Anton Eisenhauer

List of Publications by Year
in descending order

85	4,310	87888 38	114465 63
papers	citations	h-index	g-index

98	98	98	4365
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Sr2+/Ca2+ and 44Ca/40Ca fractionation during inorganic calcite formation: II. Ca isotopes. Geochimica Et Cosmochimica Acta, 2008, 72, 3733-3745.	3.9	237
2	Calcium isotope record of Phanerozoic oceans: Implications for chemical evolution of seawater and its causative mechanisms. Geochimica Et Cosmochimica Acta, 2007, 71, 5117-5134.	3.9	211
3	Oxygen isotope fractionation in marine aragonite of coralline sponges. Geochimica Et Cosmochimica Acta, 2000, 64, 1695-1703.	3.9	194
4	Rapid sea-level rise and reef back-stepping at the close of the last interglacial highstand. Nature, 2009, 458, 881-884.	27.8	192
5	Separation of Mg, Ca and Fe from geological reference materials for stable isotope ratio analyses by MC-ICP-MS and double-spike TIMS. Journal of Analytical Atomic Spectrometry, 2009, 24, 627.	3.0	150
6	Calcium isotope fractionation in modern scleractinian corals. Geochimica Et Cosmochimica Acta, 2006, 70, 4452-4462.	3.9	125
7	GSD-1G and MPI-DING Reference Glasses for In Situ and Bulk Isotopic Determination. Geostandards and Geoanalytical Research, 2011, 35, 193-226.	3.1	122
8	Determination of radiogenic and stable strontium isotope ratios (87Sr/86Sr; Î´88/86Sr) by thermal ionization mass spectrometry applying an 87Sr/84Sr double spike. Journal of Analytical Atomic Spectrometry, 2009, 24, 1267.	3.0	120
9	Effects of seawater pCO2 and temperature on shell growth, shell stability, condition and cellular stress of Western Baltic Sea Mytilus edulis (L.) and Arctica islandica (L.). Marine Biology, 2013, 160, 2073-2087.	1.5	118
10	Strontium isotope fractionation of planktic foraminifera and inorganic calcite. Geochimica Et Cosmochimica Acta, 2012, 93, 300-314.	3.9	108
11	Calcium Isotopes (Î´^{44/40}Ca) in MPIâ€ÐING Reference Glasses, USGS Rock Powders and Various Rocks: Evidence for Ca Isotope Fractionation in Terrestrial Silicates. Geostandards and Geoanalytical Research, 2009, 33, 231-247.	3.1	103
12	The Phanerozoic Î´88/86Sr record of seawater: New constraints on past changes in oceanic carbonate fluxes. Geochimica Et Cosmochimica Acta, 2014, 128, 249-265.	3.9	101
13	Stable strontium isotopes (Î´88/86Sr) in cold-water corals â€" A new proxy for reconstruction of intermediate ocean water temperatures. Earth and Planetary Science Letters, 2008, 269, 570-575.	4.4	98
14	Cellular calcium pathways and isotope fractionation in Emiliania huxleyi. Geology, 2006, 34, 625.	4.4	91
15	Influence of brine formation on Arctic Ocean circulation over the past 15 million years. Nature Geoscience, 2008, 1, 68-72.	12.9	85
16	Calcium isotope (Î´44/40Ca) fractionation along hydrothermal pathways, Logatchev field (Mid-Atlantic) Tj ETQq0 0 0 rgBT /Overlock 10 T	3.9	85
17	A pilot study on the use of natural calcium isotope (44Ca/40Ca) fractionation in urine as a proxy for the human body calcium balance. Bone, 2010, 46, 889-896.	2.9	84
18	Permianâ€"Triassic mass extinction pulses driven by major marine carbon cycle perturbations. Nature Geoscience, 2020, 13, 745-750.	12.9	78

#	Article	IF	Citations
19	The Calcium Isotope Composition (Î´^{44/40}Ca) of NIST SRM 915b and NIST SRM 1486. Geostandards and Geoanalytical Research, 2008, 32, 311-315.	3.1	75
20	Cold seep carbonates and associated cold-water corals at the Hikurangi Margin, New Zealand: New insights into fluid pathways, growth structures and geochronology. Marine Geology, 2010, 272, 307-318.	2.1	72
21	Calcium carbonate veins in ocean crust record a threefold increase of seawater Mg/Ca in the past 30 million years. Earth and Planetary Science Letters, 2013, 362, 215-224.	4.4	66
22	Boron isotope ratio determination in carbonates via LA-MC-ICP-MS using soda-lime glass standards as reference material. Journal of Analytical Atomic Spectrometry, 2010, 25, 1953.	3.0	60
23	Sr/Ca ratios and oxygen isotopes from sclerosponges: Temperature history of the Caribbean mixed layer and thermocline during the Little Ice Age. Paleoceanography, 2003, 18, n/a-n/a.	3.0	59
24	The role of benthic foraminifera in the benthic nitrogen cycle of the Peruvian oxygen minimum zone. Biogeosciences, 2013, 10, 4767-4783.	3.3	59
25	Calcium and strontium isotope fractionation in aqueous solutions as a function of temperature and reaction rate; I. Calcite. Geochimica Et Cosmochimica Acta, 2017, 209, 296-319.	3.9	59
26	Influences on the fractionation of calcium isotopes in planktonic foraminifera. Earth and Planetary Science Letters, 2008, 268, 124-136.	4.4	58
27	Calcium isotope fractionation during coccolith formation inEmiliania huxleyi:Independence of growth and calcification rate. Geochemistry, Geophysics, Geosystems, 2007, 8, n/a-n/a.	2.5	57
28	Groundwater discharge impacts marine isotope budgets of Li, Mg, Ca, Sr, and Ba. Nature Communications, 2021, 12, 148.	12.8	55
29	Calcium and strontium isotope fractionation during precipitation from aqueous solutions as a function of temperature and reaction rate; II. Aragonite. Geochimica Et Cosmochimica Acta, 2017, 209, 320-342.	3.9	53
30	Century-scale trends and seasonality in pH and temperature for shallow zones of the Bering Sea. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 2960-2965.	7.1	52
31	Ocean acidification during the early Toarcian extinction event: Evidence from boron isotopes in brachiopods. Geology, 2020, 48, 1184-1188.	4.4	51
32	Reassessing Mg/Ca temperature calibrations of Neogloboquadrina pachyderma (sinistral) using paired Î´^{44/40}Ca and Mg/Ca measurements. Geochemistry, Geophysics, Geosystems, 2009, 10, .	2.5	48
33	Conditions of Mytilus edulis extracellular body fluids and shell composition in a pHâ€treatment experiment: Acidâ€base status, trace elements and Î´¹¹B. Geochemistry, Geophysics, Geosystems, 2012, 13, .	2.5	48
34	Environmental boundary conditions of cold-water coral mound growth over the last 3 million years in the Porcupine Seabight, Northeast Atlantic. Deep-Sea Research Part II: Topical Studies in Oceanography, 2014, 99, 227-236.	1.4	43
35	Variability of carbonate diagenesis in equatorial Pacific sediments deduced from radiogenic and stable Sr isotopes. Geochimica Et Cosmochimica Acta, 2015, 148, 360-377.	3.9	42
36	A critical evaluation of calcium isotope ratios in tests of planktonic foraminifers. Geochimica Et Cosmochimica Acta, 2009, 73, 7241-7255.	3.9	41

#	Article	IF	Citations
37	A simplified procedure for the determination of stable chlorine isotope ratios (Î´37Cl) using LA-MC-ICP-MS. Journal of Analytical Atomic Spectrometry, 2008, 23, 769.	3.0	40
38	Impact of diagenetic alteration on brachiopod shell magnesium isotope (Î´26Mg) signatures: Experimental versus field data. Chemical Geology, 2016, 440, 191-206.	3.3	40
39	I/Ca ratios in benthic foraminifera from the Peruvian oxygen minimum zone: analytical methodology and evaluation as a proxy for redox conditions. Biogeosciences, 2014, 11, 7077-7095.	3.3	39
40	Experimental investigation of Ca isotopic fractionation during abiotic gypsum precipitation. Geochimica Et Cosmochimica Acta, 2014, 129, 157-176.	3.9	39
41	Effects of ocean acidification on the marine calcium isotope record at the Paleoceneâ€“Eocene Thermal Maximum. Earth and Planetary Science Letters, 2015, 419, 81-92.	4.4	36
42	Salinity change in the subtropical Atlantic: Secular increase and teleconnections to the North Atlantic Oscillation. Geophysical Research Letters, 2005, 32, .	4.0	33
43	Influence of temperature and CO₂ on the strontium and magnesium composition of coccolithophore calcite. Biogeosciences, 2014, 11, 1065-1075.	3.3	33
44	The influence of seawater pH on U / Ca ratios in the scleractinian cold-water coral <i>Lophelia pertusa</i>. Biogeosciences, 2014, 11, 1863-1871.	3.3	33
45	Environmental constraints on Holocene coldâ€water coral reef growth off Norway: Insights from a multiproxy approach. Paleoceanography, 2016, 31, 1350-1367.	3.0	33
46	Biological fractionation of stable Ca isotopes in GÃ¶ttingen minipigs as a physiological model for Ca homeostasis in humans. Isotopes in Environmental and Health Studies, 2016, 52, 633-648.	1.0	32
47	88Sr/86Sr fractionation in inorganic aragonite and in corals. Geochimica Et Cosmochimica Acta, 2016, 178, 268-280.	3.9	32
48	A 35-million-year record of seawater stable Sr isotopes reveals a fluctuating global carbon cycle. Science, 2021, 371, 1346-1350.	12.6	31
49	Calcite fibre formation in modern brachiopod shells. Scientific Reports, 2019, 9, 598.	3.3	29
50	The Ca isotopic composition of dust-producing regions: Measurements of surface sediments in the Black Rock Desert, Nevada. Geochimica Et Cosmochimica Acta, 2012, 87, 178-193.	3.9	28
51	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
52	Strontium isotope fractionation during strontianite (SrCO3) dissolution, precipitation and at equilibrium. Geochimica Et Cosmochimica Acta, 2017, 218, 201-214.	3.9	27
53	Boron isotope systematics of cultured brachiopods: Response to acidification, vital effects and implications for palaeo-pH reconstruction. Geochimica Et Cosmochimica Acta, 2019, 248, 370-386.	3.9	27
54	Modification of Ca isotope and trace metal composition of the major matrices involved in shell formation of ‹i›Mytilus edulis‹/i›. Geochemistry, Geophysics, Geosystems, 2008, 9, .	2.5	24

#	Article	IF	Citations
55	Seawater calcium isotope ratios across the Eocene-Oligocene transition. Geology, 2011, 39, 683-686.	4.4	24
56	Early stage weathering systematics of Pb and Nd isotopes derived from a high-Alpine Holocene lake sediment record. Chemical Geology, 2019, 507, 42-53.	3.3	23
57	Multi-proxy approach (2H/H, 18O/16O, 13C/12C and 87Sr/86Sr) for the evolution of carbonate-rich groundwater in basalt dominated aquifer of Axum area, northern Ethiopia. Chemie Der Erde, 2011, 71, 177-187.	2.0	22
58	Discovery of Miocene to early Pleistocene deposits on Mayaguana, Bahamas: Evidence for recent active tectonism on the North American margin. Geology, 2011, 39, 523-526.	4.4	21
59	Constraining mid to late Holocene relative sea level change in the southern equatorial Pacific Ocean relative to the Society Islands, French Polynesia. Geochemistry, Geophysics, Geosystems, 2014, 15, 2601-2615.	2.5	21
60	No detectable Weddell Sea Antarctic Bottom Water export during the Last and Penultimate Glacial Maximum. Nature Communications, 2020, 11, 424.	12.8	21
61	Constraining calcium isotope fractionation (Î´44/40Ca) in modern and fossil scleractinian coral skeleton. Chemical Geology, 2013, 340, 49-58.	3.3	20
62	Organic Heterogeneities in Foraminiferal Calcite Traced Through the Distribution of N, S, and I Measured With NanoSIMS: A New Challenge for Element-Ratio-Based Paleoproxies?. Frontiers in Earth Science, 2019, 7, .	1.8	20
63	Naturally Occurring Stable Calcium Isotope Ratios in Body Compartments Provide a Novel Biomarker of Bone Mineral Balance in Children and Young Adults. Journal of Bone and Mineral Research, 2020, 36, 133-142.	2.8	20
64	Late Quaternary barrier and fringing reef development of Bora Bora (Society Islands, south Pacific): First subsurface data from the Darwinâ€type barrierâ€reef system. Sedimentology, 2016, 63, 1522-1549.	3.1	19
65	Combining metal and nonmetal isotopic measurements in barite to identify mode of formation. Chemical Geology, 2018, 500, 148-158.	3.3	19
66	Peruvian sediments as recorders of an evolving hiatus for the last 22 thousand years. Quaternary Science Reviews, 2016, 137, 1-14.	3.0	18
67	Jurassic break-up of the Peri-Gondwanan margin in northern Colombia: Basin formation and implications for terrane transfer. Journal of South American Earth Sciences, 2019, 89, 92-117.	1.4	18
68	A Giant Underwater, Encrusted Stalactite from the Blue Hole, Lighthouse Reef, Belize, Revisited: a Complex History of Biologically Induced Carbonate Accretion Under Changing Meteoric and Marine Conditions. Journal of Sedimentary Research, 2017, 87, 1260-1284.	1.6	16
69	Hydrothermal alteration of aragonitic biocarbonates: assessment of micro- and nanostructural dissolutionâ€“reprecipitation and constraints of diagenetic overprint from quantitative statistical grain-area analysis. Biogeosciences, 2018, 15, 7451-7484.	3.3	16
70	Biodiversity of foraminifera from Late Pleistocene to Holocene coral reefs, South Sinai, Egypt. Marine Micropaleontology, 2012, 86-87, 59-75.	1.2	15
71	Impact of salinity and carbonate saturation on stable Sr isotopes (Î´88/86Sr) in a lagoon-estuarine system. Geochimica Et Cosmochimica Acta, 2021, 293, 461-476.	3.9	15
72	The influence of skeletal micro-structures on potential proxy records in a bamboo coral. Geochimica Et Cosmochimica Acta, 2019, 248, 43-60.	3.9	14

#	Article	IF	Citations
73	Holocene and Pleistocene fringing reef growth and the role of accommodation space and exposure to waves and currents (Bora Bora, Society Islands, French Polynesia). Sedimentology, 2019, 66, 305-328.	3.1	10
74	Disentangling the biological and environmental control of M. edulis shell chemistry. Geochemistry, Geophysics, Geosystems, 2011, 12, .	2.5	9
75	Constraining initial 230Th activity in incrementally deposited, biogenic aragonite from the Bahamas. Geochimica Et Cosmochimica Acta, 2007, 71, 4025-4035.	3.9	8
76	An improved approach investigating epithelial ion transport in scleractinian corals. Limnology and Oceanography: Methods, 2017, 15, 753-765.	2.0	8
77	Observational and Model Evidence for an Important Role for Volcanic Forcing Driving Atlantic Multidecadal Variability Over the Last 600ÂYears. Geophysical Research Letters, 2020, 47, e2020GL089428.	4.0	8
78	Endolithic Algae Affect Modern Coral Carbonate Morphology and Chemistry. Frontiers in Earth Science, 2019, 7, .	1.8	7
79	Incorporation of minor and trace elements into cultured brachiopods: Implications for proxy application with new insights from a biomineralisation model. Geochimica Et Cosmochimica Acta, 2020, 286, 418-440.	3.9	6
80	Early effects of androgen deprivation on bone and mineral homeostasis in adult men: a prospective cohort study. European Journal of Endocrinology, 2020, 183, 181-189.	3.7	6
81	Electrophysiological evidence for light-activated cation transport in calcifying corals. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20182444.	2.6	4
82	Palaeoecology of well-preserved coral communities in a siliciclastic environment from the Late Pleistocene (MIS 7), Kish Island, Persian Gulf (Iran): the development of low-relief reef frameworks (biostromes) in increasingly restricted environments. International Journal of Earth Sciences, 2013, 102, 545-570.	1.8	3
83	Last interglacial reef facies and late Quaternary subsidence in the Maldives, Indian Ocean. Marine Geology, 2018, 406, 34-41.	2.1	3
84	Early Diagenetic Imprint on Temperature Proxies in Holocene Corals: A Case Study From French Polynesia. Frontiers in Earth Science, 2020, 8, .	1.8	2
85	MO055STABLE CALCIUM ISOTOPES: A NOVEL BIOMARKER OF BONE MINERAL CONTENT IN PATIENTS WITH CHRONIC KIDNEY DISEASE. Nephrology Dialysis Transplantation, 2020, 35, .	0.7	1