road control of mega-gullies in Kinshasa (DR Congo). Geomorphology, 2014, 217, 131-139.	1.1	46
14	Satellite remote sensing for soil mapping in Africa. Progress in Physical Geography, 2012, 36, 514-538.	1.4	45
15	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
16	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
17	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
18	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

#	Article	IF	Citations
19	The added value of a regional landslide susceptibility assessment: The western branch of the East African Rift. Geomorphology, 2020, 353, 106886.	1.1	39
20	Evaluating TMPA Rainfall over the Sparsely Gauged East African Rift. Journal of Hydrometeorology, 2018, 19, 1507-1528.	0.7	37
21	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
22	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
23	Combining spatial data in landslide reactivation susceptibility mapping: A likelihood ratio-based approach in W Belgium. Geomorphology, 2010, 122, 153-166.	1.1	31
24	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
25	Historical dynamics of landslide risk from population and forest-cover changes in the Kivu Rift. Nature Sustainability, 2021, 4, 965-974.	11.5	27
26	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
27	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
28	Reactivation hazard mapping for ancient landslides in West Belgium. Natural Hazards and Earth System Sciences, 2006, 6, 653-662.	1.5	22
29	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
30	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
31	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
32	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
33	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
34	Towards a Transferable Antecedent Rainfallâ€”Susceptibility Threshold Approach for Landsliding. Water (Switzerland), 2019, 11, 2202.	1.2	17
35	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
36	Characteristics and Distribution of Landslides in the Populated Hillslopes of Bujumbura, Burundi. Geosciences (Switzerland), 2021, 11, 259.	1.0	15

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37	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
38	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
39	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
40	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
41	Mass Movements in Tropical Climates. , 2022, , 338-349.		6
42	Domain Adaptation for Semantic Segmentation of Historical Panchromatic Orthomosaics in Central Africa. ISPRS International Journal of Geo-Information, 2021, 10, 523.	1.4	6
43	Landslide Risk Management in Uganda: A Multi-level Policy Approach. , 2017, , 395-403.		6
44	Decadal-scale analysis of ground movements in old landslides in western Belgium. Zeitschrift FÃ¼r Geomorphologie, 2009, 53, 23-45.	0.3	4
45	Landslide Diversity in the Rwenzori Mountains (Uganda). , 2017, , 79-86.		2
46	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
47	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
48	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
49	Landslides in Belgiumâ€”Two Case Studies in the Flemish Ardennes and the Pays de Herve. World Geomorphological Landscapes, 2018, , 335-355.	0.1	0