Katharine Huntington

List of Publications by Year
in descending order

54 papers	2,971 citations	159585 30 h-index	168389 53 g-index
56 all docs	56 docs citations	56 times ranked	2236 citing authors

#	Article	IF	Citations
1	Comparing isotopic estimates of paleoelevation from carbonates and volcanic glass from the Miocene-age Chucal Formation in northern Chile. Chemical Geology, 2022, 596, 120798.	3.3	1
2	The Erosional and Depositional Potential of Holocene Tibetan Megafloods Through the Yarlung Tsangpo Gorge, Eastern Himalaya: Insights From 2D Hydraulic Simulations. Journal of Geophysical Research F: Earth Surface, 2022, 127, .	2.8	6
3	Dynamics of Pedogenic Carbonate Growth in the Tropical Domain of Myanmar. Geochemistry, Geophysics, Geosystems, 2022, 23, .	2.5	3
4	The Î´¹³C, Î´¹⁸O and Î”₄₇records in biogenic, pedogenic and geogenic carbonate types from paleosol-loess sequence and their paleoenvironmental meaning. Quaternary Research, 2021, 101, 256-272.	1.7	5
5	Geothermal Fluid Variation Recorded by Banded Ca-Carbonate Veins in a Fault-Related, Fissure Ridge-Type Travertine Depositional System (Iano, southern Tuscany, Italy). Geofluids, 2021, 2021, 1-28.	0.7	14
6	How 17O excess in clumped isotope reference-frame materials and ETH standards affects reconstructed temperature. Chemical Geology, 2021, 563, 120059.	3.3	9
7	A Unified Clumped Isotope Thermometer Calibration (0.5â€“1,100Â°C) Using Carbonateâ€Based Standardization. Geophysical Research Letters, 2021, 48, e2020GL092069.	4.0	116
8	InterCarb: A Community Effort to Improve Interlaboratory Standardization of the Carbonate Clumped Isotope Thermometer Using Carbonate Standards. Geochemistry, Geophysics, Geosystems, 2021, 22, e2020GC009588.	2.5	110
9	Rise of the Colorado Plateau: A Synthesis of Paleoelevation Constraints From the Region and a Path Forward Using Temperature-Based Elevation Proxies. Frontiers in Earth Science, 2021, 9, .	1.8	5
10	Were springline carbonates in the Kurkurâ€“Dungul area (southern Egypt) deposited during glacial periods?. Journal of the Geological Society, 2021, 178, .	2.1	8
11	Rapid and Precise Analysis of Carbon Dioxide Clumped Isotopic Composition by Tunable Infrared Laser Differential Spectroscopy. Analytical Chemistry, 2020, 92, 2034-2042.	6.5	16
12	Travertine deposits constraining transfer zone neotectonics in geothermal areas: An example from the inner Northern Apennines (Bagno Vignoni-Val dâ€™Orcia area, Italy). Geothermics, 2020, 85, 101763.	3.4	31
13	A proxy for all seasons? A synthesis of clumped isotope data from Holocene soil carbonates. Quaternary Science Reviews, 2020, 234, 106259.	3.0	59
14	Provenance and erosional impact of Quaternary megafloods through the Yarlung-Tsangpo Gorge from zircon U-Pb geochronology of flood deposits, eastern Himalaya. Earth and Planetary Science Letters, 2020, 535, 116113.	4.4	24
15	Effects of Improved ¹⁷O Correction on Interlaboratory Agreement in Clumped Isotope Calibrations, Estimates of Mineralâ€Specific Offsets, and Temperature Dependence of Acid Digestion Fractionation. Geochemistry, Geophysics, Geosystems, 2019, 20, 3495-3519.	2.5	134
16	The Geomorphic Impact of Outburst Floods: Integrating Observations and Numerical Simulations of the 2000 Yigong Flood, Eastern Himalaya. Journal of Geophysical Research F: Earth Surface, 2019, 124, 1056-1079.	2.8	58
17	The burial and exhumation history of the Liuqu Conglomerate in the Yarlung Zangbo suture zone, southern Tibet: Insights from clumped isotope thermometry. Journal of Asian Earth Sciences, 2019, 174, 205-217.	2.3	7
18	Revisiting the equable climate problem during the Late Cretaceous greenhouse using paleosol carbonate clumped isotope temperatures from the Campanian of the Western Interior Basin, USA. Palaeogeography, Palaeoclimatology, Palaeoecology, 2019, 516, 244-267.	2.3	34

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19	Taking the Temperature of Hydrothermal Ore Deposits Using Clumped Isotope Thermometry. Economic Geology, 2018, 113, 1671-1678.	3.8	10
20	Temperature seasonality in the North American continental interior during the Early Eocene Climatic Optimum. Climate of the Past, 2018, 14, 1391-1404.	3.4	25
21	Warm Terrestrial Subtropics During the Paleocene and Eocene: Carbonate Clumped Isotope (Î”₄₇) Evidence From the Tornillo Basin, Texas (USA). Paleoceanography and Paleoclimatology, 2018, 33, 1230-1249.	2.9	9
22	A symmetrical CO2 peak and asymmetrical climate change during the middle Miocene. Earth and Planetary Science Letters, 2018, 499, 134-144.	4.4	41
23	Loessâ€“paleosol carbonate clumped isotope record of late Pleistoceneâ€“Holocene climate change in the Palouse region, Washington State, USA. Quaternary Research, 2018, 90, 331-347.	1.7	12
24	Clumped isotope constraints on equilibrium carbonate formation and kinetic isotope effects in freezing soils. Geochimica Et Cosmochimica Acta, 2018, 235, 402-430.	3.9	22
25	Impact of the North American monsoon on isotope paleoaltimeters: Implications for the paleoaltimetry of the American southwest. Numerische Mathematik, 2017, 317, 1-33.	1.4	16
26	Stable C, O and clumped isotope systematics and 14C geochronology of carbonates from the Quaternary Chewaucan closed-basin lake system, Great Basin, USA: Implications for paleoenvironmental reconstructions using carbonates. Geochimica Et Cosmochimica Acta, 2017, 212, 274-302.	3.9	25
27	Toward a universal carbonate clumped isotope calibration: Diverse synthesis and preparatory methods suggest a single temperature relationship. Geochimica Et Cosmochimica Acta, 2017, 197, 104-131.	3.9	141
28	Rapid exhumation of the eastern Himalayan syntaxis since the late Miocene. Bulletin of the Geological Society of America, 2016, 128, 1403-1422.	3.3	61
29	Choice of ¹⁷O correction affects clumped isotope (Î”₄₇) values of CO₂ measured with mass spectrometry. Rapid Communications in Mass Spectrometry, 2016, 30, 2607-2616.	1.5	126
30	Constraints on paleofluid sources using the clumped-isotope thermometry of carbonate veins from the SAFOD (San Andreas Fault Observatory at Depth) borehole. Tectonophysics, 2016, 690, 174-189.	2.2	14
31	Temperature and composition of carbonate cements record early structural control on cementation in a nascent deformation band fault zone: Moab Fault, Utah, USA. Tectonophysics, 2016, 690, 240-252.	2.2	26
32	Influence of vegetation type and site-to-site variability on soil carbonate clumped isotope records, Andean piedmont of Central Argentina (32â€“34Â°S). Earth and Planetary Science Letters, 2016, 440, 1-11.	4.4	39
33	Variations in soil carbonate formation and seasonal bias over >4 km of relief in the western Andes (30Â°S) revealed by clumped isotope thermometry. Earth and Planetary Science Letters, 2016, 441, 188-199.	4.4	50
34	Carbonate clumped isotope thermometry in continental tectonics. Tectonophysics, 2015, 647-648, 1-20.	2.2	94
35	High late Mioceneâ€“Pliocene elevation of the Zhada Basin, southwestern Tibetan Plateau, from carbonate clumped isotope thermometry. Bulletin of the Geological Society of America, 2015, 127, 181-199.	3.3	70
36	Antecedence of the Yarlungâ€“Siangâ€“Brahmaputra River, eastern Himalaya. Earth and Planetary Science Letters, 2014, 397, 145-158.	4.4	87

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37	Uplift of the Central Andes of NW Argentina associated with upper crustal shortening, revealed by multiproxy isotopic analyses. Tectonics, 2014, 33, 1039-1054.	2.8	43
38	Hot or not? Impact of seasonally variable soil carbonate formation on paleotemperature and O-isotope records from clumped isotope thermometry. Earth and Planetary Science Letters, 2013, 361, 208-218.	4.4	101
39	Rapid long-term erosion in the rain shadow of the Shillong Plateau, Eastern Himalaya. Tectonophysics, 2013, 582, 76-83.	2.2	43
40	Tracing paleofluid sources using clumped isotope thermometry of diagenetic cements along the Moab Fault, Utah. Numerische Mathematik, 2013, 313, 490-515.	1.4	42
41	Erosion of the Tsangpo Gorge by megafloods, Eastern Himalaya. Geology, 2013, 41, 1003-1006.	4.4	85
42	Syndepositional Deformation Features In High-Relief Carbonate Platforms: Long-Lived Conduits for Diagenetic Fluids. Journal of Sedimentary Research, 2013, 83, 12-36.	1.6	53
43	The Question of Communist Land Degradation: New Evidence from Local Erosion and Basin-Wide Sediment Yield in Southwest China and Southeast Tibet. Annals of the American Association of Geographers, 2011, 101, 477-496.	3.0	15
44	Spatial controls on erosion in the Three Rivers Region, southeastern Tibet and southwestern China. Earth and Planetary Science Letters, 2011, 303, 71-83.	4.4	95
45	Use of Clumped-Isotope Thermometry To Constrain the Crystallization Temperature of Diagenetic Calcite. Journal of Sedimentary Research, 2011, 81, 656-669.	1.6	126
46	Monsoon control of effective discharge, Yunnan and Tibet. Geology, 2010, 38, 975-978.	4.4	58
47	Influence of climate change and uplift on Colorado Plateau paleotemperatures from carbonate clumped isotope thermometry. Tectonics, 2010, 29, .	2.8	116
48	Methods and limitations of â€˜clumpedâ€™ CO₂ isotope (Î”₄₇) analysis by gasâ€source isotope ratio mass spectrometry. Journal of Mass Spectrometry, 2009, 44, 1318-1329.	1.6	371
49	Plio-Quaternary exhumation history of the central Nepalese Himalaya: 2. Thermokinematic and thermochronometer age prediction model. Tectonics, 2007, 26, n/a-n/a.	2.8	93
50	Sandy signs of a tsunami's onshore depth and speed. Eos, 2007, 88, 577-578.	0.1	37
51	Topography, exhumation pathway, age uncertainties, and the interpretation of thermochronometer data. Tectonics, 2007, 26, .	2.8	44
52	A comparative study of detrital mineral and bedrock age-elevation methods for estimating erosion rates. Journal of Geophysical Research, 2006, 111, n/a-n/a.	3.3	31
53	Climate change and Late Pliocene acceleration of erosion in the Himalaya. Earth and Planetary Science Letters, 2006, 252, 107-118.	4.4	107
54	â€œRoll-Frontâ€•Mass Transfer of Carbonate Cations in Carlin-Type Gold Deposits: Insights from UV-Fluorescent Calcite Veins. Economic Geology, 0, , .	3.8	2