Marta Chiarle

List of Publications by Year
in descending order

28	867	516561 16	580701 25
papers	citations	h-index	g-index

38	38	38	1011
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Recent debris flow occurrences associated with glaciers in the Alps. Global and Planetary Change, 2007, 56, 123-136.	1.6	166
2	Microseismic activity analysis for the study of the rupture mechanisms in unstable rock masses. Natural Hazards and Earth System Sciences, 2010, 10, 831-841.	1.5	82
3	Geochemistry of the formation waters in the Po plain (Northern Italy): an overview.. Applied Geochemistry, 2000, 15, 51-65.	1.4	77
4	A surge-type movement at Ghiacciaio del Belvedere and a developing slope instability in the east face of Monte Rosa, Macugnaga, Italian Alps. Norsk Geografisk Tidsskrift, 2002, 56, 104-111.	0.3	60
5	Climate change impacts on mountain glaciers and permafrost. Global and Planetary Change, 2007, 56, vii-ix.	1.6	54
6	Modelling rock avalanches and their relation to permafrost degradation in glacial environments. Permafrost and Periglacial Processes, 2002, 13, 283-288.	1.5	53
7	Climate anomalies associated with the occurrence of rockfalls at high-elevation in the Italian Alps. Natural Hazards and Earth System Sciences, 2016, 16, 2085-2106.	1.5	40
8	New insights in the relation between climate and slope failures at high-elevation sites. Theoretical and Applied Climatology, 2019, 137, 1765-1784.	1.3	37
9	The altitudinal temperature lapse rates applied to high elevation rockfalls studies in the Western European Alps. Theoretical and Applied Climatology, 2018, 131, 1479-1491.	1.3	35
10	A digital photogrammetric method for measuring horizontal surficial movements on the Slumgullion earthflow, Hinsdale County, Colorado. Computers and Geosciences, 1996, 22, 651-663.	2.0	34
11	Relations between climate change and mass movement: Perspectives from the Canadian Cordillera and the European Alps. Global and Planetary Change, 2021, 202, 103499.	1.6	29
12	Analysis of microseismic signals and temperature recordings for rock slope stability investigations in high mountain areas. Natural Hazards and Earth System Sciences, 2012, 12, 2283-2298.	1.5	25
13	A method to reveal climatic variables triggering slope failures at high elevation. Natural Hazards, 2015, 76, 1039-1061.	1.6	23
14	Little Ice Age and contemporary glacier extent in the Western and South-Western Piedmont Alps (North-Western Italy). Journal of Maps, 2014, 10, 409-423.	1.0	22
15	An integrated approach to investigate climate-driven rockfall occurrence in high alpine slopes: the Bessanese glacial basin, Western Italian Alps. Journal of Mountain Science, 2020, 17, 2591-2610.	0.8	20
16	Climate variability and Alpine glaciers evolution in Northwestern Italy from the Little Ice Age to the 2010s. Theoretical and Applied Climatology, 2015, 122, 595-608.	1.3	19
17	A web-based, relational database for studying glaciers in the Italian Alps. Computers and Geosciences, 2013, 51, 101-107.	2.0	10
18	Monitoring Rock Wall Temperatures and Microseismic Activity for Slope Stability Investigation at J.A. Carrel Hut, Matterhorn. , 2015, , 305-309.		10

#	Article	IF	Citations
19	A model for estimating flood damage in Italy: preliminary results. WIT Transactions on Ecology and the Environment, 2006, , .	0.0	9
20	Dynamic taxonomies applied to a web-based relational database for geo-hydrological risk mitigation. Computers and Geosciences, 2012, 39, 182-187.	2.0	8
21	Rock temperature variability in high-altitude rockfall-prone areas. Journal of Mountain Science, 2022, 19, 798-811.	0.8	8
22	ADSORPTION OF ORGANIC MOLECULES ONTO MONTMORILLONITE: CATIONIC SURFACTANTS WITH DIFFERENT POLAR HEAD GROUP.. Journal of Dispersion Science and Technology, 1993, 14, 255-268.	1.3	7
23	Little Ice Age glacial systems and related natural instability processes in the Orco Valley (North-Western Italy). Journal of Maps, 2019, 15, 142-152.	1.0	7
24	Evolution of temperature indices in the periglacial environment of the European Alps in the period 1990â€“2019. Journal of Mountain Science, 2021, 18, 2842-2853.	0.8	6
25	The Glaciers of the Valle dâ€™Aosta and Piemonte Regions: Records of Present and Past Environmental and Climate Changes. World Geomorphological Landscapes, 2017, , 77-88.	0.1	4
26	Slope Instabilities in High-Mountain Rock Walls. Recent Events on the Monte Rosa East Face (Macugnaga, NW Italy). , 2013, , 327-332.		3
27	Interactive, 3D Simulation of Natural Instability Processes for Civil Protection Purposes. , 2014, , 125-130.		2
28	Debris Flow on a Seasonally Frozen Rupture Surface at Moose Lake, British Columbia. Environmental Science and Engineering, 2014, , 263-270.	0.1	1