

Anton Eisenhauer

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5685816/publications.pdf>

Version: 2024-02-01

85
papers

4,310
citations

87888

38
h-index

114465

63
g-index

98
all docs

98
docs citations

98
times ranked

4365
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of salinity and carbonate saturation on stable Sr isotopes ($^{88}/^{86}\text{Sr}$) in a lagoon-estuarine system. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 293, 461-476.	3.9	15
2	Groundwater discharge impacts marine isotope budgets of Li, Mg, Ca, Sr, and Ba. <i>Nature Communications</i> , 2021, 12, 148.	12.8	55
3	A 35-million-year record of seawater stable Sr isotopes reveals a fluctuating global carbon cycle. <i>Science</i> , 2021, 371, 1346-1350.	12.6	31
4	MO055STABLE CALCIUM ISOTOPES: A NOVEL BIOMARKER OF BONE MINERAL CONTENT IN PATIENTS WITH CHRONIC KIDNEY DISEASE. <i>Nephrology Dialysis Transplantation</i> , 2020, 35, .	0.7	1
5	Permian–Triassic mass extinction pulses driven by major marine carbon cycle perturbations. <i>Nature Geoscience</i> , 2020, 13, 745-750.	12.9	78
6	Observational and Model Evidence for an Important Role for Volcanic Forcing Driving Atlantic Multidecadal Variability Over the Last 600 Years. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL089428.	4.0	8
7	Incorporation of minor and trace elements into cultured brachiopods: Implications for proxy application with new insights from a biomineralisation model. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 286, 418-440.	3.9	6
8	Early Diagenetic Imprint on Temperature Proxies in Holocene Corals: A Case Study From French Polynesia. <i>Frontiers in Earth Science</i> , 2020, 8, .	1.8	2
9	Ocean acidification during the early Toarcian extinction event: Evidence from boron isotopes in brachiopods. <i>Geology</i> , 2020, 48, 1184-1188.	4.4	51
10	Early effects of androgen deprivation on bone and mineral homeostasis in adult men: a prospective cohort study. <i>European Journal of Endocrinology</i> , 2020, 183, 181-189.	3.7	6
11	No detectable Weddell Sea Antarctic Bottom Water export during the Last and Penultimate Glacial Maximum. <i>Nature Communications</i> , 2020, 11, 424.	12.8	21
12	Naturally Occurring Stable Calcium Isotope Ratios in Body Compartments Provide a Novel Biomarker of Bone Mineral Balance in Children and Young Adults. <i>Journal of Bone and Mineral Research</i> , 2020, 36, 133-142.	2.8	20
13	Holocene and Pleistocene fringing reef growth and the role of accommodation space and exposure to waves and currents (Bora Bora, Society Islands, French Polynesia). <i>Sedimentology</i> , 2019, 66, 305-328.	3.1	10
14	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?. <i>Frontiers in Earth Science</i> , 2019, 7, .	1.8	20
15	The influence of skeletal micro-structures on potential proxy records in a bamboo coral. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 248, 43-60.	3.9	14
16	Calcite fibre formation in modern brachiopod shells. <i>Scientific Reports</i> , 2019, 9, 598.	3.3	29
17	Electrophysiological evidence for light-activated cation transport in calcifying corals. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20182444.	2.6	4
18	Endolithic Algae Affect Modern Coral Carbonate Morphology and Chemistry. <i>Frontiers in Earth Science</i> , 2019, 7, .	1.8	7

#	ARTICLE	IF	CITATIONS
19	Jurassic break-up of the Peri-Gondwanan margin in northern Colombia: Basin formation and implications for terrane transfer. <i>Journal of South American Earth Sciences</i> , 2019, 89, 92-117.	1.4	18
20	Early stage weathering systematics of Pb and Nd isotopes derived from a high-Alpine Holocene lake sediment record. <i>Chemical Geology</i> , 2019, 507, 42-53.	3.3	23
21	Boron isotope systematics of cultured brachiopods: Response to acidification, vital effects and implications for palaeo-pH reconstruction. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 248, 370-386.	3.9	27
22	Hydrothermal alteration of aragonitic biocarbonates: assessment of micro- and nanostructural dissolution–reprecipitation and constraints of diagenetic overprint from quantitative statistical grain-area analysis. <i>Biogeosciences</i> , 2018, 15, 7451-7484.	3.3	16
23	Combining metal and nonmetal isotopic measurements in barite to identify mode of formation. <i>Chemical Geology</i> , 2018, 500, 148-158.	3.3	19
24	Last interglacial reef facies and late Quaternary subsidence in the Maldives, Indian Ocean. <i>Marine Geology</i> , 2018, 406, 34-41.	2.1	3
25	Calcium and strontium isotope fractionation in aqueous solutions as a function of temperature and reaction rate; I. Calcite. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 209, 296-319.	3.9	59
26	Calcium and strontium isotope fractionation during precipitation from aqueous solutions as a function of temperature and reaction rate; II. Aragonite. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 209, 320-342.	3.9	53
27	Strontium isotope fractionation during strontianite (SrCO ₃) dissolution, precipitation and at equilibrium. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 218, 201-214.	3.9	27
28	An improved approach investigating epithelial ion transport in scleractinian corals. <i>Limnology and Oceanography: Methods</i> , 2017, 15, 753-765.	2.0	8
29	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. <i>Journal of Sedimentary Research</i> , 2017, 87, 1260-1284.	1.6	16
30	Late Quaternary barrier and fringing reef development of Bora Bora (Society Islands, south Pacific): First subsurface data from the Darwin-type barrier reef system. <i>Sedimentology</i> , 2016, 63, 1522-1549.	3.1	19
31	Impact of diagenetic alteration on brachiopod shell magnesium isotope ($\delta^{26}\text{Mg}$) signatures: Experimental versus field data. <i>Chemical Geology</i> , 2016, 440, 191-206.	3.3	40
32	Environmental constraints on Holocene cold-water coral reef growth off Norway: Insights from a multiproxy approach. <i>Paleoceanography</i> , 2016, 31, 1350-1367.	3.0	33
33	Biological fractionation of stable Ca isotopes in <i>Göttingen</i> minipigs as a physiological model for Ca homeostasis in humans. <i>Isotopes in Environmental and Health Studies</i> , 2016, 52, 633-648.	1.0	32
34	Peruvian sediments as recorders of an evolving hiatus for the last 22 thousand years. <i>Quaternary Science Reviews</i> , 2016, 137, 1-14.	3.0	18
35	$^{88}\text{Sr}/^{86}\text{Sr}$ fractionation in inorganic aragonite and in corals. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 178, 268-280.	3.9	32
36	Variability of carbonate diagenesis in equatorial Pacific sediments deduced from radiogenic and stable Sr isotopes. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 148, 360-377.	3.9	42

#	ARTICLE	IF	CITATIONS
37	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
38	Effects of ocean acidification on the marine calcium isotope record at the Paleocene–Eocene Thermal Maximum. Earth and Planetary Science Letters, 2015, 419, 81-92.	4.4	36
39	Influence of temperature and CO ₂ on the strontium and magnesium composition of coccolithophore calcite. Biogeosciences, 2014, 11, 1065-1075.	3.3	33
40	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
41	U/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
42	The Phanerozoic 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
43	Experimental investigation of Ca isotopic fractionation during abiotic gypsum precipitation. Geochimica Et Cosmochimica Acta, 2014, 129, 157-176.	3.9	39
44	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
45	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
46	Effects of seawater pCO ₂ and temperature on shell growth, shell stability, condition and cellular stress of Western Baltic Sea <i>Mytilus edulis</i> (L.) and <i>Arctica islandica</i> (L.). Marine Biology, 2013, 160, 2073-2087.	1.5	118
47	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
48	Constraining calcium isotope fractionation (⁴⁴ /40Ca) in modern and fossil scleractinian coral skeleton. Chemical Geology, 2013, 340, 49-58.	3.3	20
49	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
50	The role of benthic foraminifera in the benthic nitrogen cycle of the Peruvian oxygen minimum zone. Biogeosciences, 2013, 10, 4767-4783.	3.3	59
51	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
52	Strontium isotope fractionation of planktic foraminifera and inorganic calcite. Geochimica Et Cosmochimica Acta, 2012, 93, 300-314.	3.9	108
53	Conditions of <i>Mytilus edulis</i> extracellular body fluids and shell composition in a pH-treatment experiment: Acid-base status, trace elements and ¹¹ B. Geochemistry, Geophysics, Geosystems, 2012, 13, .	2.5	48
54	Biodiversity of foraminifera from Late Pleistocene to Holocene coral reefs, South Sinai, Egypt. Marine Micropaleontology, 2012, 86-87, 59-75.	1.2	15

#	ARTICLE	IF	CITATIONS
55	Disentangling the biological and environmental control of <i>M. edulis</i> shell chemistry. <i>Geochemistry, Geophysics, Geosystems</i> , 2011, 12, .	2.5	9
56	Multi-proxy approach ($2\text{H}/\text{H}$, $18\text{O}/16\text{O}$, $13\text{C}/12\text{C}$ and $87\text{Sr}/86\text{Sr}$) for the evolution of carbonate-rich groundwater in basalt dominated aquifer of Axum area, northern Ethiopia. <i>Chemie Der Erde</i> , 2011, 71, 177-187.	2.0	22
57	GSD-1G and MPI-DING Reference Glasses for In Situ and Bulk Isotopic Determination. <i>Geostandards and Geoanalytical Research</i> , 2011, 35, 193-226.	3.1	122
58	Seawater calcium isotope ratios across the Eocene-Oligocene transition. <i>Geology</i> , 2011, 39, 683-686.	4.4	24
59	Discovery of Miocene to early Pleistocene deposits on Mayaguana, Bahamas: Evidence for recent active tectonism on the North American margin. <i>Geology</i> , 2011, 39, 523-526.	4.4	21
60	Cold seep carbonates and associated cold-water corals at the Hikurangi Margin, New Zealand: New insights into fluid pathways, growth structures and geochronology. <i>Marine Geology</i> , 2010, 272, 307-318.	2.1	72
61	A pilot study on the use of natural calcium isotope ($44\text{Ca}/40\text{Ca}$) fractionation in urine as a proxy for the human body calcium balance. <i>Bone</i> , 2010, 46, 889-896.	2.9	84
62	Stable isotope profiles (Ca, O, C) through modern brachiopod shells of <i>T. septentrionalis</i> and <i>G. vitreus</i> : Implications for calcium isotope paleo-ocean chemistry. <i>Chemical Geology</i> , 2010, 269, 210-219.	3.3	27
63	Boron isotope ratio determination in carbonates via LA-MC-ICP-MS using soda-lime glass standards as reference material. <i>Journal of Analytical Atomic Spectrometry</i> , 2010, 25, 1953.	3.0	60
64	Rapid sea-level rise and reef back-stepping at the close of the last interglacial highstand. <i>Nature</i> , 2009, 458, 881-884.	27.8	192
65	Calcium Isotopes ($^{44}\text{Ca}/^{40}\text{Ca}$) in MPI-DING Reference Glasses, USGS Rock Powders and Various Rocks: Evidence for Ca Isotope Fractionation in Terrestrial Silicates. <i>Geostandards and Geoanalytical Research</i> , 2009, 33, 231-247.	3.1	103
66	A critical evaluation of calcium isotope ratios in tests of planktonic foraminifers. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 7241-7255.	3.9	41
67	Separation of Mg, Ca and Fe from geological reference materials for stable isotope ratio analyses by MC-ICP-MS and double-spike TIMS. <i>Journal of Analytical Atomic Spectrometry</i> , 2009, 24, 627.	3.0	150
68	Reassessing Mg/Ca temperature calibrations of <i>Neogloboquadrina pachyderma</i> (sinistral) using paired $^{44}\text{Ca}/^{40}\text{Ca}$ and Mg/Ca measurements. <i>Geochemistry, Geophysics, Geosystems</i> , 2009, 10, .	2.5	48
69	Determination of radiogenic and stable strontium isotope ratios ($87\text{Sr}/86\text{Sr}$; $^{88}\text{Sr}/86\text{Sr}$) by thermal ionization mass spectrometry applying an $87\text{Sr}/84\text{Sr}$ double spike. <i>Journal of Analytical Atomic Spectrometry</i> , 2009, 24, 1267.	3.0	120
70	Influence of brine formation on Arctic Ocean circulation over the past 15 million years. <i>Nature Geoscience</i> , 2008, 1, 68-72.	12.9	85
71	The Calcium Isotope Composition ($^{44}\text{Ca}/^{40}\text{Ca}$) of NIST SRM 915b and NIST SRM 1486. <i>Geostandards and Geoanalytical Research</i> , 2008, 32, 311-315.	3.1	75
72	Modification of Ca isotope and trace metal composition of the major matrices involved in shell formation of <i>Mytilus edulis</i> . <i>Geochemistry, Geophysics, Geosystems</i> , 2008, 9, .	2.5	24

#	ARTICLE	IF	CITATIONS
73	Influences on the fractionation of calcium isotopes in planktonic foraminifera. <i>Earth and Planetary Science Letters</i> , 2008, 268, 124-136.	4.4	58
74	Stable strontium isotopes ($\delta^{88/86}\text{Sr}$) in cold-water corals – A new proxy for reconstruction of intermediate ocean water temperatures. <i>Earth and Planetary Science Letters</i> , 2008, 269, 570-575.	4.4	98
75	Sr ²⁺ /Ca ²⁺ and $^{44}\text{Ca}/^{40}\text{Ca}$ fractionation during inorganic calcite formation: II. Ca isotopes. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 3733-3745.	3.9	237
76	Calcium isotope ($\delta^{44/40}\text{Ca}$) fractionation along hydrothermal pathways, Logatchev field (Mid-Atlantic) Tj ETQq0 0 0 r gBT /Overlock 10 T	3.9	85
77	A simplified procedure for the determination of stable chlorine isotope ratios ($\delta^{37}\text{Cl}$) using LA-MC-ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2008, 23, 769.	3.0	40
78	Constraining initial ^{230}Th activity in incrementally deposited, biogenic aragonite from the Bahamas. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 4025-4035.	3.9	8
79	Calcium isotope record of Phanerozoic oceans: Implications for chemical evolution of seawater and its causative mechanisms. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 5117-5134.	3.9	211
80	Calcium isotope fractionation during coccolith formation in <i>Emiliana huxleyi</i> : Independence of growth and calcification rate. <i>Geochemistry, Geophysics, Geosystems</i> , 2007, 8, n/a-n/a.	2.5	57
81	Calcium isotope fractionation in modern scleractinian corals. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 4452-4462.	3.9	125
82	Cellular calcium pathways and isotope fractionation in <i>Emiliana huxleyi</i> . <i>Geology</i> , 2006, 34, 625.	4.4	91
83	Salinity change in the subtropical Atlantic: Secular increase and teleconnections to the North Atlantic Oscillation. <i>Geophysical Research Letters</i> , 2005, 32, .	4.0	33
84	Sr/Ca ratios and oxygen isotopes from sclerosponges: Temperature history of the Caribbean mixed layer and thermocline during the Little Ice Age. <i>Paleoceanography</i> , 2003, 18, n/a-n/a.	3.0	59
85	Oxygen isotope fractionation in marine aragonite of coralline sponges. <i>Geochimica Et Cosmochimica Acta</i> , 2000, 64, 1695-1703.	3.9	194