

Dalia B Kirschbaum

List of Publications by Year in descending order

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Version: 2024-02-01

69
papers

4,552
citations

147801

31
h-index

118850

62
g-index

90
all docs

90
docs citations

90
times ranked

4517
citing authors

#	ARTICLE	IF	CITATIONS
1	Rainfall-induced landslide inventories for Lower Mekong based on Planet imagery and a semi-automatic mapping method. <i>Geoscience Data Journal</i> , 2022, 9, 315-327.	4.4	10
2	Could road constructions be more hazardous than an earthquake in terms of mass movement?. <i>Natural Hazards</i> , 2022, 112, 639-663.	3.4	27
3	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
4	Insights from the topographic characteristics of a large global catalog of rainfall-induced landslide event inventories. <i>Natural Hazards and Earth System Sciences</i> , 2022, 22, 1129-1149.	3.6	24
5	Ensemble Representation of Satellite Precipitation Uncertainty Using a Nonstationary, Anisotropic Autocorrelation Model. <i>Water Resources Research</i> , 2022, 58, .	4.2	6
6	Landslide Hazard and Exposure Modelling in Data-Poor Regions: The Example of the Rohingya Refugee Camps in Bangladesh. <i>Earth's Future</i> , 2021, 9, e2020EF001666.	6.3	12
7	Landslide mapping using object-based image analysis and open source tools. <i>Engineering Geology</i> , 2021, 282, 106000.	6.3	67
8	Capturing the footprints of ground motion in the spatial distribution of rainfall-induced landslides. <i>Bulletin of Engineering Geology and the Environment</i> , 2021, 80, 4323-4345.	3.5	22
9	Global connections between El Nino and landslide impacts. <i>Nature Communications</i> , 2021, 12, 2262.	12.8	29
10	Data-Driven Landslide Nowcasting at the Global Scale. <i>Frontiers in Earth Science</i> , 2021, 9, .	1.8	48
11	New Insight into Post-seismic Landslide Evolution Processes in the Tropics. <i>Frontiers in Earth Science</i> , 2021, 9, .	1.8	9
12	A closer look at factors governing landslide recovery time in post-seismic periods. <i>Geomorphology</i> , 2021, 391, 107912.	2.6	12
13	Landslide Information System for Disaster Risk Financing: Earth Observation and Modelling Products for Near-Real- Time Assessment. , 2021, , .		1
14	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
15	Potential of GPM IMERG Precipitation Estimates to Monitor Natural Disaster Triggers in Urban Areas: The Case of Rio de Janeiro, Brazil. <i>Remote Sensing</i> , 2020, 12, 4095.	4.0	25
16	Landslides across the USA: occurrence, susceptibility, and data limitations. <i>Landslides</i> , 2020, 17, 2271-2285.	5.4	55
17	Changes in Extreme Precipitation and Landslides Over High Mountain Asia. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL085347.	4.0	86
18	Review article: Natural hazard risk assessments at the global scale. <i>Natural Hazards and Earth System Sciences</i> , 2020, 20, 1069-1096.	3.6	132

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19	Extreme Precipitation in the Himalayan Landslide Hotspot. <i>Advances in Global Change Research</i> , 2020, , 1087-1111.	1.6	14
20	Incorporation of Satellite Precipitation Uncertainty in a Landslide Hazard Nowcasting System. <i>Journal of Hydrometeorology</i> , 2020, 21, 1741-1759.	1.9	12
21	Object-Based Comparison of Data-Driven and Physics-Driven Satellite Estimates of Extreme Rainfall. <i>Journal of Hydrometeorology</i> , 2020, 21, 2759-2776.	1.9	9
22	New global characterisation of landslide exposure. <i>Natural Hazards and Earth System Sciences</i> , 2020, 20, 3413-3424.	3.6	45
23	Using citizen science to expand the global map of landslides: Introducing the Cooperative Open Online Landslide Repository (COOLR). <i>PLoS ONE</i> , 2019, 14, e0218657.	2.5	53
24	Use of Very High-Resolution Optical Data for Landslide Mapping and Susceptibility Analysis along the Karnali Highway, Nepal. <i>Remote Sensing</i> , 2019, 11, 2284.	4.0	39
25	The State of Remote Sensing Capabilities of Cascading Hazards Over High Mountain Asia. <i>Frontiers in Earth Science</i> , 2019, 7, .	1.8	51
26	Bayesian analysis of the impact of rainfall data product on simulated slope failure for North Carolina locations. <i>Computational Geosciences</i> , 2019, 23, 495-522.	2.4	12
27	Automated Satellite-Based Landslide Identification Product for Nepal. <i>Earth Interactions</i> , 2019, 23, 1-21.	1.5	21
28	Global Precipitation Measurement (GPM): Unified Precipitation Estimation from Space. <i>Springer Remote Sensing/photogrammetry</i> , 2018, , 175-193.	0.4	9
29	The Global Precipitation Measurement (GPM) mission's scientific achievements and societal contributions: reviewing four years of advanced rain and snow observations. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2018, 144, 27-48.	2.7	112
30	Satellite-Based Assessment of Rainfall-Triggered Landslide Hazard for Situational Awareness. <i>Earth's Future</i> , 2018, 6, 505-523.	6.3	175
31	Statistical approaches for the definition of landslide rainfall thresholds and their uncertainty using rain gauge and satellite data. <i>Geomorphology</i> , 2017, 285, 16-27.	2.6	82
32	A heuristic approach to global landslide susceptibility mapping. <i>Natural Hazards</i> , 2017, 87, 145-164.	3.4	183
33	Approximating Long-Term Statistics Early in the Global Precipitation Measurement Era. <i>Earth Interactions</i> , 2017, 21, 1-10.	1.5	7
34	The Global Precipitation Measurement (GPM) Mission for Science and Society. <i>Bulletin of the American Meteorological Society</i> , 2017, 98, 1679-1695.	3.3	541
35	So, How Much of the Earth's Surface Is Covered by Rain Gauges?. <i>Bulletin of the American Meteorological Society</i> , 2017, 98, 69-78.	3.3	433
36	NASA's Remotely Sensed Precipitation: A Reservoir for Applications Users. <i>Bulletin of the American Meteorological Society</i> , 2017, 98, 1169-1184.	3.3	90

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37	Comparison of Satellite Rainfall Estimates and Rain Gauge Measurements in Italy, and Impact on Landslide Modeling. <i>Climate</i> , 2017, 5, 90.	2.8	29
38	Hydrometeorological Hazards: Monitoring, Forecasting, Risk Assessment, and Socioeconomic Responses. <i>Advances in Meteorology</i> , 2016, 2016, 1-3.	1.6	17
39	A Global Capacity Building Vision for Societal Applications of Earth Observing Systems and Data: Key Questions and Recommendations. <i>Bulletin of the American Meteorological Society</i> , 2016, 97, 1295-1299.	3.3	7
40	Role of Earth Observation Data in Disaster Response and Recovery: From Science to Capacity Building. <i>Springer Remote Sensing/photogrammetry</i> , 2016, , 119-146.	0.4	9
41	Earth Science Satellite Applications. <i>Springer Remote Sensing/photogrammetry</i> , 2016, , .	0.4	2
42	Landslides in West Coast metropolitan areas: The role of extreme weather events. <i>Weather and Climate Extremes</i> , 2016, 14, 67-79.	4.1	19
43	Unlocking the full potential of Earth observation during the 2015 Texas flood disaster. <i>Water Resources Research</i> , 2016, 52, 3288-3293.	4.2	34
44	Geomorphic and geologic controls of geohazards induced by Nepal's 2015 Gorkha earthquake. <i>Science</i> , 2016, 351, aac8353.	12.6	317
45	Modeling landslide susceptibility over large regions with fuzzy overlay. <i>Landslides</i> , 2016, 13, 485-496.	5.4	44
46	Precipitation Data Key to Food Security and Public Health. <i>Eos</i> , 2016, 97, .	0.1	6
47	A SATELLITE-BASED GLOBAL LANDSLIDE HAZARD ASSESSMENT MODEL FOR SITUATIONAL AWARENESS. , 2016, , .		1
48	A dynamic landslide hazard assessment system for Central America and Hispaniola. <i>Natural Hazards and Earth System Sciences</i> , 2015, 15, 2257-2272.	3.6	44
49	Spatial and temporal analysis of a global landslide catalog. <i>Geomorphology</i> , 2015, 249, 4-15.	2.6	304
50	Probabilistic Prediction of Landslides Induced by Rainfall. , 2014, , .		1
51	Assessing the Impact of L-Band Observations on Drought and Flood Risk Estimation: A Decision-Theoretic Approach in an OSSE Environment. <i>Journal of Hydrometeorology</i> , 2014, 15, 2140-2156.	1.9	17
52	A cloud-based global flood disaster community cyber-infrastructure: Development and demonstration. <i>Environmental Modelling and Software</i> , 2014, 58, 86-94.	4.5	64
53	Precipitation from Space: Advancing Earth System Science. <i>Bulletin of the American Meteorological Society</i> , 2013, 94, 365-375.	3.3	162
54	Spatial and temporal dust source variability in northern China identified using advanced remote sensing analysis. <i>Earth Surface Processes and Landforms</i> , 2013, 38, 793-809.	2.5	15

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55	Dust emission in northern China: atmospheric emissionâ€“dispersion modelling of a major dust event. Earth Surface Processes and Landforms, 2013, 38, 1354-1368.	2.5	1
56	Using Remotely Sensed Information for Near Real-Time Landslide Hazard Assessment. , 2013, , 357-362.		1
57	Evaluation of Landslide Inventory Information: Extreme Precipitation and Global Patterns. , 2013, , 127-135.		0
58	TRMM satellite rainfall estimates for landslide early warning in Italy: preliminary results. Proceedings of SPIE, 2012, , .	0.8	10
59	Global Distribution of Extreme Precipitation and High-Impact Landslides in 2010 Relative to Previous Years. Journal of Hydrometeorology, 2012, 13, 1536-1551.	1.9	74
60	Advances in landslide nowcasting: evaluation of a global and regional modeling approach. Environmental Earth Sciences, 2012, 66, 1683-1696.	2.7	87
61	Assessment of shallow landslides from Hurricane Mitch in central America using a physically based model. Environmental Earth Sciences, 2012, 66, 1697-1705.	2.7	48
62	Remote sensing and modeling of landslides: detection, monitoring and risk evaluation. Environmental Earth Sciences, 2012, 66, 1583-1583.	2.7	3
63	Evaluation of TRIGRS (transient rainfall infiltration and grid-based regional slope-stability analysis)â€™s predictive skill for hurricane-triggered landslides: a case study in Macon County, North Carolina. Natural Hazards, 2011, 58, 325-339.	3.4	75
64	A global landslide catalog for hazard applications: method, results, and limitations. Natural Hazards, 2010, 52, 561-575.	3.4	320
65	A digitized global flood inventory (1998â€“2008): compilation and preliminary results. Natural Hazards, 2010, 55, 405-422.	3.4	151
66	Evaluation of a preliminary satellite-based landslide hazard algorithm using global landslide inventories. Natural Hazards and Earth System Sciences, 2009, 9, 673-686.	3.6	90
67	Review of the source characteristics of the Great Sumatraâ€“Andaman Islands earthquake of 2004. Surveys in Geophysics, 2006, 27, 603-613.	4.6	12
68	Review article: Natural hazard risk assessments at the global scale. , 0, , .		0
69	Global Landslide Forecasting System for Hazard Assessment and Situational Awareness. Frontiers in Earth Science, 0, 10, .	1.8	6