Ivo BaroÅˆ

List of Publications by Year
in descending order

32	778	567281 15	501196 28
papers	citations	h-index	g-index

35	35	35	644
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Slope movements in the Flysch Carpathians of Eastern Czech Republic triggered by extreme rainfalls in 1997: a case study. Physics and Chemistry of the Earth, 2002, 27, 1567-1576.	2.9	83
2	Application of infrared thermography for mapping open fractures in deep-seated rockslides and unstable cliffs. Landslides, 2014, 11, 15-27.	5.4	83
3	Geoelectrical monitoring: an innovative method to supplement landslide surveillance and early warning. Near Surface Geophysics, 2014, 12, 133-150.	1.2	68
4	Structure and dynamics of deep-seated slope failures in the Magura Flysch Nappe, outer Western Carpathians (Czech Republic). Natural Hazards and Earth System Sciences, 2004, 4, 549-562.	3.6	63
5	Holocene reactivations of catastrophic complex flow-like landslides in the Flysch Carpathians (Czech) Tj ETQq1 1 0.784314 rgBT /Ove	1.7	60
6	Investigation of recent catastrophic landslides in the flysch belt of Outer Western Carpathians (Czech Republic): progress towards better hazard assessment. Natural Hazards and Earth System Sciences, 2009, 9, 119-128.	3.6	51
7	An introductory review on gravitational-deformation induced structures, fabrics and modeling. Tectonophysics, 2013, 605, 1-12.	2.2	48
8	Application and reliability of techniques for landslide site investigation, monitoring and early warning â€“ outcomes from a questionnaire study. Natural Hazards and Earth System Sciences, 2013, 13, 3157-3168.	3.6	32
9	Paleostress analysis of a gigantic gravitational mass movement in active tectonic setting: The Qoshadagh slope failure, Ahar, NW Iran. Tectonophysics, 2013, 605, 70-87.	2.2	26
10	Numerical analysis of deep-seated mass movements in the Magura Nappe; Flysch Belt of the Western Carpathians (Czech Republic). Natural Hazards and Earth System Sciences, 2005, 5, 367-374.	3.6	25
11	Present-day kinematic behaviour of active faults in the Eastern Alps. Tectonophysics, 2019, 752, 1-23.	2.2	23
12	Report on a recent deep-seated landslide at GÃrovÃ¡ Mt., Czech Republic, triggered by a heavy rainfall: The GÃrovÃ¡ Mt., Outer West Carpathians; Czech Republic. Landslides, 2011, 8, 355-361.	5.4	22
13	Remote Sensing for Characterisation and Kinematic Analysis of Large Slope Failures: Debre Sina Landslide, Main Ethiopian Rift Escarpment. Remote Sensing, 2015, 7, 16183-16203.	4.0	20
14	Can deep seated gravitational slope deformations be activated by regional tectonic strain: First insights from displacement measurements in caves from the Eastern Alps. Geomorphology, 2016, 259, 81-89.	2.6	20
15	Volcanic edifice slip events recorded on the fault plane of the San AndrÃ©s Landslide, El Hierro, Canary Islands. Tectonophysics, 2020, 776, 228317.	2.2	16
16	Airborne geophysical mapping as an innovative methodology for landslide investigation: evaluation of results from the Gschliefgraben landslide, Austria. Natural Hazards and Earth System Sciences, 2013, 13, 3313-3328.	3.6	15
17	The Somoto Grand Canyon (Nicaragua)â€”a Volcanic Geoheritage Site One Decade After Discovery: from Field Geological Mapping to the Promotion of a Geopark. Geoheritage, 2017, 9, 299-309.	2.8	15
18	Last Glacial to Holocene vegetation succession recorded in polyphase slope-failure deposits on the MalenÃk Ridge, Outer Western Carpathians. Quaternary International, 2018, 470, 38-52.	1.5	15

#	Article	IF	Citations
19	Large landslide stress states calculated during extreme climatic and tectonic events on El Hierro, Canary Islands. Landslides, 2018, 15, 1801-1814.	5.4	15
20	Gravitational and tectonic stress states within a deep-seated gravitational slope deformation near the seismogenic Periadriatic Line fault. Engineering Geology, 2019, 261, 105284.	6.3	13
21	Airborne geophysical survey of the catastrophic landslide at StoÅ¾e, Log pod Mangrtom, as a test of an innovative approach for landslide mapping in steep alpine terrains. Natural Hazards and Earth System Sciences, 2013, 13, 2543-2550.	3.6	11
22	Present-day stress inversion from a single near-surface fault: A novel mathematical approach. Journal of Structural Geology, 2018, 117, 163-167.	2.3	9
23	A contactless positioning system for monitoring discontinuities in three dimensions with geological and geotechnical applications. Review of Scientific Instruments, 2017, 88, 074501.	1.3	8
24	Monitoring Giant Landslide Detachment Planes in the Era of Big Data Analytics. , 2017, , 333-340.		7
25	Three large prehistoric earthquakes in the Eastern Alps evidenced by cave rupture and speleothem damage. Geomorphology, 2022, 408, 108242.	2.6	7
26	Stress field reconstruction in an active mudslide. Geomorphology, 2017, 289, 170-178.	2.6	6
27	Co-seismic deformation of the 2017 Mw 6.6 Bodrumâ€“Kos earthquake in speleothems of Korakia Cave (Pserimos, Dodecanese, Greece). Geomorphology, 2022, 402, 108137.	2.6	6
28	Effect of slope failures on river-network pattern: A river piracy case study from the flysch belt of the Outer Western Carpathians. Geomorphology, 2014, 214, 356-365.	2.6	4
29	Palaeostress analysis of a giant Holocene rockslide near Boaco and Santa Lucia (Nicaragua, Central) Tj ETQq1 1 0.784314 rgBT /Overl	1.3	3
30	Corrigendum to â€œHolocene reactivations of catastrophic complex flow-like landslides in the Flysch Carpathians (Czech Republic/Slovakia)â€•[Quat. Res. 80 (2013) 33â€“46]. Quaternary Research, 2014, 81, 179-179.	1.7	2
31	Field Measurement of Natural Electromagnetic Emissions near the Active Tectonic and Mass-Movement Fractures in Caves. Solid State Phenomena, 0, 258, 460-464.	0.3	1
32	Is hydrotectonics influencing the thermal spring in EisensteinhÃ¶hle (Bad Fischau, Lower Austria)?. Austrian Journal of Earth Sciences, 2019, 112, 166-181.	0.5	0