

Stefano M Bernasconi

List of Publications by Year in descending order

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311
papers

17,705
citations

12303

69
h-index

20307

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363
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363
times ranked

14887
citing authors

#	ARTICLE	IF	CITATIONS
1	A Serpentinite-Hosted Ecosystem: The Lost City Hydrothermal Field. <i>Science</i> , 2005, 307, 1428-1434.	6.0	1,037
2	Preservation of organic matter and alteration of its carbon and nitrogen isotope composition during simulated and in situ early sedimentary diagenesis. <i>Geochimica Et Cosmochimica Acta</i> , 2002, 66, 3573-3584.	1.6	701
3	30,000 Years of Hydrothermal Activity at the Lost City Vent Field. <i>Science</i> , 2003, 301, 495-498.	6.0	361
4	A revised isotope fractionation model for dissimilatory sulfate reduction in sulfate reducing bacteria. <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 4759-4771.	1.6	356
5	Calibration of the $\delta^{18}\text{O}$ paleothermometer for dolomite precipitated in microbial cultures and natural environments. <i>Geology</i> , 2005, 33, 317.	2.0	293
6	Temperature and salinity variations of Mediterranean Sea surface waters over the last 16,000 years from records of planktonic stable oxygen isotopes and alkenone unsaturation ratios. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2000, 158, 259-280.	1.0	289
7	Dolomite formation within microbial mats in the coastal sabkha of Abu Dhabi (United Arab Emirates). <i>Sedimentology</i> , 2010, 57, 824-844.	1.6	264
8	Hypersulfidic deep biosphere indicates extreme sulfur isotope fractionation during single-step microbial sulfate reduction. <i>Geology</i> , 2001, 29, 647.	2.0	257
9	100,000 Years of African monsoon variability recorded in sediments of the Nile margin. <i>Quaternary Science Reviews</i> , 2010, 29, 1342-1362.	1.4	244
10	A model for oxygen and sulfur isotope fractionation in sulfate during bacterial sulfate reduction processes. <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 4773-4785.	1.6	227
11	Bacterial, Archaeal and Fungal Succession in the Forefield of a Receding Glacier. <i>Microbial Ecology</i> , 2012, 63, 552-564.	1.4	214
12	Modelling nitrogen and oxygen isotope fractionation during denitrification in a lacustrine redox-transition zone. <i>Geochimica Et Cosmochimica Acta</i> , 2003, 67, 2529-2542.	1.6	205
13	The record of nitrate utilization and productivity limitation provided by $\delta^{15}\text{N}$ values in lake organic matter – A study of sediment trap and core sediments from Baldeggersee, Switzerland. <i>Limnology and Oceanography</i> , 2000, 45, 801-813.	1.6	199
14	Temperature dependence of oxygen- and clumped isotope fractionation in carbonates: A study of travertines and tufas in the 6–95°C temperature range. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 168, 172-192.	1.6	199
15	A volcanic CO ₂ pulse triggered the Cretaceous Oceanic Anoxic Event 1a and a biocalcification crisis. <i>Geology</i> , 2009, 37, 819-822.	2.0	195
16	The role of serpentinites in cycling of carbon and sulfur: Seafloor serpentinization and subduction metamorphism. <i>Lithos</i> , 2013, 178, 40-54.	0.6	193
17	Reducing Uncertainties in Carbonate Clumped Isotope Analysis Through Consistent Carbonate-Based Standardization. <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 2895-2914.	1.0	172
18	Seasonal variation of the $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ of particulate and dissolved carbon and nitrogen in Lake Lugano: Constraints on biogeochemical cycling in a eutrophic lake. <i>Limnology and Oceanography</i> , 2004, 49, 415-429.	1.6	166

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19	Long-term performance of the Kiel carbonate device with a new correction scheme for clumped isotope measurements. <i>Rapid Communications in Mass Spectrometry</i> , 2014, 28, 1705-1715.	0.7	166
20	Tethyan magnetostratigraphy from Pizzo Mondello (Sicily) and correlation to the Late Triassic Newark astrochronological polarity time scale. <i>Bulletin of the Geological Society of America</i> , 2004, 116, 1043.	1.6	164
21	Hydrogen and Carbon Isotope Fractionation during Aerobic Biodegradation of Benzene. <i>Environmental Science & Technology</i> , 2001, 35, 3462-3467.	4.6	160
22	Microbes produce nanobacteria-like structures, avoiding cell entombment. <i>Geology</i> , 2008, 36, 663.	2.0	160
23	Activity and Diversity of Sulfate-Reducing Bacteria in a Petroleum Hydrocarbon-Contaminated Aquifer. <i>Applied and Environmental Microbiology</i> , 2002, 68, 1516-1523.	1.4	159
24	Biomarker Evidence for a Major Preservation Pathway of Sedimentary Organic Carbon. <i>Science</i> , 2006, 312, 1627-1631.	6.0	159
25	Evolution of the Nile deep-sea turbidite system during the Late Quaternary: influence of climate change on fan sedimentation. <i>Sedimentology</i> , 2009, 56, 2061-2090.	1.6	159
26	Chemical and Biological Gradients along the Damma Glacier Soil Chronosequence, Switzerland. <i>Vadose Zone Journal</i> , 2011, 10, 867-883.	1.3	158
27	Dolomite formation in the dynamic deep biosphere: results from the Peru Margin. <i>Sedimentology</i> , 2007, 54, 1007-1032.	1.6	143
28	Formation processes of methane-derived authigenic carbonates from the Gulf of Cadiz. <i>Sedimentary Geology</i> , 2012, 243-244, 155-168.	1.0	136
29	Effects of Improved ¹⁷ O Correction on Interlaboratory Agreement in Clumped Isotope Calibrations, Estimates of Mineral-Specific Offsets, and Temperature Dependence of Acid Digestion Fractionation. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 3495-3519.	1.0	134
30	Anomalies in global carbon cycling and extinction at the Triassic/Jurassic boundary: evidence from a marine C-isotope record. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2005, 216, 203-214.	1.0	132
31	Oxygen Isotopes Unravel the Role of Microorganisms in Phosphate Cycling in Soils. <i>Environmental Science & Technology</i> , 2012, 46, 5956-5962.	4.6	132
32	Oxygen and carbon isotopic record of climatic variability in tree ring cellulose (<i>Picea abies</i>): An example from central Switzerland (1913-1995). <i>Journal of Geophysical Research</i> , 1998, 103, 31625-31636.	3.3	124
33	Limitations of Using ¹⁸ O for the Source Identification of Nitrate in Agricultural Soils. <i>Environmental Science & Technology</i> , 2001, 35, 1840-1844.	4.6	124
34	Investigating the history of East Asian monsoon and climate during the last glacial-interglacial period (0-140,000 years): mineralogy and geochemistry of ODP Sites 1143 and 1144, South China Sea. <i>Marine Geology</i> , 2003, 201, 147-168.	0.9	124
35	Carbon geochemistry of serpentinites in the Lost City Hydrothermal System (30°N, MAR). <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 3681-3702.	1.6	122
36	A method for the analysis of the ¹⁸ O of inorganic phosphate extracted from soils with HCl. <i>European Journal of Soil Science</i> , 2010, 61, 1025-1032.	1.8	122

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37	Oxygen isotope biogeochemistry of pore water sulfate in the deep biosphere: Dominance of isotope exchange reactions with ambient water during microbial sulfate reduction (ODP Site 1130). <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 4221-4232.	1.6	121
38	A Unified Clumped Isotope Thermometer Calibration (0.5‰–1,100‰) Using Carbonate-Based Standardization. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL092069.	1.5	116
39	Carbon and oxygen isotope analysis of small carbonate samples (20 to 100‰) with a GasBench II preparation device. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 1910-1914.	0.7	115
40	Background effects on Faraday collectors in gas-source mass spectrometry and implications for clumped isotope measurements. <i>Rapid Communications in Mass Spectrometry</i> , 2013, 27, 603-612.	0.7	114
41	Sulfur isotope fractionation during microbial sulfate reduction by toluene-degrading bacteria. <i>Geochimica Et Cosmochimica Acta</i> , 2001, 65, 3289-3298.	1.6	111
42	InterCarb: A Community Effort to Improve Interlaboratory Standardization of the Carbonate Clumped Isotope Thermometer Using Carbonate Standards. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2020GC009588.	1.0	110
43	Carbon and nitrogen isotope variations in sedimenting organic matter in Lake Lugano. <i>Limnology and Oceanography</i> , 1997, 42, 1755-1765.	1.6	106
44	Microbial utilization of abiogenic carbon and hydrogen in a serpentinite-hosted system. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 92, 82-99.	1.6	105
45	Model evaluation for reconstructing the oxygen isotopic composition in precipitation from tree ring cellulose over the last century. <i>Chemical Geology</i> , 2002, 182, 121-137.	1.4	103
46	An automated method for clumped isotope measurements on small carbonate samples. <i>Rapid Communications in Mass Spectrometry</i> , 2010, 24, 1955-1963.	0.7	103
47	Stable isotope analysis of macroinvertebrates and their food sources in a glacier stream. <i>Freshwater Biology</i> , 2001, 46, 871-882.	1.2	102
48	Distribution of branched and isoprenoid tetraether lipids in an oligotrophic and a eutrophic Swiss lake: Insights into sources and GDGT-based proxies. <i>Organic Geochemistry</i> , 2010, 41, 822-832.	0.9	99
49	Serpentinization and carbon sequestration: A study of two ancient peridotite-hosted hydrothermal systems. <i>Chemical Geology</i> , 2013, 351, 115-133.	1.4	96
50	Pasture degradation impacts soil phosphorus storage via changes to aggregate-associated soil organic matter in highly weathered tropical soils. <i>Soil Biology and Biochemistry</i> , 2014, 68, 150-157.	4.2	96
51	Large and rapid climate variability during the Messinian salinity crisis: Evidence from deuterium concentrations of individual biomarkers. <i>Geology</i> , 2001, 29, 799.	2.0	95
52	Hydrological control of stream water chemistry in a glacial catchment (Damma Glacier, Switzerland). <i>Chemical Geology</i> , 2011, 285, 215-230.	1.4	92
53	Sulfur and oxygen isotope fractionation during sulfate reduction coupled to anaerobic oxidation of methane is dependent on methane concentration. <i>Earth and Planetary Science Letters</i> , 2014, 399, 61-73.	1.8	92
54	Assessing Transformation Processes of Organic Compounds Using Stable Isotope Fractionation. <i>Environmental Science & Technology</i> , 2008, 42, 7737-7743.	4.6	90

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55	Calibration and application of the $\delta^{13}\text{C}$ -clumped isotope thermometer to foraminifera for high-resolution climate reconstructions. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 108, 125-140.	1.6	89
56	Characterization of Multiple-Substrate Utilization by Anthracene-Degrading <i>Mycobacterium frederiksbergense</i> LB501T. <i>Applied and Environmental Microbiology</i> , 2003, 69, 6133-6142.	1.4	88
57	Carbonate clumped isotope analyses with the long integration dual inlet (LIDI) workflow: scratching at the lower sample weight boundaries. <i>Rapid Communications in Mass Spectrometry</i> , 2017, 31, 1057-1066.	0.7	84
58	In situ assessment of microbial sulfate reduction in a petroleum-contaminated aquifer using push-pull tests and stable sulfur isotope analyses. <i>Journal of Contaminant Hydrology</i> , 2001, 51, 179-195.	1.6	83
59	Soil Processes and Functions in Critical Zone Observatories: Hypotheses and Experimental Design. <i>Vadose Zone Journal</i> , 2011, 10, 974-987.	1.3	81
60	High-resolution late-glacial chronology for the Gerzensee lake record (Switzerland): $\delta^{18}\text{O}$ correlation between a Gerzensee-stack and NGRIP. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2013, 391, 13-24.	1.0	81
61	Deeply-sourced formate fuels sulfate reducers but not methanogens at Lost City hydrothermal field. <i>Scientific Reports</i> , 2018, 8, 755.	1.6	81
62	Nile floods recorded in deep Mediterranean sediments. <i>Quaternary Research</i> , 2008, 70, 382-391.	1.0	80
63	A close-up view of the Permian-Triassic boundary based on expanded organic carbon isotope records from Norway (Trøndelag and Finnmark Platform). <i>Global and Planetary Change</i> , 2010, 74, 156-167.	1.6	80
64	The Use of Tracers to Investigate Phosphate Cycling in Soil-Plant Systems. <i>Soil Biology</i> , 2011, , 59-91.	0.6	80
65	Oxygen Isotopes for Unraveling Phosphorus Transformations in the Soil-Plant System: A Review. <i>Soil Science Society of America Journal</i> , 2014, 78, 38-46.	1.2	77
66	An interlaboratory study of TEX_{86} and BIT analysis of sediments, extracts, and standard mixtures. <i>Geochemistry, Geophysics, Geosystems</i> , 2013, 14, 5263-5285.	1.0	76
67	Palaeoceanographic and palaeoclimatic reorganization around the Middle-Late Jurassic transition. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2007, 251, 527-546.	1.0	74
68	A Reassessment of the Precision of Carbonate Clumped Isotope Measurements: Implications for Calibrations and Paleoclimate Reconstructions. <i>Geochemistry, Geophysics, Geosystems</i> , 2017, 18, 4375-4386.	1.0	74
69	The effect of phosphomonoesterases on the oxygen isotope composition of phosphate. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 125, 519-527.	1.6	73
70	A warm and poorly ventilated deep Arctic Mediterranean during the last glacial period. <i>Science</i> , 2015, 349, 706-710.	6.0	70
71	Factors controlling $\delta^{13}\text{C}$ values of sedimentary carbon in hypertrophic Baldeggersee, Switzerland, and implications for interpreting isotope excursions in lake sedimentary records. <i>Limnology and Oceanography</i> , 2005, 50, 914-922.	1.6	69
72	Mineral dust and elemental black carbon records from an Alpine ice core (Colle Gnifetti glacier) over the last millennium. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	69

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73	Geochemical evidence for enhanced productivity during S1 sapropel deposition in the eastern Mediterranean. <i>Paleoceanography</i> , 2000, 15, 200-209.	3.0	68
74	Phosphate oxygen isotopes: Insights into sedimentary phosphorus cycling from the Benguela upwelling system. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 3741-3756.	1.6	68
75	Soil processes and functions across an international network of Critical Zone Observatories: Introduction to experimental methods and initial results. <i>Comptes Rendus - Geoscience</i> , 2012, 344, 758-772.	0.4	68
76	Stratigraphy and palaeoenvironmental analysis of the Triassic-Jurassic transition in the western Southern Alps (Northern Italy). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2007, 244, 52-70.	1.0	67
77	A volcanically induced climate warming and floral change preceded the onset of OAE1a (Early) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	1.0	67
78	Sulfur in peridotites and gabbros at Lost City (30°N, MAR): Implications for hydrothermal alteration and microbial activity during serpentinization. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 5090-5110.	1.6	66
79	Stable isotope analysis of organic carbon in small (Åµg C) samples and dissolved organic matter using a GasBench preparation device. <i>Rapid Communications in Mass Spectrometry</i> , 2012, 26, 9-16.	0.7	66
80	A comparative study of the geochemical and mineralogical characteristics of the S1 sapropel in the western and eastern Mediterranean. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2003, 190, 23-37.	1.0	65
81	The reversibility of dissimilatory sulphate reduction and the cell-internal multi-step reduction of sulphite to sulphide: insights from the oxygen isotope composition of sulphate. <i>Isotopes in Environmental and Health Studies</i> , 2012, 48, 33-54.	0.5	65
82	A potential early middle Pleistocene tephrostratotype for the Mediterranean basin: the Vallo Di Diano, Campania, Italy. <i>Global and Planetary Change</i> , 1999, 21, 1-15.	1.6	64
83	Dolomite formation in the shallow seas of the Alpine Triassic. <i>Sedimentology</i> , 2013, 60, 270-291.	1.6	64
84	A study of oxygen isotopic fractionation during bio-induced calcite precipitation in eutrophic Baldeggersee, Switzerland. <i>Geochimica Et Cosmochimica Acta</i> , 1999, 63, 1981-1989.	1.6	62
85	Origins and accumulation of organic matter in expanded Albian to Santonian black shale sequences on the Demerara Rise, South American margin. <i>Organic Geochemistry</i> , 2006, 37, 1816-1830.	0.9	61
86	Sulfur geochemistry of peridotite-hosted hydrothermal systems: Comparing the Ligurian ophiolites with oceanic serpentinites. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 91, 283-305.	1.6	61
87	Southern Ocean deglacial record supports global Younger Dryas. <i>Earth and Planetary Science Letters</i> , 2003, 216, 515-524.	1.8	60
88	Sulfur mineralogy and geochemistry of serpentinites and gabbros of the Atlantis Massif (IODP Site) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.6	60
89	21,000 Years of Ethiopian African monsoon variability recorded in sediments of the western Nile deep-sea fan. <i>Regional Environmental Change</i> , 2014, 14, 1685-1696.	1.4	60
90	An evaporite-based high-resolution sulfur isotope record of Late Permian and Triassic seawater sulfate. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 204, 331-349.	1.6	60

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91	Review of occurrences and carbon isotope geochemistry of oxalate minerals: implications for the origin and fate of oxalate in diagenetic and hydrothermal fluids. <i>Chemical Geology</i> , 1998, 149, 127-146.	1.4	59
92	Sulfur isotope fractionation during growth of sulfate-reducing bacteria on various carbon sources. <i>Geochimica Et Cosmochimica Acta</i> , 2004, 68, 4891-4904.	1.6	59
93	The residence time of Southern Ocean surface waters and the 100,000-year ice age cycle. <i>Science</i> , 2019, 363, 1080-1084.	6.0	58
94	Groundwater recharge in a sedimentary basin in semi-arid Mexico. <i>Hydrogeology Journal</i> , 2004, 12, 511-530.	0.9	57
95	Clumped isotope fractionation during phosphoric acid digestion of carbonates at 70 Å°C. <i>Chemical Geology</i> , 2017, 449, 1-14.	1.4	56
96	Use of isotopic and molecular techniques to link toluene degradation in denitrifying aquifer microcosms to specific microbial populations. <i>Archives of Microbiology</i> , 2001, 175, 270-281.	1.0	55
97	Stable isotopic record of hydrological changes in subtropical Laguna Mar Chiquita (Argentina) over the last 230 years. <i>Holocene</i> , 2004, 14, 525-535.	0.9	55
98	Low organic carbon burial efficiency in arctic lake sediments. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2014, 119, 1231-1243.	1.3	55
99	Rock-forming moissanite (natural Î±-silicon carbide). <i>American Mineralogist</i> , 2003, 88, 1817-1821.	0.9	53
100	Detailed record of the mid-Oxfordian (Late Jurassic) positive carbon-isotope excursion in two hemipelagic sections (France and Switzerland): A plate tectonic trigger?. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2007, 248, 459-472.	1.0	53
101	Dolomite formation within the methanogenic zone induced by tectonically driven fluids in the Peru accretionary prism. <i>Geology</i> , 2011, 39, 563-566.	2.0	53
102	Future runoff from a partly glacierized watershed in Central Switzerland: A two-model approach. <i>Advances in Water Resources</i> , 2013, 55, 204-214.	1.7	52
103	¹⁸ O enrichment in phosphorus pools extracted from soybean leaves. <i>New Phytologist</i> , 2013, 197, 186-193.	3.5	51
104	Weathering, soil formation and initial ecosystem evolution on a glacier forefield: a case study from the Damma Glacier, Switzerland. <i>Mineralogical Magazine</i> , 2008, 72, 19-22.	0.6	50
105	Glacial-interglacial temperature change in the tropical West Pacific: A comparison of stalagmite-based paleo-thermometers. <i>Quaternary Science Reviews</i> , 2015, 127, 90-116.	1.4	50
106	Microbial diversity of Loki's Castle black smokers at the Arctic Ocean Ridge. <i>Geobiology</i> , 2012, 10, 548-561.	1.1	49
107	A modified procedure for gas-source isotope ratio mass spectrometry: the long integration dual-inlet (LIDI) methodology and implications for clumped isotope measurements. <i>Rapid Communications in Mass Spectrometry</i> , 2014, 28, 1413-1425.	0.7	49
108	Engineered in situ bioremediation of a petroleum hydrocarbon-contaminated aquifer: assessment of mineralization based on alkalinity, inorganic carbon and stable carbon isotope balances. <i>Journal of Contaminant Hydrology</i> , 1999, 37, 201-223.	1.6	48

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109	Carbon and nitrogen isotope excursions in mid-Pleistocene sapropels from the Tyrrhenian Basin: Evidence for climate-induced increases in microbial primary production. <i>Marine Geology</i> , 2005, 220, 41-58.	0.9	48
110	Sources of organic nitrogen at the serpentinite-hosted L -type C -type hydrothermal field. <i>Geobiology</i> , 2013, 11, 154-169.	1.1	48
111	A biocalcification crisis at the Triassic-Jurassic boundary recorded in the Budva Basin (Dinarides). <i>Tj ETQq1 1 0.784314 rgBT /Qverlock</i>	1.6	47
112	Paleoceanographic changes during the Albian-Cenomanian in the Tethys and North Atlantic and the onset of the Cretaceous chalk. <i>Global and Planetary Change</i> , 2015, 126, 46-61.	1.6	47
113	Natural and human-induced environmental change in southern Albania for the last 300 years - Constraints from the Lake Butrint sedimentary record. <i>Global and Planetary Change</i> , 2010, 71, 183-192.	1.6	46
114	When animals are not quite what they eat: diet digestibility influences ^{13}C -incorporation rates and apparent discrimination in a mixed-feeding herbivore. <i>Canadian Journal of Zoology</i> , 2011, 89, 453-465.	0.4	45
115	Uptake of carbon and sulfur during seafloor serpentinitization and the effects of subduction metamorphism in Ligurian peridotites. <i>Chemical Geology</i> , 2012, 322-323, 268-277.	1.4	45
116	Orbital control on carbon cycle and oceanography in the mid-Cretaceous greenhouse. <i>Paleoceanography</i> , 2012, 27, .	3.0	45
117	Calibration of the oxygen and clumped isotope thermometers for (proto-)dolomite based on synthetic and natural carbonates. <i>Chemical Geology</i> , 2019, 525, 1-17.	1.4	45
118	Influence of the growth substrate on ester-linked phospho- and glycolipid fatty acids of PAH-degrading <i>Mycobacterium</i> sp. LB501T. <i>Environmental Microbiology</i> , 2003, 5, 672-680.	1.8	44
119	DIET OF THE COMMON WARTHOG (<i>PHACOCHOERUS AFRICANUS</i>) ON FORMER CATTLE GROUNDS IN A TANZANIAN SAVANNA. <i>Journal of Mammalogy</i> , 2006, 87, 889-898.	0.6	43
120	Multiproxy Late Quaternary stratigraphy of the Nile deep-sea turbidite system - Towards a chronology of deep-sea terrigenous systems. <i>Sedimentary Geology</i> , 2007, 200, 1-13.	1.0	43
121	Long-stored soil carbon released by prehistoric land use: Evidence from compound-specific radiocarbon analysis on Soppensee lake sediments. <i>Quaternary Science Reviews</i> , 2016, 144, 123-131.	1.4	43
122	Crustal-scale fluid circulation and co-seismic shallow comb-veining along the longest normal fault of the central Apennines, Italy. <i>Earth and Planetary Science Letters</i> , 2018, 498, 152-168.	1.8	43
123	Seasonal variability of soil phosphate stable oxygen isotopes in rainfall manipulation experiments. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 4216-4227.	1.6	42
124	Penultimate deglacial warming across the Mediterranean Sea revealed by clumped isotopes in foraminifera. <i>Scientific Reports</i> , 2017, 7, 16572.	1.6	42
125	What do SST proxies really tell us? A high-resolution multiproxy (UK^{37} , TEXH86 and foraminifera $\delta^{18}\text{O}$) study in the Gulf of Taranto, central Mediterranean Sea. <i>Quaternary Science Reviews</i> , 2013, 73, 115-131.	1.4	41
126	Carbon isotope evidence for the timing of the Cretaceous-Palaeogene macrobenthic colonisation at the Agost section (southeast Spain). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2004, 203, 65-72.	1.0	40

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127	Use of high-resolution ichnological and stable isotope data for assessing completeness of a K³P boundary section, Agost, Spain. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2006, 237, 137-146.	1.0	40
128	A method for analyzing the $\delta^{18}\text{O}$ of resin³extractable soil inorganic phosphate. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 624-628.	0.7	40
129	Coupled Mg/Ca and clumped isotope analyses of foraminifera provide consistent water temperatures. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 236, 283-296.	1.6	40
130	Macrofaunal control of microbial community structure in continental margin sediments. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 15911-15922.	3.3	40
131	Decompression and high-temperature³low-pressure metamorphism in the exhumed floor of an extensional basin, Alboran Sea, western Mediterranean. <i>Geology</i> , 1996, 24, 447.	2.0	39
132	Hypogenic contribution to speleogenesis in a predominant epigenic karst system: A case study from the Venetian Alps, Italy. <i>Geomorphology</i> , 2012, 151-152, 156-163.	1.1	39
133	Evidence for atmospheric carbon injection during the end-Permian extinction. <i>Geology</i> , 2013, 41, 579-582.	2.0	39
134	Tectonics, hydrothermalism, and paleoclimate recorded by Quaternary travertines and their spatio-temporal distribution in the Albegna basin, central Italy: Insights on Tyrrhenian margin neotectonics. <i>Lithosphere</i> , 2016, 8, 335-358.	0.6	39
135	Climate³sensitive ecosystem carbon dynamics along the soil chronosequence of the $\delta^{13}\text{C}$ glacier forefield, Switzerland. <i>Global Change Biology</i> , 2012, 18, 1941-1955.	4.2	38
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