

Maarten Lupker

List of Publications by Year in descending order

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44
papers

2,042
citations

361296

20
h-index

243529

44
g-index

71
all docs

71
docs citations

71
times ranked

2225
citing authors

#	ARTICLE	IF	CITATIONS
1	Mineralogical and chemical variability of fluvial sediments 2. Suspended-load silt (Gangaâ€“Brahmaputra, Bangladesh). <i>Earth and Planetary Science Letters</i> , 2011, 302, 107-120.	1.8	296
2	Predominant floodplain over mountain weathering of Himalayan sediments (Ganga basin). <i>Geochimica Et Cosmochimica Acta</i> , 2012, 84, 410-432.	1.6	234
3	Increasing chemical weathering in the Himalayan system since the Last Glacial Maximum. <i>Earth and Planetary Science Letters</i> , 2013, 365, 243-252.	1.8	185
4	¹⁰ Be-derived Himalayan denudation rates and sediment budgets in the Ganga basin. <i>Earth and Planetary Science Letters</i> , 2012, 333-334, 146-156.	1.8	135
5	A Rouse-based method to integrate the chemical composition of river sediments: Application to the Ganga basin. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	132
6	Floodplains of large rivers: Weathering reactors or simple silos?. <i>Chemical Geology</i> , 2012, 332-333, 166-184.	1.4	96
7	How important is it to integrate riverine suspended sediment chemical composition with depth? Clues from Amazon River depth-profiles. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 6955-6970.	1.6	73
8	A new procedure for separating and measuring radiogenic isotopes (U, Th, Pa, Ra, Sr, Nd, Hf) in ice cores. <i>Chemical Geology</i> , 2009, 266, 194-204.	1.4	70
9	Spatial variability of ¹⁰ Be-derived erosion rates across the southern Peninsular Indian escarpment: A key to landscape evolution across passive margins. <i>Earth and Planetary Science Letters</i> , 2015, 425, 154-167.	1.8	67
10	Isotopic tracing (Sr, Nd, U and Hf) of continental and marine aerosols in an 18th century section of the Dye-3 ice core (Greenland). <i>Earth and Planetary Science Letters</i> , 2010, 295, 277-286.	1.8	64
11	Climate control on terrestrial biospheric carbon turnover. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	64
12	Prediction of depthâ€“integrated fluxes of suspended sediment in the Amazon River: particle aggregation as a complicating factor. <i>Hydrological Processes</i> , 2011, 25, 778-794.	1.1	58
13	Grain-size dependent concentration of cosmogenic ¹⁰ Be and erosion dynamics in a landslide-dominated Himalayan watershed. <i>Geomorphology</i> , 2014, 224, 55-68.	1.1	40
14	Fluvial organic carbon cycling regulated by sediment transit time and mineral protection. <i>Nature Geoscience</i> , 2021, 14, 842-848.	5.4	39
15	In situ cosmogenic ¹⁰ Be production rate in the High Tropical Andes. <i>Quaternary Geochronology</i> , 2015, 30, 54-68.	0.6	35
16	<sup>10</sup>Be systematics in the Tsangpo-Brahmaputra catchment: the cosmogenic nuclide legacy of the eastern Himalayan syntaxis. <i>Earth Surface Dynamics</i> , 2017, 5, 429-449.	1.0	35
17	Evolution of biomolecular loadings along a major river system. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 223, 389-404.	1.6	34
18	Sulphuric acid-mediated weathering on Taiwan buffers geological atmospheric carbon sinks. <i>Scientific Reports</i> , 2019, 9, 2945.	1.6	33

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19	Lake Tauca highstand (Heinrich Stadial 1a) driven by a southward shift of the Bolivian High. <i>Science Advances</i> , 2018, 4, eaar2514.	4.7	28
20	Depth-dependence of the production rate of in situ ^{14}C in quartz from the Leymon High core, Spain. <i>Quaternary Geochronology</i> , 2015, 28, 80-87.	0.6	23
21	The fate of fluvially-deposited organic carbon during transient floodplain storage. <i>Earth and Planetary Science Letters</i> , 2021, 561, 116822.	1.8	23
22	An unshakable carbon budget for the Himalaya. <i>Nature Geoscience</i> , 2021, 14, 745-750.	5.4	20
23	Reconciling drainage and receiving basin signatures of the Godavari River system. <i>Biogeosciences</i> , 2018, 15, 3357-3375.	1.3	19
24	Timing of exotic, far-traveled boulder emplacement and paleo-outburst flooding in the central Himalayas. <i>Earth Surface Dynamics</i> , 2020, 8, 769-787.	1.0	19
25	In-phase millennial-scale glacier changes in the tropics and North Atlantic regions during the Holocene. <i>Nature Communications</i> , 2022, 13, 1419.	5.8	19
26	Antarctic-like temperature variations in the Tropical Andes recorded by glaciers and lakes during the last deglaciation. <i>Quaternary Science Reviews</i> , 2020, 247, 106542.	1.4	17
27	Variations in organic carbon sourcing along a trans-Himalayan river determined by a Bayesian mixing approach. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 286, 159-176.	1.6	17
28	Cosmogenic in situ ^{14}C - ^{10}Be reveals abrupt Late Holocene soil loss in the Andean Altiplano. <i>Nature Communications</i> , 2021, 12, 2546.	5.8	17
29	Paired-cosmogenic nuclide paleoaltimetry. <i>Earth and Planetary Science Letters</i> , 2019, 515, 271-282.	1.8	16
30	Combined cosmogenic ^{10}Be , in situ ^{14}C and ^{36}Cl concentrations constrain Holocene history and erosion depth of Grueben glacier (CH). <i>Swiss Journal of Geosciences</i> , 2016, 109, 379-388.	0.5	15
31	Millennial scale variability of denudation rates for the last 15 kyr inferred from the detrital ^{10}Be record of Lake Stappitz in the Hohe Tauern massif, Austrian Alps. <i>Holocene</i> , 2017, 27, 1914-1927.	0.9	14
32	In-situ cosmogenic ^{14}C analysis at ETH Zürich: Characterization and performance of a new extraction system. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2019, 457, 30-36.	0.6	14
33	Impact of sediment-seawater cation exchange on Himalayan chemical weathering fluxes. <i>Earth Surface Dynamics</i> , 2016, 4, 675-684.	1.0	13
34	Constant denudation rates in a high alpine catchment for the last 6 kyrs. <i>Earth Surface Processes and Landforms</i> , 2017, 42, 1065-1077.	1.2	13
35	Constraining Instantaneous Fluxes and Integrated Compositions of Fluvially Discharged Organic Matter. <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 2453-2462.	1.0	13
36	Millennial-age glycerol dialkyl glycerol tetraethers (GDGTs) in forested mineral soils: ^{14}C -based evidence for stabilization of microbial necromass. <i>Biogeosciences</i> , 2021, 18, 189-205.	1.3	11

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37	Fluvial Organic Carbon Composition Regulated by Seasonal Variability in Lowland River Migration and Water Discharge. <i>Geophysical Research Letters</i> , 2021, 48, .	1.5	10
38	Two MATLAB programs for computing paleo-elevations and burial ages from paired-cosmogenic nuclides. <i>MethodsX</i> , 2019, 6, 1547-1556.	0.7	8
39	Short-time (<10 ka) denudation rates as a marker of active folding in the Zagros Fold Belt (Iran). <i>Terra Nova</i> , 2019, 31, 111-119.	0.9	6
40	Molecular Tracing of Riverine Soil Organic Matter From the Central Himalaya. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087403.	1.5	6
41	Application of image analysis and image simulation for quantitative characterization of scale spallation during cyclic oxidation of a Pt-aluminide coating. <i>Intermetallics</i> , 2006, 14, 423-434.	1.8	3
42	Modelling the systematics of cosmogenic nuclide signals in fluvial sediments following extreme events. <i>Earth Surface Processes and Landforms</i> , 2022, 47, 2325-2340.	1.2	3
43	Neogene basin infilling from cosmogenic nuclides (^{10}Be and ^{21}Ne) in Atacama, Chile: Implications for palaeoclimate and supergene copper mineralization. <i>Basin Research</i> , 2021, 33, 2549-2571.	1.3	2
44	Discharge-Modulated Soil Organic Carbon Export From Temperate Mountainous Headwater Streams. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2022, 127, .	1.3	2