Jan-Christoph Otto

List of Publications by Year
in descending order

33	990	471061 17	476904 29
papers	citations	h-index	g-index

49	49	49	1214
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Glacial geomorphological mapping: A review of approaches and frameworks for best practice. Earth-Science Reviews, 2018, 185, 806-846.	4.0	157
2	Quantifying sediment storage in a high alpine valley (Turtmanntal, Switzerland). Earth Surface Processes and Landforms, 2009, 34, 1726-1742.	1.2	98
3	Comparing geophysical methods for talus slope investigations in the Turtmann valley (Swiss Alps). Geomorphology, 2006, 76, 257-272.	1.1	87
4	Geomorphologic system analysis of a high mountain valley in the Swiss Alps. Zeitschrift FÃ¼r Geomorphologie, 2004, 48, 323-342.	0.3	55
5	Glacial lakes in Austria - Distribution and formation since the Little Ice Age. Global and Planetary Change, 2018, 164, 39-51.	1.6	51
6	Regional-scale controls on the spatial activity of rockfalls (Turtmann Valley, Swiss Alps) â€" A multivariate modeling approach. Geomorphology, 2017, 287, 29-45.	1.1	50
7	Quantifying the mass transfer from mountain ranges to deposition in sedimentary basins: Source to sink studies in the Danube Basinâ€"Black Sea system. Global and Planetary Change, 2013, 103, 1-18.	1.6	49
8	Sediment discharge from the proglacial zone of a retreating Alpine glacier. Zeitschrift FÃ¼r Geomorphologie, 2013, 57, 29-53.	0.3	43
9	Current glacier recession causes significant rockfall increase: the immediate paraglacial response of deglaciating cirque walls. Earth Surface Dynamics, 2020, 8, 729-751.	1.0	41
10	Multi-scale curvature for automated identification of glaciated mountain landscapes. Geomorphology, 2014, 209, 53-65.	1.1	32
11	Divergent assembly processes? A comparison of the plant and soil microbiome with plant communities in a glacier forefield. FEMS Microbiology Ecology, 2021, 97, .	1.3	32
12	Detection of mountain permafrost by combining high resolution surface and subsurface information â€" an example from the glatzbach catchment, austrian alps. Geografiska Annaler, Series A: Physical Geography, 2012, 94, 43-57.	0.6	29
13	Proglacial Lakes in High Mountain Environments. Geography of the Physical Environment, 2019, , 231-247.	0.2	27
14	Deepening of inner gorges through subglacial meltwater â€" An example from the UNESCO Entlebuch area, Switzerland. Geomorphology, 2012, 139-140, 506-517.	1.1	24
15	An Undercooled Scree Slope Detected by Geophysical Investigations in Sporadic Permafrost below 1000â€‰M ASL, Central Austria. Permafrost and Periglacial Processes, 2014, 25, 194-207.	1.5	24
16	Cartography. Developments in Earth Surface Processes, 2011, , 253-295.	2.8	20
17	Calibrated Ice Thickness Estimate for All Glaciers in Austria. Frontiers in Earth Science, 2019, 7, .	0.8	20
18	Ã–denwinkel: an Alpine platform for observational and experimental research on the emergence of multidiversity and ecosystem complexity. Web Ecology, 2020, 20, 95-106.	0.4	19

#	Article	IF	Citations
19	A 6-year lidar survey reveals enhanced rockwall retreat and modified rockfall magnitudes/frequencies in deglaciating cirques. Earth Surface Dynamics, 2020, 8, 753-768.	1.0	18
20	Evolution of debris cover on glaciers of the Eastern Alps, Austria, between 1996 and 2015. Earth Surface Processes and Landforms, 2021, 46, 1673-1691.	1.2	15
21	HRSC-A data: a new high-resolution data set with multipurpose applications in physical geography. Progress in Physical Geography, 2007, 31, 179-197.	1.4	14
22	Linking rock weathering, rockwall instability and rockfall supply on talus slopes in glaciated hanging valleys (Swiss Alps). Permafrost and Periglacial Processes, 2018, 29, 135-151.	1.5	13
23	Quantification of biogeomorphic interactions between smallâ€scale sediment transport and primary vegetation succession on proglacial slopes of the Gepatschferner, Austria. Earth Surface Processes and Landforms, 2021, 46, 1941-1952.	1.2	13
24	GIS Applications in Geomorphology. , 2018, , 81-111.		12
25	Spatial distribution of sediment storage types in two glacier landsystems (Pasterze &) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 5	1.0	11
26	Sedimentary fluxes and budgets in changing cold environments: the global iag/aig sediment budgets in cold environments (sedibud) programme. Geografiska Annaler, Series A: Physical Geography, 2010, 92, 151-153.	0.6	8
27	Preface: concepts and implications of environmental change and human impact: studies from austrian geomorphological research. Geografiska Annaler, Series A: Physical Geography, 2012, 94, 1-5.	0.6	7
28	Testing the performance of ice thickness models to estimate the formation of potential future glacial lakes in Austria. Earth Surface Processes and Landforms, 0, , .	1.2	5
29	The global Sediment Budgets in Cold Environments (SEDIBUD) Programme: Coordinated studies of sedimentary fluxes and budgets in changing cold environments. Zeitschrift FÃ¼r Geomorphologie, 2012, 56, 3-8.	0.3	3
30	Glaciated valleys in Europe and western Asia. Journal of Maps, 2015, 11, 361-370.	1.0	3
31	Micro-weathering of limestone surfaces in a foreland of HallstÃtter Glacier (Dachstein, Austria). Geografiska Annaler, Series A: Physical Geography, 2019, 101, 277-292.	0.6	3
32	Geovisualization. , 2021, , .		0
33	Manipulation of phyllosphere bacterial communities reversibly alters the plant microbiome and leaf traits in the field. Alpine Botany, 0, , 1.	1.1	0