Maarten Lupker

List of Publications by Year
in descending order

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

Version: 2024-02-01

44	2,042	361413	243625
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, .	3.0	2
2	In-phase millennial-scale glacier changes in the tropics and North Atlantic regions during the Holocene. Nature Communications, 2022, 13, 1419.	12.8	19
3	Modelling the systematics of cosmogenic nuclide signals in fluvial sediments following extreme events. Earth Surface Processes and Landforms, 2022, 47, 2325-2340.	2.5	3
4	Climate control on terrestrial biospheric carbon turnover. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	64
5	Cosmogenic in situ 14C-10Be reveals abrupt Late Holocene soil loss in the Andean Altiplano. Nature Communications, 2021, 12, 2546.	12.8	17
6	The fate of fluvially-deposited organic carbon during transient floodplain storage. Earth and Planetary Science Letters, 2021, 561, 116822.	4.4	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.	2.7	2
8	An unshakable carbon budget for the Himalaya. Nature Geoscience, 2021, 14, 745-750.	12.9	20
9	Millennial-age glycerol dialkyl glycerol tetraethers (GDGTs) in forested mineral soils: ¹⁴C-based evidence for stabilization of microbial necromass. Biogeosciences, 2021, 18, 189-205.	3.3	11
10	Fluvial organic carbon cycling regulated by sediment transit time and mineral protection. Nature Geoscience, 2021, 14, 842-848.	12.9	39
11	Fluvial Organic Carbon Composition Regulated by Seasonal Variability in Lowland River Migration and Water Discharge. Geophysical Research Letters, 2021, 48, .	4.0	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.	3.0	17
13	Molecular Tracing of Riverine Soil Organic Matter From the Central Himalaya. Geophysical Research Letters, 2020, 47, e2020GL087403.	4.0	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.	3.9	17
15	Timing of exotic, far-traveled boulder emplacement and paleo-outburst flooding in the central Himalayas. Earth Surface Dynamics, 2020, 8, 769-787.	2.4	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.	1.4	14
17	Two MATLAB programs for computing paleo-elevations and burial ages from paired-cosmogenic nuclides. MethodsX, 2019, 6, 1547-1556.	1.6	8
18	Sulphuric acid-mediated weathering on Taiwan buffers geological atmospheric carbon sinks. Scientific Reports, 2019, 9, 2945.	3.3	33

#	Article	IF	Citations
19	Paired-cosmogenic nuclide paleoaltimetry. Earth and Planetary Science Letters, 2019, 515, 271-282.	4.4	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.	2.1	6
21	Evolution of biomolecular loadings along a major river system. Geochimica Et Cosmochimica Acta, 2018, 223, 389-404.	3.9	34
22	Reconciling drainage and receiving basin signatures of the Godavari River system. Biogeosciences, 2018, 15, 3357-3375.	3.3	19
23	Lake Tauca highstand (Heinrich Stadial 1a) driven by a southward shift of the Bolivian High. Science Advances, 2018, 4, eaar2514.	10.3	28
24	Constraining Instantaneous Fluxes and Integrated Compositions of Fluvially Discharged Organic Matter. Geochemistry, Geophysics, Geosystems, 2018, 19, 2453-2462.	2.5	13
25	Constant denudation rates in a high alpine catchment for the last 6 kyrs. Earth Surface Processes and Landforms, 2017, 42, 1065-1077.	2.5	13
26	Millennial scale variability of denudation rates for the last 15 kyr inferred from the detrital ¹⁰Be record of Lake Stappitz in the Hohe Tauern massif, Austrian Alps. Holocene, 2017, 27, 1914-1927.	1.7	14
27	¹⁰Be systematics in the Tsangpo-Brahmaputra catchment: the cosmogenic nuclide legacy of the eastern Himalayan syntaxis. Earth Surface Dynamics, 2017, 5, 429-449.	2.4	35
28	Impact of sedimentâ€“seawater cation exchange on Himalayan chemical weathering fluxes. Earth Surface Dynamics, 2016, 4, 675-684.	2.4	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.	1.2	15
30	In situ cosmogenic 10Be production rate in the High Tropical Andes. Quaternary Geochronology, 2015, 30, 54-68.	1.4	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.	4.4	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.	1.4	23
33	Grain-size dependent concentration of cosmogenic 10Be and erosion dynamics in a landslide-dominated Himalayan watershed. Geomorphology, 2014, 224, 55-68.	2.6	40
34	Increasing chemical weathering in the Himalayan system since the Last Glacial Maximum. Earth and Planetary Science Letters, 2013, 365, 243-252.	4.4	185
35	Floodplains of large rivers: Weathering reactors or simple silos?. Chemical Geology, 2012, 332-333, 166-184.	3.3	96
36	10Be-derived Himalayan denudation rates and sediment budgets in the Ganga basin. Earth and Planetary Science Letters, 2012, 333-334, 146-156.	4.4	135

#	Article	IF	Citations
37	Predominant floodplain over mountain weathering of Himalayan sediments (Ganga basin). Geochimica Et Cosmochimica Acta, 2012, 84, 410-432.	3.9	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.	3.9	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.	4.4	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.	2.6	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.	4.4	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.	3.3	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.	3.9	3