ClÃ©ment Hibert

List of Publications by Year
in descending order

21 papers	1,190 citations	394421 19 h-index	713466 21 g-index
40 all docs	40 docs citations	40 times ranked	1226 citing authors

#	Article	IF	Citations
1	Near-real-time automated classification of seismic signals of slope failures with continuous random forests. Natural Hazards and Earth System Sciences, 2021, 21, 339-361.	3.6	24
2	Machine Learning Improves Debris Flow Warning. Geophysical Research Letters, 2021, 48, e2020GL090874.	4.0	31
3	Toward False Event Detection and Quarry Blast versus Earthquake Discrimination in an Operational Setting Using Semiautomated Machine Learning. Seismological Research Letters, 2021, 92, 3725-3742.	1.9	9
4	Simulation of Topography Effects on Rockfall–Generated Seismic Signals: Application to Piton de la Fournaise Volcano. Journal of Geophysical Research: Solid Earth, 2020, 125, e2020JB019874.	3.4	6
5	Exploration of continuous seismic recordings with a machine learning approach to document 20 yr of landslide activity in Alaska. Geophysical Journal International, 2019, 219, 1138-1147.	2.4	30
6	Towards a standard typology of endogenous landslide seismic sources. Earth Surface Dynamics, 2018, 6, 1059-1088.	2.4	35
7	On the Link Between External Forcings and Slope Instabilities in the Piton de la Fournaise Summit Crater, Reunion Island. Journal of Geophysical Research F: Earth Surface, 2018, 123, 2422-2442.	2.8	23
8	Spatio-temporal evolution of rockfall activity from 2007 to 2011 at the Piton de la Fournaise volcano inferred from seismic data. Journal of Volcanology and Geothermal Research, 2017, 333-334, 36-52.	2.1	27
9	The relationship between bulk–mass momentum and short–period seismic radiation in catastrophic landslides. Journal of Geophysical Research F: Earth Surface, 2017, 122, 1201-1215.	2.8	39
10	Automatic identification of rockfalls and volcano-tectonic earthquakes at the Piton de la Fournaise volcano using a Random Forest algorithm. Journal of Volcanology and Geothermal Research, 2017, 340, 130-142.	2.1	61
11	Automatic classification of endogenous landslide seismicity using the Random Forest supervised classifier. Geophysical Research Letters, 2017, 44, 113-120.	4.0	104
12	Implementation of a Multistation Approach for Automated Event Classification at Piton de la Fournaise Volcano. Seismological Research Letters, 2017, 88, 878-891.	1.9	49
13	Single-block rockfall dynamics inferred from seismic signal analysis. Earth Surface Dynamics, 2017, 5, 283-292.	2.4	47
14	Friction weakening in granular flows deduced from seismic records at the Soufrière Hills Volcano, Montserrat. Journal of Geophysical Research: Solid Earth, 2015, 120, 7536-7557.	3.4	59
15	Characterization of rockfalls from seismic signal: Insights from laboratory experiments. Journal of Geophysical Research: Solid Earth, 2015, 120, 7102-7137.	3.4	41
16	Dynamics of the Oso-Steelhead landslide from broadband seismic analysis. Natural Hazards and Earth System Sciences, 2015, 15, 1265-1273.	3.6	45
17	An Automatic Kurtosis-Based P- and S-Phase Picker Designed for Local Seismic Networks. Bulletin of the Seismological Society of America, 2014, 104, 394-409.	2.3	171
18	Dynamics of the Bingham Canyon Mine landslides from seismic signal analysis. Geophysical Research Letters, 2014, 41, 4535-4541.	4.0	75

#	Article	IF	Citations
19	Automated identification, location, and volume estimation of rockfalls at Piton de la Fournaise volcano. Journal of Geophysical Research F: Earth Surface, 2014, 119, 1082-1105.	2.8	94
20	Characterizing landslides through geophysical data fusion: Example of the La Valette landslide (France). Engineering Geology, 2012, 128, 23-29.	6.3	67
21	Slope instabilities in Dolomieu crater, Réunion Island: From seismic signals to rockfall characteristics. Journal of Geophysical Research, 2011, 116, .	3.3	137