

# Jan-Christoph Otto

## List of Publications by Year in descending order

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Version: 2024-02-01

33  
papers

990  
citations

471371

17  
h-index

477173

29  
g-index

49  
all docs

49  
docs citations

49  
times ranked

1214  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Quantification of biogeomorphic interactions between small-scale sediment transport and primary vegetation succession on proglacial slopes of the Gepatschferner, Austria. <i>Earth Surface Processes and Landforms</i> , 2021, 46, 1941-1952. | 1.2 | 13        |
| 2  | Divergent assembly processes? A comparison of the plant and soil microbiome with plant communities in a glacier forefield. <i>FEMS Microbiology Ecology</i> , 2021, 97, .  | 1.3 | 32        |
| 3  | Evolution of debris cover on glaciers of the Eastern Alps, Austria, between 1996 and 2015. <i>Earth Surface Processes and Landforms</i> , 2021, 46, 1673-1691.   | 1.2 | 15        |
| 4  | Geovisualization. , 2021, , .  |     | 0         |
| 5  | Current glacier recession causes significant rockfall increase: the immediate paraglacial response of deglaciating cirque walls. <i>Earth Surface Dynamics</i> , 2020, 8, 729-751.   | 1.0 | 41        |
| 6  | A 6-year lidar survey reveals enhanced rockwall retreat and modified rockfall magnitudes/frequencies in deglaciating cirques. <i>Earth Surface Dynamics</i> , 2020, 8, 753-768.  | 1.0 | 18        |
| 7  | Ä–denwinkel: an Alpine platform for observational and experimental research on the emergence of multidiversity and ecosystem complexity. <i>Web Ecology</i> , 2020, 20, 95-106.  | 0.4 | 19        |
| 8  | Micro-weathering of limestone surfaces in a foreland of Hallstätter Glacier (Dachstein, Austria). <i>Geografiska Annaler, Series A: Physical Geography</i> , 2019, 101, 277-292.   | 0.6 | 3         |
| 9  | Calibrated Ice Thickness Estimate for All Glaciers in Austria. <i>Frontiers in Earth Science</i> , 2019, 7, .  | 0.8 | 20        |
| 10 | Proglacial Lakes in High Mountain Environments. <i>Geography of the Physical Environment</i> , 2019, , 231-247.  | 0.2 | 27        |
| 11 | Glacial lakes in Austria - Distribution and formation since the Little Ice Age. <i>Global and Planetary Change</i> , 2018, 164, 39-51.   | 1.6 | 51        |
| 12 | Glacial geomorphological mapping: A review of approaches and frameworks for best practice. <i>Earth-Science Reviews</i> , 2018, 185, 806-846.  | 4.0 | 157       |
| 13 | GIS Applications in Geomorphology. , 2018, , 81-111.   |     | 12        |
| 14 | Linking rock weathering, rockwall instability and rockfall supply on talus slopes in glaciated hanging valleys (Swiss Alps). <i>Permafrost and Periglacial Processes</i> , 2018, 29, 135-151.  | 1.5 | 13        |
| 15 | Regional-scale controls on the spatial activity of rockfalls (Turtmann Valley, Swiss Alps) – A multivariate modeling approach. <i>Geomorphology</i> , 2017, 287, 29-45.  | 1.1 | 50        |
| 16 | Glaciated valleys in Europe and western Asia. <i>Journal of Maps</i> , 2015, 11, 361-370.  | 1.0 | 3         |
| 17 | An Undercooled Scree Slope Detected by Geophysical Investigations in Sporadic Permafrost below 1000‰M ASL, Central Austria. <i>Permafrost and Periglacial Processes</i> , 2014, 25, 194-207.   | 1.5 | 24        |
| 18 | Multi-scale curvature for automated identification of glaciated mountain landscapes. <i>Geomorphology</i> , 2014, 209, 53-65.  | 1.1 | 32        |

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|----|--|-----|-----------|
| 19 | Quantifying the mass transfer from mountain ranges to deposition in sedimentary basins: Source to sink studies in the Danube Basinâ€“Black Sea system. <i>Global and Planetary Change</i> , 2013, 103, 1-18.                             | 1.6 | 49        |
| 20 | Sediment discharge from the proglacial zone of a retreating Alpine glacier. <i>Zeitschrift fÃ¼r Geomorphologie</i> , 2013, 57, 29-53.  | 0.3 | 43        |
| 21 | The global Sediment Budgets in Cold Environments (SEDIBUD) Programme: Coordinated studies of sedimentary fluxes and budgets in changing cold environments. <i>Zeitschrift fÃ¼r Geomorphologie</i> , 2012, 56, 3-8.                       | 0.3 | 3         |
| 22 | Spatial distribution of sediment storage types in two glacier landsystems (Pasterze & Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 Td (Ob  | 1.0 | 11        |
| 23 | Deepening of inner gorges through subglacial meltwater â€” An example from the UNESCO Entlebuch area, Switzerland. <i>Geomorphology</i> , 2012, 139-140, 506-517.  | 1.1 | 24        |
| 24 | Detection of mountain permafrost by combining high resolution surface and subsurface information â€” an example from the glatzbach catchment, austrian alps. <i>Geografiska Annaler, Series A: Physical Geography</i> , 2012, 94, 43-57. | 0.6 | 29        |
| 25 | Preface: concepts and implications of environmental change and human impact: studies from austrian geomorphological research. <i>Geografiska Annaler, Series A: Physical Geography</i> , 2012, 94, 1-5.                                  | 0.6 | 7         |
| 26 | Cartography. <i>Developments in Earth Surface Processes</i> , 2011, , 253-295.   | 2.8 | 20        |
| 27 | Sedimentary fluxes and budgets in changing cold environments: the global iag/aig sediment budgets in cold environments (sedibud) programme. <i>Geografiska Annaler, Series A: Physical Geography</i> , 2010, 92, 151-153.                | 0.6 | 8         |
| 28 | Quantifying sediment storage in a high alpine valley (Turtmantal, Switzerland). <i>Earth Surface Processes and Landforms</i> , 2009, 34, 1726-1742.  | 1.2 | 98        |
| 29 | HRSC-A data: a new high-resolution data set with multipurpose applications in physical geography. <i>Progress in Physical Geography</i> , 2007, 31, 179-197.   | 1.4 | 14        |
| 30 | Comparing geophysical methods for talus slope investigations in the Turtmann valley (Swiss Alps). <i>Geomorphology</i> , 2006, 76, 257-272.  | 1.1 | 87        |
| 31 | Geomorphologic system analysis of a high mountain valley in the Swiss Alps. <i>Zeitschrift fÃ¼r Geomorphologie</i> , 2004, 48, 323-342.  | 0.3 | 55        |
| 32 | Testing the performance of ice thickness models to estimate the formation of potential future glacial lakes in Austria. <i>Earth Surface Processes and Landforms</i> , 0, , .  | 1.2 | 5         |
| 33 | Manipulation of phyllosphere bacterial communities reversibly alters the plant microbiome and leaf traits in the field. <i>Alpine Botany</i> , 0, , 1.   | 1.1 | 0         |