Rex L Baum

List of Publications by Year
in descending order

39 papers	3,769 citations	331642 21 h-index	454934 30 g-index
70 all docs	70 docs citations	70 times ranked	2581 citing authors

#	Article	IF	Citations
1	Early warning of rainfall-induced shallow landslides and debris flows in the USA. Landslides, 2010, 7, 259-272.	5.4	427
2	Landslide mobility and hazards: implications of the 2014 Oso disaster. Earth and Planetary Science Letters, 2015, 412, 197-208.	4.4	302
3	Estimating the timing and location of shallow rainfallâ€induced landslides using a model for transient, unsaturated infiltration. Journal of Geophysical Research, 2010, 115, .	3.3	268
4	New insights into debris-flow hazards from an extraordinary event in the Colorado Front Range. GSA Today, 2014, 24, 4-10.	2.0	260
5	Transient deterministic shallow landslide modeling: Requirements for susceptibility and hazard assessments in a GIS framework. Engineering Geology, 2008, 102, 214-226.	6.3	256
6	Rainfall characteristics for shallow landsliding in Seattle, Washington, USA. Earth Surface Processes and Landforms, 2006, 31, 97-110.	2.5	218
7	Modeling regional initiation of rainfall-induced shallow landslides in the eastern Umbria Region of central Italy. Landslides, 2006, 3, 181-194.	5.4	208
8	Landsliding in partially saturated materials. Geophysical Research Letters, 2009, 36, .	4.0	175
9	Improving predictive power of physically based rainfall-induced shallow landslide models: a probabilistic approach. Geoscientific Model Development, 2014, 7, 495-514.	3.6	127
10	Regional landslide-hazard assessment for Seattle, Washington, USA. Landslides, 2005, 2, 266-279.	5.4	106
11	Modeling landslide recurrence in Seattle, Washington, USA. Engineering Geology, 2008, 102, 227-237.	6.3	87
12	Integrating real-time subsurface hydrologic monitoring with empirical rainfall thresholds to improve landslide early warning. Landslides, 2018, 15, 1909-1919.	5.4	78
13	Stability of infinite slopes under transient partially saturated seepage conditions. Water Resources Research, 2012, 48, .	4.2	64
14	Rock-avalanche dynamics revealed by large-scale field mapping and seismic signals at a highly mobile avalanche in the West Salt Creek valley, western Colorado. , 2016, 12, 607-631.		62
15	Elucidating the role of vegetation in the initiation of rainfallâ€induced shallow landslides: Insights from an extreme rainfall event in the Colorado Front Range. Geophysical Research Letters, 2016, 43, 9084-9092.	4.0	62
16	Landslides across the USA: occurrence, susceptibility, and data limitations. Landslides, 2020, 17, 2271-2285.	5.4	55
17	Basalâ€topographic control of stationary ponds on a continuously moving landslide. Earth Surface Processes and Landforms, 2009, 34, 264-279.	2.5	46
18	Use of longitudinal strain in identifying driving and resisting elements of landslides. Bulletin of the Geological Society of America, 1991, 103, 1121-1132.	3.3	45

#	Article	IF	Citations
19	The influence of vegetation on debris-flow initiation during extreme rainfall in the northern Colorado Front Range. Geology, 2016, 44, 823-826.	4.4	41
20	Physically Based Estimation of Rainfall Thresholds Triggering Shallow Landslides in Volcanic Slopes of Southern Italy. Water (Switzerland), 2019, 11, 1915.	2.7	33
21	Geology, hydrology, and mechanics of a slow-moving, clay-rich landslide, Honolulu, Hawaii. Reviews in Engineering Geology, 1995, , 79-106.	0.1	32
22	Hydrologic Impacts of Landslide Disturbances: Implications for Remobilization and Hazard Persistence. Water Resources Research, 2017, 53, 8250-8265.	4.2	26
23	A prototype system for forecasting landslides in the Seattle, Washington, area. , 2008, , .		23
24	Modeling rainfall Conditions for Shallow landsliding in Seattle, Washington. , 2008, , .		23
25	Application of a process-based shallow landslide hazard model over a broad area in Central Italy. Landslides, 2016, 13, 1197-1214.	5.4	21
26	Incorporating the Effects of Complex Soil Layering and Thickness Local Variability into Distributed Landslide Susceptibility Assessments. Water (Switzerland), 2021, 13, 713.	2.7	18
27	Bayesian analysis of the impact of rainfall data product on simulated slope failure for North Carolina locations. Computational Geosciences, 2019, 23, 495-522.	2.4	12
28	Instability of steep slopes. , 2005, , 53-79.		11
29	Field and Laboratory Hydraulic Characterization of Landslideâ€Prone Soils in the Oregon Coast Range and Implications for Hydrologic Simulation. Vadose Zone Journal, 2018, 17, 1-15.	2.2	11
30	â€œReport a Landslideâ€•A Website to Engage the Public in Identifying Geologic Hazards. , 2014, , 95-100.		11
31	Landslides triggered by the 13 January and 13 February 2001 earthquakes in El Salvador. , 2004, , .		10
32	HydroMet: A New Code for Automated Objective Optimization of Hydrometeorological Thresholds for Landslide Initiation. Water (Switzerland), 2021, 13, 1752.	2.7	10
33	When hazard avoidance is not an option: lessons learned from monitoring the postdisaster Oso landslide, USA. Landslides, 2021, 18, 2993-3009.	5.4	3
34	Progress and Lessons Learned from Responses to Landslide Disasters. ICL Contribution To Landslide Disaster Risk Reduction, 2021, , 85-111.	0.3	2
35	Evaluating a Slope-Stability Model for Shallow Rain-Induced Landslides Using Gage and Satellite Data. , 2014, , 431-436.		1
36	Plenary: Progress in Regional Landslide Hazard Assessmentâ€”Examples from the USA. , 2014, , 21-36.		1

#	Article	IF	Citations
37	Rapid Sensitivity Analysis for Reducing Uncertainty in Landslide Hazard Assessments. ICL Contribution To Landslide Disaster Risk Reduction, 2021, , 329-335.	0.3	0
38	Earth flows. , 1978, , 397-400.		0
39	Earth flows. , 1978, , 397-400.		0