

Alexander Handwerger

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2029002/publications.pdf>

Version: 2024-02-01

21
papers

1,112
citations

567281

15
h-index

752698

20
g-index

46
all docs

46
docs citations

46
times ranked

945
citing authors

#	ARTICLE	IF	CITATIONS
1	Generating landslide density heatmaps for rapid detection using open-access satellite radar data in Google Earth Engine. <i>Natural Hazards and Earth System Sciences</i> , 2022, 22, 753-773.	3.6	18
2	A new method to detect changes in displacement rates of slow-moving landslides using InSAR time series. <i>Landslides</i> , 2022, 19, 2233-2247.	5.4	13
3	Landslide Sensitivity and Response to Precipitation Changes in Wet and Dry Climates. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	10
4	Inferring the Subsurface Geometry and Strength of Slow-Moving Landslides Using 3D Velocity Measurements From the NASA/JPL UAVSAR. <i>Journal of Geophysical Research F: Earth Surface</i> , 2021, 126, e2020JF005898.	2.8	13
5	Unsaturated Flow Processes and the Onset of Seasonal Deformation in Slow-Moving Landslides. <i>Journal of Geophysical Research F: Earth Surface</i> , 2021, 126, e2020JF005758.	2.8	18
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. <i>Remote Sensing of Environment</i> , 2021, 258, 112402.	11.0	26
7	Soil Moisture Retrieval Using L-Band SAR Over Landslide Regions in Northern California Grasslands. , 2021, , .		0
8	InSAR-based characterization of rock glacier movement in the Uinta Mountains, Utah, USA. <i>Cryosphere</i> , 2021, 15, 4823-4844.	3.9	17
9	Life and death of slow-moving landslides. <i>Nature Reviews Earth & Environment</i> , 2020, 1, 404-419.	29.7	150
10	InSAR-based detection method for mapping and monitoring slow-moving landslides in remote regions with steep and mountainous terrain: An application to Nepal. <i>Remote Sensing of Environment</i> , 2020, 249, 111983.	11.0	97
11	Mobility, Thickness, and Hydraulic Diffusivity of the Slow-Moving Monroe Landslide in California Revealed by L-Band Satellite Radar Interferometry. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 7504-7518.	3.4	47
12	River channel width controls blocking by slow-moving landslides in California's Franciscan mÃ©lange. <i>Earth Surface Dynamics</i> , 2019, 7, 879-894.	2.4	17
13	Widespread Initiation, Reactivation, and Acceleration of Landslides in the Northern California Coast Ranges due to Extreme Rainfall. <i>Journal of Geophysical Research F: Earth Surface</i> , 2019, 124, 1782-1797.	2.8	71
14	A shift from drought to extreme rainfall drives a stable landslide to catastrophic failure. <i>Scientific Reports</i> , 2019, 9, 1569.	3.3	117
15	Submarine landslides triggered by destabilization of high-saturation hydrate anomalies. <i>Geochemistry, Geophysics, Geosystems</i> , 2017, 18, 2429-2445.	2.5	28
16	Historic drought puts the brakes on earthflows in Northern California. <i>Geophysical Research Letters</i> , 2016, 43, 5725-5731.	4.0	50
17	Rate-weakening friction characterizes both slow sliding and catastrophic failure of landslides. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 10281-10286.	7.1	80
18	Beyond the angle of repose: A review and synthesis of landslide processes in response to rapid uplift, Eel River, Northern California. <i>Geomorphology</i> , 2015, 236, 109-131.	2.6	56

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19	Kinematics of earthflows in the Northern California Coast Ranges using satellite interferometry. <i>Geomorphology</i> , 2015, 246, 321-333.	2.6	49
20	Controls on the seasonal deformation of slow-moving landslides. <i>Earth and Planetary Science Letters</i> , 2013, 377-378, 239-247.	4.4	118
21	â€˜You are HEREâ€™: Connecting the dots with airborne lidar for geomorphic fieldwork. <i>Geomorphology</i> , 2013, 200, 172-183.	2.6	112