

Brian Collins

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

1,564
citations

516561

16
h-index

610775

24
g-index

32
all docs

32
docs citations

32
times ranked

1686
citing authors

#	ARTICLE	IF	CITATIONS
1	Stability Analyses of Rainfall Induced Landslides. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2004, 130, 362-372.	1.5	367
2	Landslide mobility and hazards: implications of the 2014 Oso disaster. Earth and Planetary Science Letters, 2015, 412, 197-208.	1.8	302
3	Rockfall triggering by cyclic thermal stressing of exfoliation fractures. Nature Geoscience, 2016, 9, 395-400.	5.4	181
4	Progressive failure of sheeted rock slopes: the 2009â€“2010 Rhombus Wall rock falls in Yosemite Valley, California, USA. Earth Surface Processes and Landforms, 2012, 37, 546-561.	1.2	81
5	Hysteresis of Unsaturated Hydromechanical Properties of a Silty Soil. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2013, 139, 507-510.	1.5	54
6	Spatial distribution of landslides triggered from the 2007 Niigata Chuetsuâ€“Oki Japan Earthquake. Engineering Geology, 2012, 127, 14-26.	2.9	51
7	Thermal influences on spontaneous rock dome exfoliation. Nature Communications, 2018, 9, 762.	5.8	49
8	Assessing rockfall susceptibility in steep and overhanging slopes using three-dimensional analysis of failure mechanisms. Landslides, 2018, 15, 859-878.	2.7	46
9	Detection of rock bridges by infrared thermal imaging and modeling. Scientific Reports, 2019, 9, 13138.	1.6	46
10	Identifying Physicsâ€“Based Thresholds for Rainfallâ€“Induced Landsliding. Geophysical Research Letters, 2018, 45, 9651-9661.	1.5	44
11	Assessing the Feasibility of Satelliteâ€“Based Thresholds for Hydrologically Driven Landsliding. Water Resources Research, 2019, 55, 9006-9023.	1.7	44
12	Rock fall dynamics and deposition: an integrated analysis of the 2009 Ahwiyah Point rock fall, Yosemite National Park, USA. Earth Surface Processes and Landforms, 2012, 37, 680-691.	1.2	42
13	High-resolution three-dimensional imaging and analysis of rock falls in Yosemite Valley, California. , 2011, 7, 573-581.		41
14	A regime shift in sediment export from a coastal watershed during a record wet winter, California: Implications for landscape response to hydroclimatic extremes. Earth Surface Processes and Landforms, 2018, 43, 2562-2577.	1.2	36
15	Enhanced landslide mobility by basal liquefaction: The 2014 State Route 530 (Oso), Washington, landslide. Bulletin of the Geological Society of America, 2020, 132, 451-476.	1.6	29
16	Variability in soil-water retention properties and implications for physics-based simulation of landslide early warning criteria. Landslides, 2018, 15, 1265-1277.	2.7	23
17	Relations between rainfallâ€“runoffâ€“induced erosion and aeolian deposition at archaeological sites in a semiâ€“arid damâ€“controlled river corridor. Earth Surface Processes and Landforms, 2016, 41, 899-917.	1.2	17
18	Linking Mesoscale Meteorology With Extreme Landscape Response: Effects of Narrow Cold Frontal Rainbands (NCFR). Journal of Geophysical Research F: Earth Surface, 2020, 125, e2020JF005675.	1.0	13

#	ARTICLE	IF	CITATIONS
19	Geoengineering and Seismological Aspects of the Niigata-Ken Chuetsu-Oki Earthquake of 16 July 2007. Earthquake Spectra, 2009, 25, 777-802.	1.6	12
20	Remote thermal detection of exfoliation sheet deformation. Landslides, 2021, 18, 865-879.	2.7	12
21	Relaxation Response of Critically Stressed Macroscale Surficial Rock Sheets. Rock Mechanics and Rock Engineering, 2019, 52, 5013-5023.	2.6	11
22	Rapid 3-D analysis of rockfalls. GSA Today, 2018, , 28-29.	1.1	7
23	When hazard avoidance is not an option: lessons learned from monitoring the postdisaster Oso landslide, USA. Landslides, 2021, 18, 2993-3009.	2.7	3
24	Progress and Lessons Learned from Responses to Landslide Disasters. ICL Contribution To Landslide Disaster Risk Reduction, 2021, , 85-111.	0.3	2
25	SPATIAL AND TEMPORAL VARIABILITY IN ROCK DOME EXFOLIATION AND WEATHERING. , 2016, , .		2
26	Rockfall Kinematics from Massive Rock Cliffs: Outlier Boulders and Flyrock from Whitney Portal, California, Rockfalls. Environmental and Engineering Geoscience, 2022, 28, 3-24.	0.3	2