

Michel Jaboyedoff

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

191
papers

5,809
citations

39
h-index

69
g-index

263
ext. papers

6,951
ext. citations

4.1
avg, IF

5.93
L-index

#	Paper	IF	Citations
191	Evaluation of InfraRed Thermography Supported by UAV and Field Surveys for Rock Mass Characterization in Complex Settings. <i>Geosciences (Switzerland)</i> , 2022 , 12, 116	2.7	2
190	A data-integration approach to correct sampling bias in species distribution models using multiple datasets of breeding birds in the Swiss Alps. <i>Ecological Informatics</i> , 2021 , 69, 101501	4.2	0
189	Introducing Uncertainty in Risk Calculation along Roads Using a Simple Stochastic Approach. <i>Geosciences (Switzerland)</i> , 2021 , 11, 143	2.7	
188	An efficient two-layer landslide-tsunami numerical model: effects of momentum transfer validated with physical experiments of waves generated by granular landslides. <i>Natural Hazards and Earth System Sciences</i> , 2021 , 21, 1229-1245	3.9	1
187	Impact-Detection Algorithm That Uses Point Clouds as Topographic Inputs for 3D Rockfall Simulations. <i>Geosciences (Switzerland)</i> , 2021 , 11, 188	2.7	1
186	Definitions and Concepts for Quantitative Rockfall Hazard and Risk Analysis. <i>Geosciences (Switzerland)</i> , 2021 , 11, 158	2.7	2
185	Modeling current and future species distribution of breeding birds as regional essential biodiversity variables (SD EBVs): A bird perspective in Swiss Alps. <i>Global Ecology and Conservation</i> , 2021 , 27, e01596	2.8	3
184	Remote thermal detection of exfoliation sheet deformation. <i>Landslides</i> , 2021 , 18, 865-879	6.6	5
183	Airblasts caused by large slope collapses. <i>Bulletin of the Geological Society of America</i> , 2021 , 133, 939-948	9	1
182	MATLAB Virtual Toolbox for Retrospective Rockfall Source Detection and Volume Estimation Using 3D Point Clouds: A Case Study of a Subalpine Molasse Cliff. <i>Geosciences (Switzerland)</i> , 2021 , 11, 75	2.7	3
181	An explicit GPU-based material point method solver for elastoplastic problems (ep2-3De v1.0). <i>Geoscientific Model Development</i> , 2021 , 14, 7749-7774	6.3	0
180	QDC-2D: A Semi-Automatic Tool for 2D Analysis of Discontinuities for Rock Mass Characterization. <i>Remote Sensing</i> , 2021 , 13, 5086	5	
179	Comparison of Remote Sensing Techniques for Geostructural Analysis and Cliff Monitoring in Coastal Areas of High Tourist Attraction: The Case Study of Polignano a Mare (Southern Italy). <i>Remote Sensing</i> , 2021 , 13, 5045	5	4
178	Back calculation of the 2017 Piz Cengalo-Bondo landslide cascade with r.avaflow: what we can do and what we can learn. <i>Natural Hazards and Earth System Sciences</i> , 2020 , 20, 505-520	3.9	43
177	Quantifying 40 years of rockfall activity in Yosemite Valley with historical Structure-from-Motion photogrammetry and terrestrial laser scanning. <i>Geomorphology</i> , 2020 , 356, 107069	4.3	16
176	A general analytical model for superelevation in landslide. <i>Landslides</i> , 2020 , 17, 1377-1392	6.6	7
175	Toward community predictions: Multi-scale modelling of mountain breeding birds' habitat suitability, landscape preferences, and environmental drivers. <i>Ecology and Evolution</i> , 2020 , 10, 5544-5557	7.8	7

174	Landslide analysis using laser scanners. <i>Developments in Earth Surface Processes</i> , 2020 , 23, 207-230	2.8	5
173	A fast and efficient MATLAB-based MPM solver: fMPMM-solver v1.1. <i>Geoscientific Model Development</i> , 2020 , 13, 6265-6284	6.3	2
172	A review of methods used to estimate initial landslide failure surface depths and volumes. <i>Engineering Geology</i> , 2020 , 267, 105478	6	31
171	A method to assess the probability of thickness and volume estimates of small and shallow initial landslide ruptures based on surface area. <i>Landslides</i> , 2020 , 17, 975-982	6.6	7
170	The three-stage rock failure dynamics of the Drus (Mont Blanc massif, France) since the June 2005 large event. <i>Scientific Reports</i> , 2020 , 10, 17330	4.9	1
169	Cratering response during droplet impacts on granular beds. <i>European Physical Journal E</i> , 2019 , 42, 111	1.5	5
168	Back-calculation of the 2017 Piz Cengalo-Bondo landslide cascade with r.avaflow 2019 ,		1
167	Detection of rock bridges by infrared thermal imaging and modeling. <i>Scientific Reports</i> , 2019 , 9, 13138	4.9	28
166	Testing a failure surface prediction and deposit reconstruction method for a landslide cluster that occurred during Typhoon Talas (Japan). <i>Earth Surface Dynamics</i> , 2019 , 7, 439-458	3.8	8
165	Predicting soil depth to bedrock in an anthropogenic landscape: a case study of Phewa Watershed in Panchase region of Central-Western Hills, Nepal 2019 , 55, 173-182		2
164	Assessment of the Potential Pollution of the Abidjan Unconfined Aquifer by Hydrocarbons. <i>Geosciences (Switzerland)</i> , 2019 , 9, 60	2.7	2
163	Optimizing Wireless Sensor Network Installations by Visibility Analysis on 3D Point Clouds. <i>ISPRS International Journal of Geo-Information</i> , 2019 , 8, 460	2.9	2
162	Passive radio-frequency identification ranging, a dense and weather-robust technique for landslide displacement monitoring. <i>Engineering Geology</i> , 2019 , 250, 1-10	6	11
161	Land use changes, landslides and roads in the Phewa Watershed, Western Nepal from 1979 to 2016. <i>Applied Geography</i> , 2018 , 94, 30-40	4.4	14
160	Rheological properties of clayey soils originating from flow-like landslides. <i>Landslides</i> , 2018 , 15, 1615-1630	6	26
159	Using genetic algorithms to optimize the analogue method for precipitation prediction in the Swiss Alps. <i>Journal of Hydrology</i> , 2018 , 556, 1220-1231	6	20
158	Development of Monsoonal Rainfall Intensity-Duration-Frequency (IDF) Relationship and Empirical Model for Data-Scarce Situations: The Case of the Central-Western Hills (Panchase Region) of Nepal. <i>Hydrology</i> , 2018 , 5, 27	2.8	7
157	Recent evolution of an ice-cored moraine at the Gentianes Pass, Valais Alps, Switzerland. <i>Land Degradation and Development</i> , 2018 , 29, 3693-3708	4.4	11

156	Natural hazard events affecting transportation networks in Switzerland from 2012 to 2016. <i>Natural Hazards and Earth System Sciences</i> , 2018 , 18, 2093-2109	3.9	12
155	Quantification of casualties from potential rock-slope failures in Norway 2018 , 1537-1544		
154	A multidisciplinary approach for the investigation of a rock spreading on an urban slope. <i>Landslides</i> , 2018 , 15, 199-217	6.6	14
153	Pros and Cons of Structure for Motion Embarked on a Vehicle to Survey Slopes along Transportation Lines Using 3D Georeferenced and Coloured Point Clouds. <i>Remote Sensing</i> , 2018 , 10, 1732	5	3
152	Influence of environmental parameters on the seismic velocity changes in a clayey mudflow (Pont-Bourquin Landslide, Switzerland). <i>Engineering Geology</i> , 2018 , 245, 248-257	6	15
151	Assessing rockfall susceptibility in steep and overhanging slopes using three-dimensional analysis of failure mechanisms. <i>Landslides</i> , 2018 , 15, 859-878	6.6	28
150	The role of tectonic deformation on rock avalanche occurrence in the Pampeanas Ranges, Argentina. <i>Geomorphology</i> , 2017 , 289, 18-26	4.3	9
149	Potential rock fall source areas identification and rock fall propagation in the province of Potenza territory using an empirically distributed approach. <i>Landslides</i> , 2017 , 14, 1593-1602	6.6	14
148	Global Optimization of an Analog Method by Means of Genetic Algorithms. <i>Monthly Weather Review</i> , 2017 , 145, 1275-1294	2.4	20
147	Multi-scale debris flow vulnerability assessment and direct loss estimation of buildings in the Eastern Italian Alps. <i>Natural Hazards</i> , 2017 , 85, 929-957	3	24
146	An offline-online Web-GIS Android application for fast data acquisition of landslide hazard and risk. <i>Natural Hazards and Earth System Sciences</i> , 2017 , 17, 549-561	3.9	13
145	Automated terrestrial laser scanning with near-real-time change detection monitoring of the Sèhilienne landslide. <i>Earth Surface Dynamics</i> , 2017 , 5, 293-310	3.8	46
144	Learning risk management of geohazards in practice with free and open-source web-GIS based platform: RISKGIS 2017 ,		1
143	Low number of fixed somatic mutations in a long-lived oak tree. <i>Nature Plants</i> , 2017 , 3, 926-929	11.5	74
142	Evaporite sinkhole risk for a building portfolio. <i>Environmental Earth Sciences</i> , 2017 , 76, 1	2.9	
141	Introduction: Exploring Linkages Between Disaster Risk Reduction, Climate Change Adaptation, Migration and Sustainable Development 2017 , 1-11		4
140	Impacts of Outmigration on Land Management in a Nepali Mountain Area 2017 , 177-194		7
139	Evidence of rock slope breathing using ground-based InSAR. <i>Geomorphology</i> , 2017 , 289, 152-169	4.3	18

138	Using street view imagery for 3-D survey of rock slope failures. <i>Natural Hazards and Earth System Sciences</i> , 2017 , 17, 2093-2107	3.9	6
137	The analogue method for precipitation prediction: finding better analogue situations at a sub-daily time step. <i>Hydrology and Earth System Sciences</i> , 2017 , 21, 3307-3323	5.5	9
136	Brief communication: 3-D reconstruction of a collapsed rock pillar from Web-retrieved images and terrestrial lidar data of the 2005 event of the west face of the Drus (Mont Blanc massif). <i>Natural Hazards and Earth System Sciences</i> , 2017 , 17, 1207-1220	3.9	10
135	Conclusions: Linking Sustainable Development, Disaster Risk Reduction, Climate Change Adaptation, and Migration Policy Implications and Outlook 2017 , 267-275		
134	Large slope deformations detection and monitoring along shores of the Potrerillos dam reservoir, Argentina, based on a small-baseline InSAR approach. <i>Landslides</i> , 2016 , 13, 451-465	6.6	19
133	SHIA_Landslide: a distributed conceptual and physically based model to forecast the temporal and spatial occurrence of shallow landslides triggered by rainfall in tropical and mountainous basins. <i>Landslides</i> , 2016 , 13, 497-517	6.6	29
132	Characterisation and spatial distribution of gravitational slope deformation in the Upper Rhone catchment (Western Swiss Alps). <i>Landslides</i> , 2016 , 13, 259-277	6.6	28
131	The anatomy of an active slide: the Gascons rockslide, Québec, Canada. <i>Landslides</i> , 2016 , 13, 241-258	6.6	5
130	Brief communication: On direct impact probability of landslides on vehicles. <i>Natural Hazards and Earth System Sciences</i> , 2016 , 16, 995-1004	3.9	7
129	Quantification of casualties from potential rock-slope failures in Norway 2016 , 1537-1544		4
128	Rural earthen roads impact assessment in Phewa watershed, Western region, Nepal. <i>Geoenvironmental Disasters</i> , 2016 , 3,	3.6	8
127	Evaluation of an open-source collaborative web-GIS prototype in risk management with students. <i>Spatial Information Research</i> , 2016 , 24, 169-179	1.6	
126	Prototype of an open-source web-GIS platform for rapid disaster impact assessment. <i>Spatial Information Research</i> , 2016 , 24, 203-210	1.6	5
125	Use of targets to track 3D displacements in highly vegetated areas affected by landslides. <i>Landslides</i> , 2016 , 13, 821-831	6.6	10
124	Correction of terrestrial LiDAR intensity channel using OreNayar reflectance model: An application to lithological differentiation. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2016 , 113, 17-29	11.8	41
123	A collaborative (web-GIS) framework based on empirical data collected from three case studies in Europe for risk management of hydro-meteorological hazards. <i>International Journal of Disaster Risk Reduction</i> , 2016 , 15, 10-23	4.5	18
122	3-D models and structural analysis of rock avalanches: the study of the deformation process to better understand the propagation mechanism. <i>Earth Surface Dynamics</i> , 2016 , 4, 743-755	3.8	15
121	An Offline-Online WebGIS Android Application for Fast Data Acquisition of Landslide Hazard and Risk 2016 ,		3

120	Detection of seasonal cycles of erosion processes in a black marl gully from a time series of high-resolution digital elevation models (DEMs). <i>Earth Surface Dynamics</i> , 2016 , 4, 781-798	3.8	13
119	Influence of meteorological factors on rockfall occurrence in a middle mountain limestone cliff. <i>Natural Hazards and Earth System Sciences</i> , 2016 , 16, 719-735	3.9	54
118	An interactive web-GIS tool for risk analysis: a case study in the Fella River basin, Italy. <i>Natural Hazards and Earth System Sciences</i> , 2016 , 16, 85-101	3.9	15
117	Headwater sediment dynamics in a debris flow catchment constrained by high-resolution topographic surveys. <i>Earth Surface Dynamics</i> , 2016 , 4, 489-513	3.8	18
116	Human-Induced Landslides: Toward the analysis of anthropogenic changes of the slope environment 2016 , 217-232		15
115	Opportunities, incentives and challenges to risk sensitive land use planning: Lessons from Nepal, Spain and Vietnam. <i>International Journal of Disaster Risk Reduction</i> , 2015 , 14, 205-224	4.5	27
114	Channel scour and fill by debris flows and bedload transport. <i>Geomorphology</i> , 2015 , 243, 92-105	4.3	41
113	Improved predictive mapping of indoor radon concentrations using ensemble regression trees based on automatic clustering of geological units. <i>Journal of Environmental Radioactivity</i> , 2015 , 147, 51-62	2.4	19
112	Application of Ambient Vibration Techniques for Monitoring the Triggering of Rapid Landslides 2015 , 371-374		4
111	Impacts of fracturing patterns on the rockfall susceptibility and erosion rate of stratified limestone. <i>Geomorphology</i> , 2015 , 241, 83-97	4.3	10
110	Analyses of past and present rock slope instabilities in a fjord valley: Implications for hazard estimations. <i>Geomorphology</i> , 2015 , 248, 464-474	4.3	27
109	From the source area to the deposit: Collapse, fragmentation, and propagation of the Frank Slide. <i>Bulletin of the Geological Society of America</i> , 2015 , B31243.1	3.9	13
108	The First International Workshop on Warning Criteria for Active Slides: technical issues, problems and solutions for managing early warning systems. <i>Landslides</i> , 2015 , 12, 205-212	6.6	8
107	Size Distribution for Potentially Unstable Rock Masses and In Situ Rock Blocks Using LIDAR-Generated Digital Elevation Models. <i>Rock Mechanics and Rock Engineering</i> , 2015 , 48, 1589-1604	5.7	27
106	Predictive analysis and mapping of indoor radon concentrations in a complex environment using kernel estimation: an application to Switzerland. <i>Science of the Total Environment</i> , 2015 , 505, 137-48	10.2	19
105	Geological layers detection and characterisation using high resolution 3D point clouds: example of a box-fold in the Swiss Jura Mountains. <i>European Journal of Remote Sensing</i> , 2015 , 48, 541-568	2.9	15
104	Common problems encountered in 3D mapping of geological contacts using high-resolution terrain and image data. <i>European Journal of Remote Sensing</i> , 2015 , 48, 661-672	2.9	4
103	Geological mapping and fold modeling using Terrestrial Laser Scanning point clouds: application to the Dents-du-Midi limestone massif (Switzerland). <i>European Journal of Remote Sensing</i> , 2015 , 48, 569-591	2.9	10

102	A 4D Filtering and Calibration Technique for Small-Scale Point Cloud Change Detection with a Terrestrial Laser Scanner. <i>Remote Sensing</i> , 2015 , 7, 13029-13052	5	53
101	Introduction to Vertical Geology thematic issue. <i>European Journal of Remote Sensing</i> , 2015 , 48, 479-487	2.9	1
100	Prototype of a Web-based Participative Decision Support Platform in Natural Hazards and Risk Management. <i>ISPRS International Journal of Geo-Information</i> , 2015 , 4, 1201-1224	2.9	14
99	Erosion processes in black marl soils at the millimetre scale: preliminary insights from an analogous model. <i>Hydrology and Earth System Sciences</i> , 2015 , 19, 1849-1855	5.5	3
98	Landslide detection and monitoring capability of boat-based mobile laser scanning along Dieppe coastal cliffs, Normandy. <i>Landslides</i> , 2015 , 12, 403-418	6.6	43
97	Saint-Venant Equations and Friction Law for Modelling Self-Channeling Granular Flows: From Analogue to Numerical Simulation. <i>Applied Mathematics</i> , 2015 , 06, 1161-1173	0.4	1
96	Stability Assessment, Potential Collapses and Future Evolution of the West Face of the Drus (3,754 m a.s.l., Mont Blanc Massif) 2015 , 791-795		7
95	Investigating Rock Fall Frequency and Failure Configurations Using Terrestrial Laser Scanner 2015 , 1919-1923		5
94	Slope Instability Detection Along the National 7 and the Potrerillos Dam Reservoir, Argentina, Using the Small-Baseline InSAR Technique 2015 , 295-299		2
93	Velocity Prediction on Time-Variant Landslides Using Moving Response Functions: Application to La Barmasse Rockslide (Valais, Switzerland) 2015 , 323-327		4
92	Methods to Estimate the Surfaces Geometry and Uncertainty of Landslide Failure Surface 2015 , 339-343		2
91	Automatic Rockfalls Volume Estimation Based on Terrestrial Laser Scanning Data 2015 , 425-428		12
90	Inventory of Rock Slope Deformations Affecting Folded Sedimentary Layers in Moderate Relief Context: The Case of the Livingstone Range Anticlinorium, AB, Canada 2015 , 599-604		
89	A new approach for semi-automatic rock mass joints recognition from 3D point clouds. <i>Computers and Geosciences</i> , 2014 , 68, 38-52	4.5	157
88	Machine Learning Feature Selection Methods for Landslide Susceptibility Mapping. <i>Mathematical Geosciences</i> , 2014 , 46, 33-57	2.5	148
87	Spatio-temporal analysis of rockfall pre-failure deformation using Terrestrial LiDAR. <i>Landslides</i> , 2014 , 11, 697-709	6.6	57
86	Terrestrial laser scanning of rock slope instabilities. <i>Earth Surface Processes and Landforms</i> , 2014 , 39, 80-97	3.7	193
85	Major influencing factors of indoor radon concentrations in Switzerland. <i>Journal of Environmental Radioactivity</i> , 2014 , 129, 7-22	2.4	50

84	Spatial pattern of landslides in Swiss Rhone Valley. <i>Natural Hazards</i> , 2014 , 73, 97-110	3	29
83	Methods for Debris Flow Hazard and Risk Assessment. <i>Advances in Natural and Technological Hazards Research</i> , 2014 , 133-177	1.8	4
82	An introductory review on gravitational-deformation induced structures, fabrics and modeling. <i>Tectonophysics</i> , 2013 , 605, 1-12	3.1	39
81	Operationalizing Resilience for disaster risk reduction in mountainous Nepal. <i>Disaster Prevention and Management</i> , 2013 , 22, 366-377	1.5	22
80	Structural characterization of Turtle Mountain anticline (Alberta, Canada) and impact on rock slope failure. <i>Tectonophysics</i> , 2013 , 605, 133-148	3.1	33
79	From deep seated slope deformation to rock avalanche: Destabilization and transportation models of the Sierre landslide (Switzerland). <i>Tectonophysics</i> , 2013 , 605, 149-168	3.1	30
78	7.28 Numerical Modeling of Flows and Falls 2013 , 273-283		3
77	Analyzing complex rock slope deformation at Stampa, western Norway, by integrating geomorphology, kinematics and numerical modeling. <i>Engineering Geology</i> , 2013 , 154, 116-130	6	30
76	Analysis of past and future dam formation and failure in the Santa Cruz River (San Juan province, Argentina). <i>Geomorphology</i> , 2013 , 186, 28-38	4.3	13
75	Control of landslide retrogression by discontinuities: evidence by the integration of airborne- and ground-based geophysical information. <i>Landslides</i> , 2013 , 10, 37-54	6.6	28
74	Shallow landslide's stochastic risk modelling based on the precipitation event of August 2005 in Switzerland: results and implications. <i>Natural Hazards and Earth System Sciences</i> , 2013 , 13, 3169-3184	3.9	3
73	Flow-R, a model for susceptibility mapping of debris flows and other gravitational hazards at a regional scale. <i>Natural Hazards and Earth System Sciences</i> , 2013 , 13, 869-885	3.9	111
72	Experiences from site-specific landslide early warning systems. <i>Natural Hazards and Earth System Sciences</i> , 2013 , 13, 2659-2673	3.9	71
71	Dynamic risk simulation to assess natural hazards risk along roads. <i>Natural Hazards and Earth System Sciences</i> , 2013 , 13, 2763-2777	3.9	7
70	Combining digital elevation model analysis and run-out modeling to characterize hazard posed by a potentially unstable rock slope at Turtle Mountain, Alberta, Canada. <i>Engineering Geology</i> , 2012 , 128, 76-94	6	23
69	Influence of structural heterogeneities and of large scale topography on imbricate gravitational rock slope failures: New insights from 3-D physical modeling and geomorphological analysis. <i>Tectonophysics</i> , 2012 , 526-529, 147-156	3.1	11
68	Use of LIDAR in landslide investigations: a review. <i>Natural Hazards</i> , 2012 , 61, 5-28	3	587
67	A case study of coping strategies and landslides in two villages of Central-Eastern Nepal. <i>Applied Geography</i> , 2012 , 32, 680-690	4.4	39

66	Erosion and channel change as factors of landslides and valley formation in Champlain Sea Clays: The Chacoura River, Quebec, Canada. <i>Geomorphology</i> , 2012 , 145-146, 12-18	4.3	17
65	Ambient seismic noise monitoring of a clay landslide: Toward failure prediction. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		109
64	Sediment budget monitoring of debris-flow and bedload transport in the Manival Torrent, SE France. <i>Natural Hazards and Earth System Sciences</i> , 2012 , 12, 731-749	3.9	81
63	Rockfall hazard and risk assessments along roads at a regional scale: example in Swiss Alps. <i>Natural Hazards and Earth System Sciences</i> , 2012 , 12, 615-629	3.9	88
62	Influence of bedrock structures on the spatial pattern of erosional landforms in small alpine catchments. <i>Earth Surface Processes and Landforms</i> , 2012 , 37, 1407-1423	3.7	17
61	Stability analysis of the 2007 Chehalis lake landslide based on long-range terrestrial photogrammetry and airborne LiDAR data. <i>Landslides</i> , 2012 , 9, 75-91	6.6	39
60	Chapter 7 Floods, Landslides, and Adapting to Climate Change in Nepal: What Role for Climate Change Models?. <i>Community, Environment and Disaster Risk Management</i> , 2012 , 119-140	0.2	5
59	Spatial relationship between the atmospheric circulation and the precipitation measured in the western Swiss Alps by means of the analogue method. <i>Natural Hazards and Earth System Sciences</i> , 2012 , 12, 777-784	3.9	31
58	Preliminary Slope Mass Movement Susceptibility Mapping Using DEM and LiDAR DEM 2012 , 109-170		18
57	Detailed DEM analysis of a rockslide scar to characterize the basal sliding surface of active rockslides. <i>Journal of Geophysical Research</i> , 2011 , 116,		35
56	Assessment of debris-flow susceptibility at medium-scale in the Barcelonnette Basin, France. <i>Natural Hazards and Earth System Sciences</i> , 2011 , 11, 627-641	3.9	70
55	Technical Note: Preliminary estimation of rockfall runout zones. <i>Natural Hazards and Earth System Sciences</i> , 2011 , 11, 819-828	3.9	81
54	Rockfall characterisation and structural protection $\bar{\text{a}}$ review. <i>Natural Hazards and Earth System Sciences</i> , 2011 , 11, 2617-2651	3.9	240
53	Three-dimensional slope stability analysis of South Peak, Crowsnest Pass, Alberta, Canada. <i>Landslides</i> , 2011 , 8, 139-158	6.6	48
52	The 2005 Pakistan Earthquake Revisited: Methods for Integrated Landslide Assessment. <i>Mountain Research and Development</i> , 2011 , 31, 112-121	1.4	13
51	Complex landslide behaviour and structural control: a three-dimensional conceptual model of $\bar{\text{B}}$ nes rockslide, Norway. <i>Geological Society Special Publication</i> , 2011 , 351, 147-161	1.7	18
50	Slope tectonics: a short introduction. <i>Geological Society Special Publication</i> , 2011 , 351, 1-10	1.7	17
49	Structural analysis of Turtle Mountain: origin and influence of fractures in the development of rock slope failures. <i>Geological Society Special Publication</i> , 2011 , 351, 163-183	1.7	20

48	Little Ice Age advance and retreat sediment budgets for an outlet glacier in western Norway. <i>Boreas</i> , 2010 , 39, 551	2.4	12
47	Preface "LIDAR and DEM techniques for landslides monitoring and characterization"; <i>Natural Hazards and Earth System Sciences</i> , 2010 , 10, 1877-1879	3.9	51
46	Brief communication "Report on the impact of the 27 February 2010 earthquake (Chile, <i>M</i> 8.8) on rockfalls in the Las Cuevas valley, Argentina"; <i>Natural Hazards and Earth System Sciences</i> , 2010 , 10, 1989-1993	3.9	16
45	Debris flow hazard modelling on medium scale: Valtellina di Tirano, Italy. <i>Natural Hazards and Earth System Sciences</i> , 2010 , 10, 2379-2390	3.9	50
44	Technical Note: Implementation of a geodatabase of published and unpublished data on the catastrophic Vaiont landslide. <i>Natural Hazards and Earth System Sciences</i> , 2010 , 10, 865-873	3.9	19
43	Mass movement characterization using a reflexion and refraction seismic survey with the sloping local base level concept. <i>Geomorphology</i> , 2010 , 116, 1-10	4.3	15
42	Laser scanning-based recognition of rotational movements on a deep seated gravitational instability: The Cinque Torri case (North-Eastern Italian Alps). <i>Geomorphology</i> , 2010 , 122, 191-204	4.3	63
41	Reply to the discussion by Olsen and Stuedlein on "Use of terrestrial laser scanning for the characterization of retrogressive landslides in sensitive clay and rotational landslides in river banks" Appears in <i>Canadian Geotechnical Journal</i> , 47(10): 1164-1168.. <i>Canadian Geotechnical Journal</i> , 2010 , 47, 1169-1173	3.2	
40	Identification of potential rockfall source areas at a regional scale using a DEM-based geomorphometric analysis. <i>Natural Hazards and Earth System Sciences</i> , 2009 , 9, 1643-1653	3.9	72
39	Quantifying sediment storage in a high alpine valley (Turtmanntal, Switzerland). <i>Earth Surface Processes and Landforms</i> , 2009 , 34, 1726-1742	3.7	86
38	25 years of movement monitoring on South Peak, Turtle Mountain: understanding the hazard. <i>Canadian Geotechnical Journal</i> , 2009 , 46, 256-269	3.2	23
37	Structural analysis of Turtle Mountain (Alberta) using digital elevation model: Toward a progressive failure. <i>Geomorphology</i> , 2009 , 103, 5-16	4.3	111
36	Use of terrestrial laser scanning for the characterization of retrogressive landslides in sensitive clay and rotational landslides in river banks. <i>Canadian Geotechnical Journal</i> , 2009 , 46, 1379-1390	3.2	46
35	Detection of millimetric deformation using a terrestrial laser scanner: experiment and application to a rockfall event. <i>Natural Hazards and Earth System Sciences</i> , 2009 , 9, 365-372	3.9	236
34	Characterization and monitoring of the "Les rockslide using terrestrial laser scanning. <i>Natural Hazards and Earth System Sciences</i> , 2009 , 9, 1003-1019	3.9	167
33	Collapse at the eastern Eiger flank in the Swiss Alps. <i>Nature Geoscience</i> , 2008 , 1, 531-535	18.3	154
32	Debris flows as a factor of hillslope evolution controlled by a continuous or a pulse process?. <i>Geological Society Special Publication</i> , 2008 , 296, 63-78	1.7	12
31	Regional deterministic characterization of fracture networks and its application to GIS-based rock fall risk assessment. <i>Engineering Geology</i> , 2007 , 94, 201-214	6	14

30	Ground-based and airborne LiDAR for structural mapping of the Frank Slide 2007 , 925-932		4
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