# Maarten Lupker

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1249313/publications.pdf

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| 44 | 2,042 | 361296 | 243529 |
|---|---|---|---|
| papers | citations | 20 h-index | 44 g-index |

| 71 | 71 | 71 | 2225 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Dischargeâ€Modulated Soil Organic Carbon Export From Temperate Mountainous Headwater Streams. Journal of Geophysical Research G: Biogeosciences, 2022, 127, . | 1.3 | 2 |
| 2 | In-phase millennial-scale glacier changes in the tropics and North Atlantic regions during the Holocene. Nature Communications, 2022, 13, 1419. | 5.8 | 19 |
| 3 | Modelling the systematics of cosmogenic nuclide signals in fluvial sediments following extreme events. Earth Surface Processes and Landforms, 2022, 47, 2325-2340. | 1.2 | 3 |
| 4 | Climate control on terrestrial biospheric carbon turnover. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, . | 3.3 | 64 |
| 5 | Cosmogenic in situ 14C-10Be reveals abrupt Late Holocene soil loss in the Andean Altiplano. Nature Communications, 2021, 12, 2546. | 5.8 | 17 |
| 6 | The fate of fluvially-deposited organic carbon during transient floodplain storage. Earth and Planetary Science Letters, 2021, 561, 116822. | 1.8 | 23 |
| 7 | Neogene basin infilling from cosmogenic nuclides ( 10 Be and 21 Ne) in Atacama, Chile: Implications for palaeoclimate and supergene copper mineralization. Basin Research, 2021, 33, 2549-2571. | 1.3 | 2 |
| 8 | An unshakable carbon budget for the Himalaya. Nature Geoscience, 2021, 14, 745-750. | 5.4 | 20 |
| 9 | Millennial-age glycerol dialkyl glycerol tetraethers (GDGTs) in forested mineral soils: <sup>14</sup>C-based evidence for stabilization of microbial necromass. Biogeosciences, 2021, 18, 189-205. | 1.3 | 11 |
| 10 | Fluvial organic carbon cycling regulated by sediment transit time and mineral protection. Nature Geoscience, 2021, 14, 842-848. | 5.4 | 39 |
| 11 | Fluvial Organic Carbon Composition Regulated by Seasonal Variability in Lowland River Migration and Water Discharge. Geophysical Research Letters, 2021, 48, . | 1.5 | 10 |
| 12 | Antarctic-like temperature variations in the Tropical Andes recorded by glaciers and lakes during the last deglaciation. Quaternary Science Reviews, 2020, 247, 106542. | 1.4 | 17 |
| 13 | Molecular Tracing of Riverine Soil Organic Matter From the Central Himalaya. Geophysical Research Letters, 2020, 47, e2020GL087403. | 1.5 | 6 |
| 14 | Variations in organic carbon sourcing along a trans-Himalayan river determined by a Bayesian mixing approach. Geochimica Et Cosmochimica Acta, 2020, 286, 159-176. | 1.6 | 17 |
| 15 | Timing of exotic, far-traveled boulder emplacement and paleo-outburst flooding in the central Himalayas. Earth Surface Dynamics, 2020, 8, 769-787. | 1.0 | 19 |
| 16 | In-situ cosmogenic 14C analysis at ETH ZÃ¼rich: Characterization and performance of a new extraction system. Nuclear Instruments & Methods in Physics Research B, 2019, 457, 30-36. | 0.6 | 14 |
| 17 | Two MATLAB programs for computing paleo-elevations and burial ages from paired-cosmogenic nuclides. MethodsX, 2019, 6, 1547-1556. | 0.7 | 8 |
| 18 | Sulphuric acid-mediated weathering on Taiwan buffers geological atmospheric carbon sinks. Scientific Reports, 2019, 9, 2945. | 1.6 | 33 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Paired-cosmogenic nuclide paleoaltimetry. Earth and Planetary Science Letters, 2019, 515, 271-282. | 1.8 | 16 |
| 20 | Shortâ€time (<10 ka) denudation rates as a marker of active folding in the Zagros Fold Belt (Iran). Terra Nova, 2019, 31, 111-119. | 0.9 | 6 |
| 21 | Evolution of biomolecular loadings along a major river system. Geochimica Et Cosmochimica Acta, 2018, 223, 389-404. | 1.6 | 34 |
| 22 | Reconciling drainage and receiving basin signatures of the Godavari River system. Biogeosciences, 2018, 15, 3357-3375. | 1.3 | 19 |
| 23 | Lake Tauca highstand (Heinrich Stadial 1a) driven by a southward shift of the Bolivian High. Science Advances, 2018, 4, eaar2514. | 4.7 | 28 |
| 24 | Constraining Instantaneous Fluxes and Integrated Compositions of Fluvially Discharged Organic Matter. Geochemistry, Geophysics, Geosystems, 2018, 19, 2453-2462. | 1.0 | 13 |
| 25 | Constant denudation rates in a high alpine catchment for the last 6 kyrs. Earth Surface Processes and Landforms, 2017, 42, 1065-1077. | 1.2 | 13 |
| 26 | Millennial scale variability of denudation rates for the last 15 kyr inferred from the detrital <sup>10</sup>Be record of Lake Stappitz in the Hohe Tauern massif, Austrian Alps. Holocene, 2017, 27, 1914-1927. | 0.9 | 14 |
| 27 | <sup>10</sup>Be systematics in the Tsangpo-Brahmaputra catchment: the cosmogenic nuclide legacy of the eastern Himalayan syntaxis. Earth Surface Dynamics, 2017, 5, 429-449. | 1.0 | 35 |
| 28 | Impact of sedimentâ€“seawater cation exchange on Himalayan chemical weathering fluxes. Earth Surface Dynamics, 2016, 4, 675-684. | 1.0 | 13 |
| 29 | Combined cosmogenic 10Be, in situ 14C and 36Cl concentrations constrain Holocene history and erosion depth of Grueben glacier (CH). Swiss Journal of Geosciences, 2016, 109, 379-388. | 0.5 | 15 |
| 30 | In situ cosmogenic 10Be production rate in the High Tropical Andes. Quaternary Geochronology, 2015, 30, 54-68. | 0.6 | 35 |
| 31 | Spatial variability of 10 Be-derived erosion rates across the southern Peninsular Indian escarpment: A key to landscape evolution across passive margins. Earth and Planetary Science Letters, 2015, 425, 154-167. | 1.8 | 67 |
| 32 | Depth-dependence of the production rate of in situ 14C in quartz from the Leymon High core, Spain. Quaternary Geochronology, 2015, 28, 80-87. | 0.6 | 23 |
| 33 | Grain-size dependent concentration of cosmogenic 10Be and erosion dynamics in a landslide-dominated Himalayan watershed. Geomorphology, 2014, 224, 55-68. | 1.1 | 40 |
| 34 | Increasing chemical weathering in the Himalayan system since the Last Glacial Maximum. Earth and Planetary Science Letters, 2013, 365, 243-252. | 1.8 | 185 |
| 35 | Floodplains of large rivers: Weathering reactors or simple silos?. Chemical Geology, 2012, 332-333, 166-184. | 1.4 | 96 |
| 36 | 10Be-derived Himalayan denudation rates and sediment budgets in the Ganga basin. Earth and Planetary Science Letters, 2012, 333-334, 146-156. | 1.8 | 135 |

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|---|---|---|---|
| 37 | Predominant floodplain over mountain weathering of Himalayan sediments (Ganga basin). Geochimica Et Cosmochimica Acta, 2012, 84, 410-432. | 1.6 | 234 |
| 38 | A Rouse-based method to integrate the chemical composition of river sediments: Application to the Ganga basin. Journal of Geophysical Research, 2011, 116, . | 3.3 | 132 |
| 39 | How important is it to integrate riverine suspended sediment chemical composition with depth? Clues from Amazon River depth-profiles. Geochimica Et Cosmochimica Acta, 2011, 75, 6955-6970. | 1.6 | 73 |
| 40 | Mineralogical and chemical variability of fluvial sediments 2. Suspended-load silt (Gangaâ€“Brahmaputra, Bangladesh). Earth and Planetary Science Letters, 2011, 302, 107-120. | 1.8 | 296 |
| 41 | Prediction of depthâ€integrated fluxes of suspended sediment in the Amazon River: particle aggregation as a complicating factor. Hydrological Processes, 2011, 25, 778-794. | 1.1 | 58 |
| 42 | Isotopic tracing (Sr, Nd, U and Hf) of continental and marine aerosols in an 18th century section of the Dye-3 ice core (Greenland). Earth and Planetary Science Letters, 2010, 295, 277-286. | 1.8 | 64 |
| 43 | A new procedure for separating and measuring radiogenic isotopes (U, Th, Pa, Ra, Sr, Nd, Hf) in ice cores. Chemical Geology, 2009, 266, 194-204. | 1.4 | 70 |
| 44 | Application of image analysis and image simulation for quantitative characterization of scale spallation during cyclic oxidation of a Pt-aluminide coating. Intermetallics, 2006, 14, 423-434. | 1.8 | 3 |