Thomas F NÃ¤gler

List of Publications by Year
in descending order

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86	6,951	41344 49	56724 83
papers	citations	h-index	g-index

90	90	90	3737
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Molybdenum isotope records as a potential new proxy for paleoceanography. Earth and Planetary Science Letters, 2003, 211, 159-171.	4.4	464
2	Determination of molybdenum isotope fractionation by double-spike multicollector inductively coupled plasma mass spectrometry. Geochemistry, Geophysics, Geosystems, 2001, 2, n/a-n/a.	2.5	340
3	Evidence for a gradual rise of oxygen between 2.6 and 2.5Ga from Mo isotopes and Re-PGE signatures in shales. Geochimica Et Cosmochimica Acta, 2007, 71, 2417-2435.	3.9	254
4	Sulfidity controls molybdenum isotope fractionation into euxinic sediments: Evidence from the modern Black Sea. Geology, 2008, 36, 775.	4.4	252
5	Hydrogen sulphide release to surface waters at the Precambrian/Cambrian boundary. Nature, 2008, 453, 767-769.	27.8	221
6	Model for kinetic effects on calcium isotope fractionation (Î´44Ca) in inorganic aragonite and cultured planktonic foraminifera. Geochimica Et Cosmochimica Acta, 2003, 67, 1375-1382.	3.9	210
7	Highly metalliferous carbonaceous shale and Early Cambrian seawater. Geology, 2007, 35, 403.	4.4	209
8	Evidence of hydration of the mantle wedge and its role in the exhumation of eclogites. Earth and Planetary Science Letters, 2001, 193, 115-127.	4.4	190
9	Measurement of calcium isotopes () using a multicollector TIMS technique. International Journal of Mass Spectrometry, 2002, 220, 385-397.	1.5	176
10	Molybdenum isotope fractionation in pelagic euxinia: Evidence from the modern Black and Baltic Seas. Chemical Geology, 2011, 289, 1-11.	3.3	174
11	Mo isotope and trace element patterns of Lower Cambrian black shales in South China: Multi-proxy constraints on the paleoenvironment. Chemical Geology, 2012, 318-319, 45-59.	3.3	146
12	Calcium Isotopic Composition of Various Reference Materials and Seawater. Geostandards and Geoanalytical Research, 2003, 27, 13-19.	3.1	144
13	Oceanic molybdenum isotope fractionation: Diagenesis and hydrothermal ridge-flank alteration. Geochemistry, Geophysics, Geosystems, 2002, 3, 1-9.	2.5	140
14	Nd isotopic evolution of the upper mantle during the Precambrian: models, data and the uncertainty of both. Precambrian Research, 1998, 91, 233-252.	2.7	139
15	Evidence for free oxygen in the Neoarchean ocean based on coupled ironâ€“molybdenum isotope fractionation. Geochimica Et Cosmochimica Acta, 2012, 86, 118-137.	3.9	135
16	PGE, Re-Os, and Mo isotope systematics in Archean and early Proterozoic sedimentary systems as proxies for redox conditions of the early Earth. Geochimica Et Cosmochimica Acta, 2005, 69, 1787-1801.	3.9	134
17	Magma differentiation fractionates Mo isotope ratios: Evidence from the Kos Plateau Tuff (Aegean) Tj ETQq1 1 0.784314 rgBT /Overlo	1.4	128
18	TheÎ´44Ca-temperature calibration on fossil and culturedGlobigerinoides sacculifer: New tool for reconstruction of past sea surface temperatures. Geochemistry, Geophysics, Geosystems, 2000, 1, n/a-n/a.	2.5	122

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19	Barium isotope fractionation in the global barium cycle: First evidence from barium minerals and precipitation experiments. Chemical Geology, 2010, 277, 70-77.	3.3	118
20	PGE enrichment in chromitite layers and the Merensky Reef of the western Bushveld Complex; a Reâ€“Os and Rbâ€“Sr isotope study. Earth and Planetary Science Letters, 1999, 172, 49-64.	4.4	117
21	Re-Os, Sm-Nd, U-Pb, and stepwise lead leaching isotope systematics in shear-zone hosted gold mineralization: genetic tracing and age constraints of crustal hydrothermal activity. Geochimica Et Cosmochimica Acta, 1998, 62, 1925-1936.	3.9	105
22	Single mineral dating by the PbPb step-leaching method: Assessing the mechanisms. Geochimica Et Cosmochimica Acta, 1997, 61, 393-414.	3.9	104
23	Molybdenum isotopic composition of modern and Carboniferous carbonates. Chemical Geology, 2009, 265, 488-498.	3.3	103
24	Î´^{98/95}Mo values and Molybdenum Concentration Data for NIST SRM 610, 612 and 3134: Towards a Common Protocol for Reporting Mo Data. Geostandards and Geoanalytical Research, 2012, 36, 291-300.	3.1	98
25	Molybdenum isotopes in late Archean carbonate rocks: Implications for early Earth oxygenation. Precambrian Research, 2010, 182, 70-82.	2.7	97
26	An isotopic and geochemical study of the northern Kaapvaal Craton and the Southern Marginal Zone of the Limpopo Belt: are they juxtaposed terranes?. Lithos, 2000, 50, 1-25.	1.4	96
27	Proposal for an International Molybdenum Isotope Measurement Standard and Data Representation. Geostandards and Geoanalytical Research, 2014, 38, 149-151.	3.1	96
28	Calcium isotope (Î´44/40Ca) variations of Neogene planktonic foraminifera. Paleoceanography, 2005, 20, n/a-n/a.	3.0	94
29	Sedimentary Mo isotope record across the Holocene freshâ€“brackish water transition of the Black Sea. Chemical Geology, 2005, 219, 283-295.	3.3	92
30	The molybdenum isotopic composition in river water: Constraints from small catchments. Earth and Planetary Science Letters, 2011, 304, 180-190.	4.4	90
31	Weathering versus circulation-controlled changes in radiogenic isotope tracer composition of the Labrador Sea and North Atlantic Deep Water. Paleoceanography, 2001, 16, 424-434.	3.0	88
32	Genesis of the Singhbhum Craton, eastern India; implications for Archean crust-mantle evolution of the Earth. Chemical Geology, 2019, 512, 85-106.	3.3	84
33	The impact of igneous bedrock weathering on the Mo isotopic composition of stream waters: Natural samples and laboratory experiments. Geochimica Et Cosmochimica Acta, 2012, 86, 150-165.	3.9	83
34	Proposal for International Agreement on Ca Notation Resulting from Discussions at Workshops on Stable Isotope Measurements Held in Davos (Goldschmidt 2002) and Nice (EGS-AGU-EUG 2003). Geostandards and Geoanalytical Research, 2004, 28, 149-151.	1.9	81
35	Precise Os isotope ratio and Reâ€“Os isotope dilution measurements down to the picogram level using multicollector inductively coupled plasma mass spectrometry. International Journal of Mass Spectrometry, 2000, 197, 85-94.	1.5	80
36	A critical assessment of mollusk 18O/16O, Mg/Ca, and 44Ca/40Ca ratios as proxies for Cretaceous seawater temperature seasonality. Palaeogeography, Palaeoclimatology, Palaeoecology, 2005, 215, 221-237.	2.3	80

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37	Komatiites constrain molybdenum isotope composition of the Earth's mantle. Earth and Planetary Science Letters, 2015, 421, 129-138.	4.4	79
38	Reconstruction of Caribbean Sea surface temperature and salinity fluctuations in response to the Pliocene closure of the Central American Gateway and radiative forcing, using Î´44/40Ca, Î´18O and Mg/Ca ratios. Earth and Planetary Science Letters, 2004, 227, 201-214.	4.4	71
39	Tropical Atlantic SST history inferred from Ca isotope thermometry over the last 140ka. Geochimica Et Cosmochimica Acta, 2006, 70, 90-100.	3.9	71
40	Magmaticâ€“hydrothermal molybdenum isotope fractionation and its relevance to the igneous crustal signature. Lithos, 2014, 190-191, 104-110.	1.4	71
41	Growth of subcontinental lithospheric mantle beneath Zimbabwe started at or before 3.8 Ga: Re-Os study on chromites. Geology, 1997, 25, 983.	4.4	69
42	Barium isotope fractionation during witherite (BaCO3) dissolution, precipitation and at equilibrium. Geochimica Et Cosmochimica Acta, 2016, 190, 72-84.	3.9	69
43	Lithostratigraphy and geochronology of the Neoproterozoic crystalline basement of Salalah, Dhofar, Sultanate of Oman. Precambrian Research, 2006, 145, 182-206.	2.7	61
44	Mo isotope composition in Mo-rich high- and low-T hydrothermal systems from the Swiss Alps. Geochimica Et Cosmochimica Acta, 2011, 75, 6600-6609.	3.9	56
45	Conventional and ion-microprobe U-Pb dating of detrital zircons of the Tentudï¿½a Group (Serie Negra,) Tj ETQq1 1 0.784314 rgBT /Ov boundary. Contributions To Mineralogy and Petrology, 1993, 113, 289-299.	3.1	55
46	Evolution of the Western European continental crust: implications from Nd and Pb isotopes in Iberian sediments. Chemical Geology, 1995, 121, 345-357.	3.3	53
47	Combined Chemical Separation of Lu, Hf, Sm, Nd, and REEs from a Single Rock Digest:Â Precise and Accurate Isotope Determinations of Luâ^'Hf and Smâ^'Nd Using Multicollector-ICPMS. Analytical Chemistry, 2002, 74, 67-73.	6.5	53
48	Direct measurement of 44Ca/40Ca ratios by MCâ€“ICPâ€“MS using the cool plasma technique. Chemical Geology, 2004, 206, 11-20.	3.3	51
49	Tracing the Indian Ocean Mantle Domain Through Time: Isotopic Results from Old West Indian, East Tethyan, and South Pacific Seafloor. Journal of Petrology, 1998, 39, 1285-1306.	2.8	49
50	Atypical Mo isotope signatures in eastern Mediterranean sediments. Chemical Geology, 2007, 245, 1-8.	3.3	48
51	In pursuit of the 40K branching ratios: K-Ca and 39Arâ€“40Ar dating of gem silicates. Chemical Geology, 2000, 169, 5-16.	3.3	47
52	The behaviour of Nd and Pb isotopes during 2.0 Ga migmatization in paragneisses of the Central Zone of the Limpopo Belt (South Africa and Botswana). Precambrian Research, 2001, 112, 51-86.	2.7	44
53	Pelagic molybdenum concentration anomalies and the impact of sediment resuspension on the molybdenum budget in two tidal systems of the North Sea. Geochimica Et Cosmochimica Acta, 2013, 119, 198-211.	3.9	44
54	Constraints on barium isotope fractionation during aragonite precipitation by corals. Depositional Record, 2015, 1, 118-129.	1.7	44

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55	Barium isotope fractionation during experimental formation of the double carbonate BaMn[CO₃]₂at ambient temperature. Isotopes in Environmental and Health Studies, 2012, 48, 457-463.	1.0	42
56	Barium Isotopic Compositions of Geological Reference Materials. Geostandards and Geoanalytical Research, 2016, 40, 543-558.	3.1	41
57	Experimental determination of barium isotope fractionation during diffusion and adsorption processes at low temperatures. Geochimica Et Cosmochimica Acta, 2016, 186, 226-241.	3.9	41
58	Trace-element and multi-isotope geochemistry of Late-Archean black shales in the CarajÃ¡s iron-ore district, Brazil. Chemical Geology, 2013, 362, 91-104.	3.3	40
59	Osmium and lead isotopes of rare OsIrRu minerals: derivation from the coreâ€“mantle boundary region?. Earth and Planetary Science Letters, 1999, 170, 83-92.	4.4	38
60	The Source of the Great Dyke, Zimbabwe, and Its Tectonic Significance: Evidence from Reâ€Os Isotopes. Journal of Geology, 2003, 111, 565-578.	1.4	36
61	Reî—¸Os, Smî—¸Nd, and rare earth element evidence for Proterozoic oceanic and possible subcontinental lithosphere in tectonized ultramafic lenses from the Swiss Alps. Geochimica Et Cosmochimica Acta, 1996, 60, 2583-2593.	3.9	28
62	Barium isotope fractionation during the experimental transformation of aragonite to witherite and of gypsum to barite, and the effect of ion (de)solvation. Isotopes in Environmental and Health Studies, 2018, 54, 324-335.	1.0	28
63	Migmatization by metamorphic segregation at subsolidus conditions: implications for Ndâ€“Pb isotope exchange. Lithos, 1999, 46, 275-298.	1.4	27
64	Stable isotope profiles (Ca, O, C) through modern brachiopod shells of T. septentrionalis and G. vitreus: Implications for calcium isotope paleo-ocean chemistry. Chemical Geology, 2010, 269, 210-219.	3.3	27
65	High precision determination of the terrestrial 40K abundance. Geochimica Et Cosmochimica Acta, 2013, 122, 353-362.	3.9	27
66	A Sm-Nd isochron on pelites 1 Ga in excess of their depositional age and its possible significance. Geochimica Et Cosmochimica Acta, 1992, 56, 789-795.	3.9	24
67	Global perturbation of the marine Ca isotopic composition in the aftermath of the Marinoan global glaciation. Precambrian Research, 2010, 182, 373-381.	2.7	24
68	Initial isotopic heterogeneity and secondary disturbance of the Smî—¸Nd system in fluorites and fluid inclusions: A study on mesothermal veins from the central and western Swiss Alps. Chemical Geology, 1995, 125, 241-248.	3.3	22
69	Global Ca isotope variations in c. 0.7â€ƒGa old post-glacial carbonate successions. Terra Nova, 2010, 22, 188-194.	2.1	22
70	Mo isotopic composition of the mid-Neoproterozoic ocean: An iron formation perspective. Precambrian Research, 2013, 230, 168-178.	2.7	20
71	Dating synmagmatic folds: a case study of Schlingen structures in the Strona-Ceneri Zone (Southern) Tj ETQq1 1 0.784314 rgBT /Ove	3.4	19
72	Multi-isotope (Ba, C, O) partitioning during experimental carbonatization of a hyper-alkaline solution. Chemie Der Erde, 2018, 78, 241-247.	2.0	19

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73	TIMS measurements of full range of natural Ca isotopes with internally consistent fractionation correction. International Journal of Mass Spectrometry, 2015, 387, 60-68.	1.5	17
74	Priscoan (4.00â€“4.03 Ga) orthogneisses from northwestern Canada - by Samuel A. Bowring and Ian S. Williams: discussion. Contributions To Mineralogy and Petrology, 2001, 141, 248-250.	3.1	14
75	Experimental dissolution of molybdenumâ€sulphides at low oxygen concentrations: A firstâ€order approximation of late Archean atmospheric conditions. Earth and Space Science, 2015, 2, 173-180.	2.6	13
76	True K-feldspar granites in oceanic crust (Masirah ophiolite, Sultanate of Oman): A Uî—¸Pb and Smî—¸Nd isotope study. Chemical Geology, 1997, 138, 119-126.	3.3	12
77	Constraining the 40K decay constant with 87Rb-87Sr â€“ 40K-40Ca chronometer intercomparison. Geochimica Et Cosmochimica Acta, 2018, 220, 235-247.	3.9	11
78	Ultra-trace Element Characterization of the Central Ottawa River Basin using a Rapid, Flexible, and Low-volume ICP-MS Method. Aquatic Geochemistry, 2020, 26, 327-374.	1.3	10
79	Efficient N-TIMS rhenium isotope measurements on outgassed tantalum filaments: very low filament blanks determined by a â€œstandard additionâ€•approach. International Journal of Mass Spectrometry and Ion Processes, 1996, 153, L7-L10.	1.8	7
80	Comment on â€œthe Nd and Hf isotopic evolution of the mantle through the Archean: Results from the Isua supracrustals, West Greenland, and from the birimian terranes of West Africaâ€•by Blichert-Toft et al. (1999). Geochimica Et Cosmochimica Acta, 2001, 65, 2017-2021.	3.9	7
81	A new approach for the determination of the age of partial or complete homogenization of Pb isotopes â€” Example: anchimetamorphic, detrital sediments of the Central Iberian Zone, Spain. Chemical Geology, 1993, 107, 191-199.	3.3	5
82	Wille et al. reply. Nature, 2009, 459, E6-E6.	27.8	3
83	Selenium isotope analysis by N-TIMS: Potential and challenges. International Journal of Mass Spectrometry, 2016, 401, 55-63.	1.5	3
84	A new approach for the determination of age of a partial or complete homogenisation of Pb isotopes â€” Example: anchimetamorphic, detrital sediments of the Central Iberian Zone, Spain â€” Reply. Chemical Geology, 1994, 112, 194-195.	3.3	0
85	Highlights of Analytical Chemistry in Switzerland: Mass Extinction and Mass Spectrometry: Pursuing the Fate of the Earliest Multicellulars. Chimia, 2008, 62, 981-981.	0.6	0
86	Age disequilibrium between zircon and their granitoid hosts caused by intracrustal reworking: Nd-Hf-Ar isotope evidence of Archaean Granitoids from Barberton Mountain Land (Kaapvaal craton,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5		0