Anders Meibom

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4570190/publications.pdf

Version: 2024-02-01

169	11,890	23544 58	30894 102
papers	citations	h-index	g-index

174	174	174	9410
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Comet 81P/Wild 2 Under a Microscope. Science, 2006, 314, 1711-1716.	6.0	848
2	Mineralogy and Petrology of Comet 81P/Wild 2 Nucleus Samples. Science, 2006, 314, 1735-1739.	6.0	589
3	Organics Captured from Comet 81P/Wild 2 by the Stardust Spacecraft. Science, 2006, 314, 1720-1724.	6.0	519
4	Microplastics as vectors for environmental contaminants: Exploring sorption, desorption, and transfer to biota. Integrated Environmental Assessment and Management, 2017, 13, 488-493.	1.6	443
5	H2-rich fluids from serpentinization: Geochemical and biotic implications. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 12818-12823.	3.3	441
6	Isotopic Compositions of Cometary Matter Returned by Stardust. Science, 2006, 314, 1724-1728.	6.0	343
7	Young chondrules in CB chondrites from a giant impact in the early Solar System. Nature, 2005, 436, 989-992.	13.7	290
8	A single-cell view of ammonium assimilation in coralâ€“dinoflagellate symbiosis. ISME Journal, 2012, 6, 1314-1324.	4.4	230
9	<scp>N</scp>ano<scp>SIMS</scp>: Technical Aspects and Applications in Cosmochemistry and Biological Geochemistry. Geostandards and Geoanalytical Research, 2013, 37, 111-154.	1.7	216
10	The CR chondrite clan: Implications for early solar system processes. Meteoritics and Planetary Science, 2002, 37, 1451-1490.	0.7	203
11	Physiological and isotopic responses of scleractinian corals to ocean acidification. Geochimica Et Cosmochimica Acta, 2010, 74, 4988-5001.	1.6	191
12	Distribution of magnesium in coral skeleton. Geophysical Research Letters, 2004, 31, .	1.5	186
13	Heat stress destabilizes symbiotic nutrient cycling in corals. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	179
14	Vesta, Vestoids, and the howardite, eucrite, diogenite group: Relationships and the origin of spectral differences. Meteoritics and Planetary Science, 2001, 36, 761-781.	0.7	173
15	The grinding tip of the sea urchin tooth exhibits exquisite control over calcite crystal orientation and Mg distribution. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 6048-6053.	3.3	161
16	Extreme Deuterium Excesses in Ultracarbonaceous Micrometeorites from Central Antarctic Snow. Science, 2010, 328, 742-745.	6.0	160
17	The statistical upper mantle assemblage. Earth and Planetary Science Letters, 2004, 217, 123-139.	1.8	156
18	Phenotypic heterogeneity driven by nutrient limitation promotes growth in fluctuating environments. Nature Microbiology, 2016, 1, 16055.	5.9	154

#	Article	IF	Citations
19	The ancient evolutionary origins of Scleractinia revealed by azooxanthellate corals. BMC Evolutionary Biology, 2011, 11, 316.	3.2	153
20	Highly Dynamic Cellular-Level Response of Symbiotic Coral to a Sudden Increase in Environmental Nitrogen. MBio, 2013, 4, e00052-13.	1.8	138
21	Distribution of platinum-group elements and Os isotopes in chromite ores from MayarÃ-Baracoa Ophiolitic Belt (eastern Cuba). Contributions To Mineralogy and Petrology, 2005, 150, 589-607.	1.2	121
22	A new model for biomineralization and trace-element signatures of Foraminifera tests. Biogeosciences, 2013, 10, 6759-6767.	1.3	118
23	Compositional variations at ultra-structure length scales in coral skeleton. Geochimica Et Cosmochimica Acta, 2008, 72, 1555-1569.	1.6	116
24	Reâ€“Os isotopic evidence for long-lived heterogeneity and equilibration processes in the Earth's upper mantle. Nature, 2002, 419, 705-708.	13.7	113
25	Common reef-building coral in the Northern Red Sea resistant to elevated temperature and acidification. Royal Society Open Science, 2017, 4, 170038.	1.1	113
26	Observations of the tissue-skeleton interface in the scleractinian coral Stylophora pistillata. Coral Reefs, 2007, 26, 517-529.	0.9	112
27	Origin of zoned metal grains in the QUE94411 chondrite. Geochimica Et Cosmochimica Acta, 2001, 65, 163-180.	1.6	111
28	Nitrogen and Carbon Isotopic Composition of the Sun Inferred from a High-Temperature Solar Nebular Condensate. Astrophysical Journal, 2007, 656, L33-L36.	1.6	111
29	Subcellular Investigation of Photosynthesis-Driven Carbon Assimilation in the Symbiotic Reef Coral Pocillopora damicornis. MBio, 2015, 6, .	1.8	107
30	Composite Power Laws in Shock Fragmentation. Physical Review Letters, 1996, 76, 2492-2494.	2.9	101
31	Evidence for the insignificance of ordinary chondritic material in the asteroid belt. Meteoritics and Planetary Science, 1999, 34, 7-24.	0.7	98
32	Mantle material in the main belt: Battered to bits?. Meteoritics and Planetary Science, 1996, 31, 607-620.	0.7	95
33	The Origin of Shortâ€lived Radionuclides and the Astrophysical Environment of Solar System Formation. Astrophysical Journal, 2008, 680, 781-792.	1.6	91
34	Nano Secondary Ion Mass Spectrometry Imaging of Dopamine Distribution Across Nanometer Vesicles. ACS Nano, 2017, 11, 3446-3455.	7.3	91
35	Vital effects in coral skeletal composition display strict threeâ€dimensional control. Geophysical Research Letters, 2006, 33, .	1.5	89
36	Light and temperature effects on Sr/Ca and Mg/Ca ratios in the scleractinian coral Acropora sp.. Geochimica Et Cosmochimica Acta, 2007, 71, 354-362.	1.6	87

#	Article	IF	Citations
37	Correlation of boron isotopic composition with ultrastructure in the deepâ€sea coral Lophelia pertusa: Implications for biomineralization and paleoâ€pH. Geochemistry, Geophysics, Geosystems, 2007, 8, .	1.0	87
38	A New Astrophysical Setting for Chondrule Formation. Science, 2001, 291, 1776-1779.	6.0	84
39	NanoSIMS: Insights to biogenicity and syngeneity of Archaean carbonaceous structures. Precambrian Research, 2009, 173, 70-78.	1.2	84
40	Primitive FeNi metal grains in CH carbonaceous chondrites formed by condensation from a gas of solar composition. Journal of Geophysical Research, 1999, 104, 22053-22059.	3.3	82
41	Refractory calciumâ€aluminumâ€rich inclusions and aluminumâ€diopsideâ€rich chondrules in the metalâ€rich chondrites Hammadah al Hamra 237 and Queen Alexandra Range 94411. Meteoritics and Planetary Science, 2001, 36, 1189-1216.	0.7	81
42	A Cretaceous Scleractinian Coral with a Calcitic Skeleton. Science, 2007, 318, 92-94.	6.0	78
43	Large-Scale Thermal Events in the Solar Nebula: Evidence from Fe,Ni Metal Grains in Primitive Meteorites. Science, 2000, 288, 839-841.	6.0	77
44	A nanoscale secondary ion mass spectrometry study of dinoflagellate functional diversity in reefâ€building corals. Environmental Microbiology, 2015, 17, 3570-3580.	1.8	76
45	Structure and composition of the nacreâ€“prisms transition in the shell of Pinctada margaritifera (Mollusca, Bivalvia). Analytical and Bioanalytical Chemistry, 2008, 390, 1659-1669.	1.9	75
46	PROTO-PLANETARY DISK CHEMISTRY RECORDED BY D-RICH ORGANIC RADICALS IN CARBONACEOUS CHONDRITES. Astrophysical Journal, 2009, 698, 2087-2092.	1.6	75
47	Implications of in situ calcification for photosynthesis in a ~3.3Ga-old microbial biofilm from the Barberton greenstone belt, South Africa. Earth and Planetary Science Letters, 2011, 310, 468-479.	1.8	75
48	Evidence for an Ancient Osmium Isotopic Reservoir in Earth. Science, 2002, 296, 516-518.	6.0	72
49	Pristine extraterrestrial material with unprecedented nitrogen isotopic variation. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 10522-10527.	3.3	72
50	Phenotypic heterogeneity in metabolic traits among single cells of a rare bacterial species in its natural environment quantified with a combination of flow cell sorting and NanoSIMS. Frontiers in Microbiology, 2015, 06, 243.	1.5	72
51	Heterotrophy in the earliest gut: a single-cell view of heterotrophic carbon and nitrogen assimilation in sponge-microbe symbioses. ISME Journal, 2020, 14, 2554-2567.	4.4	72
52	In vitro and in vivo characterization of Clostridium scindens bile acid transformations. Gut Microbes, 2019, 10, 481-503.	4.3	70
53	Monthly Strontium/Calcium oscillations in symbiotic coral aragonite: Biological effects limiting the precision of the paleotemperature proxy. Geophysical Research Letters, 2003, 30, .	1.5	68
54	Are high 3He/4He ratios in oceanic basalts an indicator of deep-mantle plume components?. Earth and Planetary Science Letters, 2003, 208, 197-204.	1.8	67

#	Article	IF	Citations
55	Photosymbiosis and the expansion of shallow-water corals. Science Advances, 2016, 2, e1601122.	4.7	65
56	The condensation origin of zoned metal grains in Queen Alexandra Range 94411: Implications for the formation of the Bencubbinâ€like chondrites. Meteoritics and Planetary Science, 2001, 36, 93-106.	0.7	64
57	Biological forcing controls the chemistry of reef-building coral skeleton. Geophysical Research Letters, 2007, 34, .	1.5	64
58	Heavilyâ€hydrated lithic clasts in CH chondrites and the related, metalâ€rich chondrites Queen Alexandra Range 94411 and Hammadah al Hamra 237. Meteoritics and Planetary Science, 2002, 37, 281-293.	0.7	63
59	Fast and pervasive transcriptomic resilience and acclimation of extremely heat-tolerant coral holobionts from the northern Red Sea. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	63
60	Chemical Mapping of Proterozoic Organic Matter at Submicron Spatial Resolution. Astrobiology, 2006, 6, 838-850.	1.5	62
61	Effect of environmental conditions and skeletal ultrastructure on the Li isotopic composition of scleractinian corals. Earth and Planetary Science Letters, 2009, 286, 63-70.	1.8	61
62	Dynamics of sheet nacre formation in bivalves. Journal of Structural Biology, 2009, 165, 190-195.	1.3	59
63	Study of the crystallographic architecture of corals at the nanoscale by scanning transmission X-ray microscopy and transmission electron microscopy. Ultramicroscopy, 2011, 111, 1268-1275.	0.8	59
64	Diversity in the Archean Biosphere: New Insights from NanoSIMS. Astrobiology, 2010, 10, 413-424.	1.5	58
65	Surviving anoxia in marine sediments: The metabolic response of ubiquitous benthic foraminifera (Ammonia tepida). PLoS ONE, 2017, 12, e0177604.	1.1	57
66	SUPERNOVA PROPAGATION AND CLOUD ENRICHMENT: A NEW MODEL FOR THE ORIGIN OF ⁶⁰ Fe IN THE EARLY SOLAR SYSTEM. Astrophysical Journal, 2009, 694, L1-L5.	1.6	54
67	Application of imaging mass spectrometry approaches to facilitate metal-based anticancer drug research. Metallomics, 2017, 9, 365-381.	1.0	54
68	A clast of Baliâ€like oxidized CV material in the reduced CV chondrite breccia Vigarano. Meteoritics and Planetary Science, 2000, 35, 817-825.	0.7	53
69	The Hadean upper mantle conundrum: evidence for source depletion and enrichment from Sm-Nd, Re-Os, and Pb isotopic compositions in 3.71 Gy boninite-like metabasalts from the Isua Supracrustal Belt, Greenland 1 1Associate editor: A. D. Brandon. Geochimica Et Cosmochimica Acta, 2004, 68, 1645-1660.	1.6	52
70	Skeletal growth dynamics linked to trace-element composition in the scleractinian coral Pocillopora damicornis. Geochimica Et Cosmochimica Acta, 2012, 99, 146-158.	1.6	50
71	Ultrastructure and distribution of kleptoplasts in benthic foraminifera from shallow-water (photic) habitats. Marine Micropaleontology, 2018, 138, 46-62.	0.5	49
72	Burial-induced oxygen-isotope re-equilibration of fossil foraminifera explains ocean paleotemperature paradoxes. Nature Communications, 2017, 8, 1134.	5.8	48

#	Article	IF	Citations
73	Temperature and feeding induce tissue level changes in autotrophic and heterotrophic nutrient allocation in the coral symbiosis â€“ A NanoSIMS study. Scientific Reports, 2018, 8, 12710.	1.6	47
74	Skeletal growth, ultrastructure and composition of the azooxanthellate scleractinian coral Balanophyllia regia. Coral Reefs, 2010, 29, 175-189.	0.9	46
75	Inorganic carbon and nitrogen assimilation in cellular compartments of a benthic kleptoplastic foraminifer. Scientific Reports, 2018, 8, 10140.	1.6	45
76	Nutritional input from dinoflagellate symbionts in reef-building corals is minimal during planula larval life stage. Science Advances, 2016, 2, e1500681.	4.7	43
77	Forsteriteâ€rich accretionary rims around calciumâ€aluminumâ€rich inclusions from the reduced CV3 chondrite Efremovka. Meteoritics and Planetary Science, 2001, 36, 611-628.	0.7	41
78	Extreme 34S depletions in ZnS at the Mike gold deposit, Carlin Trend, Nevada: Evidence for bacteriogenic supergene sphalerite. Geology, 2003, 31, 913.	2.0	41
79	Kleptoplastidic benthic foraminifera from aphotic habitats: insights into assimilation of inorganic C, N and S studied with subâ€cellular resolution. Environmental Microbiology, 2019, 21, 125-141.	1.8	41
80	Intracellular competition for nitrogen controls dinoflagellate population density in corals. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20200049.	1.2	41
81	NanoSIMS analysis of an isotopically labelled organometallic ruthenium(<scp>ii</scp>) drug to probe its distribution and state in vitro. Chemical Communications, 2015, 51, 16486-16489.	2.2	39
82	Osmium and lead isotopes of rare OsIrRu minerals: derivation from the coreâ€“mantle boundary region?. Earth and Planetary Science Letters, 1999, 170, 83-92.	1.8	38
83	Strontiumâ€86 labeling experiments show spatially heterogeneous skeletal formation in the scleractinian coral Porites porites. Geophysical Research Letters, 2009, 36, .	1.5	38
84	Osmium isotopic compositions of Os-rich platinum group element alloys from the Klamath and Siskiyou Mountains. Journal of Geophysical Research, 2004, 109, .	3.3	37
85	Nanotextures of aragonite in stromatolites from the quasi-marine Satonda crater lake, Indonesia. Geological Society Special Publication, 2010, 336, 211-224.	0.8	37
86	The Oxygen Isotopic Composition of the Sun as a Test of the Supernova Origin of ²⁶ Al and ⁴¹ Ca. Astrophysical Journal, 2007, 664, L123-L125.	1.6	36
87	A unique skeletal microstructure of the deepâ€sea micrabaciid scleractinian corals. Journal of Morphology, 2011, 272, 191-203.	0.6	35
88	The ZONMET thermodynamic and kinetic model of metal condensation. Geochimica Et Cosmochimica Acta, 2003, 67, 1737-1751.	1.6	34
89	Differences in cisplatin distribution in sensitive and resistant ovarian cancer cells: a TEM/NanoSIMS study. Metallomics, 2017, 9, 1413-1420.	1.0	34
90	Science, Diplomacy, and the Red Seaâ€™s Unique Coral Reef: Itâ€™s Time for Action. Frontiers in Marine Science, 2020, 7, .	1.2	34

#	Article	IF	Citations
91	26Mg labeling of the sea urchin regenerating spine: Insights into echinoderm biomineralization process. Journal of Structural Biology, 2011, 176, 119-126.	1.3	33
92	An overview of cellular ultrastructure in benthic foraminifera: New observations of rotalid species in the context of existing literature. Marine Micropaleontology, 2018, 138, 12-32.	0.5	33
93	Short-Term Thermal Acclimation Modifies the Metabolic Condition of the Coral Holobiont. Frontiers in Marine Science, 2018, 5, .	1.2	33
94	Implications of temperature-dependent near-IR spectral properties of common minerals and meteorites for remote sensing of asteroids. Geophysical Research Letters, 1999, 26, 1661-1664.	1.5	32
95	Os isotope heterogeneity of the upper mantle: Evidence from the MayarÃâ€“Baracoa ophiolite belt in eastern Cuba. Earth and Planetary Science Letters, 2006, 241, 466-476.	1.8	32
96	Pulsed 86Sr-labeling and NanoSIMS imaging to study coral biomineralization at ultra-structural length scales. Coral Reefs, 2012, 31, 741-752.	0.9	32
97	⁵³Mnâ€⁵³Cr ages of Kaidun carbonates. Meteoritics and Planetary Science, 2011, 46, 275-283.	0.7	31
98	Correlation of fluorescence microscopy, electron microscopy, and NanoSIMS stable isotope imaging on a single tissue section. Communications Biology, 2020, 3, 362.	2.0	31
99	Microâ€•to nanostructure and geochemistry of extant crinoidal echinoderm skeletons. Geobiology, 2013, 11, 29-43.	1.1	29
100	On the formation of peridotite-derived Os-rich PGE alloys. American Mineralogist, 2003, 88, 1731-1740.	0.9	28
101	Shock melts in QUE 94411, Hammadah al Hamra 237, and Bencubbin: Remains of the missing matrix?. Meteoritics and Planetary Science, 2005, 40, 1377-1391.	0.7	27
102	Biomineralization in newly settled recruits of the scleractinian coral Pocillopora damicornis. Journal of Morphology, 2014, 275, 1349-1365.	0.6	27
103	Vibrio coralliilyticus infection triggers a behavioural response and perturbs nutritional exchange and tissue integrity in a symbiotic coral. ISME Journal, 2019, 13, 989-1003.	4.4	27
104	Ferrous silicate spherules with euhedral ironâ€•nickel metal grains from CH carbonaceous chondrites: Evidence for supercooling and condensation under oxidizing conditions. Meteoritics and Planetary Science, 2000, 35, 1249-1258.	0.7	26
105	Growth mechanism and additional constraints on FeNi metal condensation in the solar nebula. Journal of Geophysical Research, 2001, 106, 32797-32801.	3.3	26
106	Assimilation, translocation, and utilization of carbon between photosynthetic symbiotic dinoflagellates and their planktic foraminifera host. Marine Biology, 2018, 165, 1.	0.7	26
107	Scleractinian coral cell proliferation is reduced in primary culture of suspended multicellular aggregates compared to polyps. Cytotechnology, 2013, 65, 705-724.	0.7	25
108	The Differential Distribution of RAPTA-T in Non-Invasive and Invasive Breast Cancer Cells Correlates with Its Anti-Invasive and Anti-Metastatic Effects. International Journal of Molecular Sciences, 2017, 18, 1869.	1.8	25

#	Article	IF	Citations
109	Weekly to monthly time scale of melt inclusion entrapment prior to eruption recorded by phosphorus distribution in olivine from mid-ocean ridges. Geology, 2017, 45, 1059-1062.	2.0	25
110	Fine-Scale Skeletal Banding Can Distinguish Symbiotic from Asymbiotic Species among Modern and Fossil Scleractinian Corals. PLoS ONE, 2016, 11, e0147066.	1.1	25
111	Scaling analysis of meteorite shower mass distributions. Europhysics Letters, 1998, 43, 598-604.	0.7	23
112	Short magmatic residence times of quartz phenocrysts in Patagonian rhyolites associated with Gondwana breakup. Geology, 2016, 44, 67-70.	2.0	23
113	Substrate and electron donor limitation induce phenotypic heterogeneity in different metabolic activities in a green sulphur bacterium. Environmental Microbiology Reports, 2018, 10, 179-183.	1.0	23
114	Subâ€cellular imaging shows reduced photosynthetic carbon and increased nitrogen assimilation by the nonâ€native endosymbiont Durusdinium trenchii in the model cnidarian Aiptasia. Environmental Microbiology, 2020, 22, 3741-3753.	1.8	22
115	Following spatial Aî² aggregation dynamics in evolving Alzheimerâ€™s disease pathology by imaging stable isotope labeling kinetics. Science Advances, 2021, 7, .	4.7	22
116	A modern scleractinian coral with a two-component calciteâ€“aragonite skeleton. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	22
117	Nanostructural and Geochemical Features of the Jurassic Isocrinid Columnal Ossicles. Acta Palaeontologica Polonica, 2009, 54, 69-75.	0.4	22
118	Simultaneous extension of both basic microstructural components in scleractinian coral skeleton during night and daytime, visualized by in situ 86Sr pulse labeling. Journal of Structural Biology, 2014, 185, 79-88.	1.3	21
119	MALDI-MS and NanoSIMS imaging techniques to study cnidarianâ€“dinoflagellate symbioses. Zoology, 2015, 118, 125-131.	0.6	21
120	Ammonium is the preferred source of nitrogen for planktonic foraminifer and their dinoflagellate symbionts. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20200620.	1.2	21
121	Surface Topography, Bacterial Carrying Capacity, and the Prospect of Microbiome Manipulation in the Sea Anemone Coral Model Aiptasia. Frontiers in Microbiology, 2021, 12, 637834.	1.5	21
122	Coalescence and directed anisotropic growth of starch granule initials in subdomains of Arabidopsis thaliana chloroplasts. Nature Communications, 2021, 12, 6944.	5.8	21
123	Heat stress reduces the contribution of diazotrophs to coral holobiont nitrogen cycling. ISME Journal, 2022, 16, 1110-1118.	4.4	21
124	Imaging liver and brain glycogen metabolism at the nanometer scale. Nanomedicine: Nanotechnology, Biology, and Medicine, 2015, 11, 239-245.	1.7	20
125	Using NanoSIMS coupled with microfluidics to visualize the early stages of coral infection by Vibrio coralliilyticus. BMC Microbiology, 2018, 18, 39.	1.3	20
126	A Layered Structure in the Organic Envelopes of the Prismatic Layer of the Shell of the Pearl Oyster Pinctada margaritifera (Mollusca, Bivalvia). Microscopy and Microanalysis, 2010, 16, 91-98.	0.2	19

#	Article	IF	Citations
127	A unique coral biomineralization pattern has resisted 40 million years of major ocean chemistry change. Scientific Reports, 2016, 6, 27579.	1.6	18
128	Combined deletion of Glut1 and Glut3 impairs lung adenocarcinoma growth. ELife, 2020, 9, .	2.8	18
129	Calcareous sponge biomineralization: Ultrastructural and compositional heterogeneity of spicules in Leuconia johnstoni. Journal of Structural Biology, 2011, 173, 99-109.	1.3	17
130	Functional kleptoplasts intermediate incorporation of carbon and nitrogen in cells of the Sacoglossa sea slug Elysia viridis. Scientific Reports, 2020, 10, 10548.	1.6	17
131	Aragonitic scleractinian corals in the Cretaceous calcitic sea. Geology, 2017, 45, 319-322.	2.0	16
132	Developmental carry over effects of ocean warming and acidification in corals from a potential climate refugium, Gulf of Aqaba. Journal of Experimental Biology, 2019, 222, .	0.8	16
133	Generalized size scaling of metabolic rates based on single-cell measurements with freshwater phytoplankton. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 17323-17329.	3.3	16
134	Ultrascale and microscale growth dynamics of the cidaroid spine of Phyllacanthus imperialis revealed by ²⁶Mg labeling and NanoSIMS isotopic imaging. Journal of Morphology, 2014, 275, 788-796.	0.6	15
135	Innovative TEM-coupled approaches to study foraminiferal cells. Marine Micropaleontology, 2018, 138, 90-104.	0.5	15
136	Photosynthesis from stolen chloroplasts can support sea slug reproductive fitness. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20211779.	1.2	15
137	Diffusion anisotropy of Ti in zircon and implications for Ti-in-zircon thermometry. Earth and Planetary Science Letters, 2022, 578, 117317.	1.8	15
138	Speciation of Mg in biogenic calcium carbonates. Journal of Physics: Conference Series, 2009, 190, 012175.	0.3	14
139	Unusual Micrometric Calciteâ€“Aragonite Interface in the Abalone Shell Haliotis (Mollusca,) Tj ETQq1 1 0.784314 rgBT /Overlo	0.2	14
140	A method to disentangle and quantify host anabolic turnover in photosymbiotic holobionts with subcellular resolution. Communications Biology, 2020, 3, 14.	2.0	14
141	Uranium-series dating and growth characteristics of the deep-sea scleractinian coral: Enallopsammia rostrata from the Equatorial Pacific. Geochimica Et Cosmochimica Acta, 2010, 74, 2380-2395.	1.6	13
142	Stable carbon and oxygen isotope compositions of extant crinoidal echinoderm skeletons. Chemical Geology, 2012, 291, 132-140.	1.4	13
143	Evidence for Rhythmicity Pacemaker in the Calcification Process of Scleractinian Coral. Scientific Reports, 2016, 6, 20191.	1.6	13
144	A NanoSIMS Investigation on Timescales Recorded in Volcanic Quartz From the Silicic Chon Aike Province (Patagonia). Frontiers in Earth Science, 2018, 6, .	0.8	12

#	Article	IF	Citations
145	Kleptoplast distribution, photosynthetic efficiency and sequestration mechanisms in intertidal benthic foraminifera. ISME Journal, 2022, 16, 822-832.	4.4	11
146	Amoebocytes facilitate efficient carbon and nitrogen assimilation in theCassiopea-Symbiodiniaceae symbiosis. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20202393.	1.2	11
147	Intercomparison of atomic models for computing stopping parameters from the Bethe theory: Atomic hydrogen. Physical Review A, 1992, 46, 7012-7018.	1.0	10
148	The Rise and Fall of a Great Idea. Science, 2008, 319, 418-419.	6.0	10
149	Imaging the time-integrated cerebral metabolic activity with subcellular resolution through nanometer-scale detection of biosynthetic products deriving from 13C-glucose. Journal of Chemical Neuroanatomy, 2015, 69, 7-12.	1.0	9
150	Cell proliferation and migration during early development of a symbiotic scleractinian coral. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20160206.	1.2	9
151	Fast and pervasive diagenetic isotope exchange in foraminifera tests is species-dependent. Nature Communications, 2022, 13, 113.	5.8	9
152	Models for noble gases in mantle geochemistry: Some observations and alternatives. , 2005, , .		8
153	Cellular Uptake and Intracellular Trafficking of Poly(N-(2-Hydroxypropyl) Methacrylamide). Biomacromolecules, 2019, 20, 231-242.	2.6	8
154	Tracking the cargo of extracellular symbionts into host tissues with correlated electron microscopy and nanoscale secondary ion mass spectrometry imaging. Cellular Microbiology, 2020, 22, e13177.	1.1	7
155	Simultaneous extension of both basic microstructural components in scleractinian coral skeleton during night and daytime, visualized by in situ 86Sr pulse labeling. Journal of Structural Biology, 2014, 185, 79-88.	1.3	7
156	Using Modern Conservation Tools for Innovative Management of Coral Reefs: The MANACO Consortium. Frontiers in Marine Science, 2020, 7, .	1.2	6
157	Results from the Greenland Search for Meteorites expedition. Meteoritics and Planetary Science, 2007, 42, 1727-1733.	0.7	5
158	Heterotrophic Foraminifera Capable of Inorganic Nitrogen Assimilation. Frontiers in Microbiology, 2020, 11, 604979.	1.5	5
159	High light quantity suppresses locomotion in symbiotic Aiptasia. Symbiosis, 2022, 86, 293-304.	1.2	5
160	Meteorite stranding surfaces and the Greenland icesheet. Meteoritics and Planetary Science, 2001, 36, 807-816.	0.7	4
161	Identification and analysis of carbon-bearing phases in the Martian meteorite Nakhla. , 2006, , .		4
162	Fine-scale growth patterns in coral skeletons: biochemical control over crystallization of aragonite fibres and assessment of early diagenesis. Geological Society Special Publication, 2008, 303, 87-96.	0.8	4

#	Article	IF	Citations
163	The origin of60Fe and other short-lived radionuclides in the early solar system. EAS Publications Series, 2010, 41, 301-311.	0.3	4
164	Nanosims Opens a New Window for Deciphering Organic Matter in Terrestrial and Extraterrestrial Samples. Cellular Origin and Life in Extreme Habitats, 2009, , 3-23.	0.3	3
165	Morphology, microstructure, crystallography, and chemistry of distinct CaCO3deposits formed by early recruits of the scleractinian coralPocillopora damicornis. Journal of Morphology, 2015, 276, 1146-1156.	0.6	2
166	Reply to 'No substantial long-term bias in the Cenozoic benthic foraminifera oxygen-isotope record'. Nature Communications, 2018, 9, 2874.	5.8	1
167	Species-specific foraminiferal ultrastructures modulate surfaces available for diagenesis. Microscopy and Microanalysis, 2021, 27, 274-275.	0.2	1
168	Oxygen diffusion in garnet: experimental calibration and implications for timescales of metamorphic processes and retention of primary O isotopic signatures. American Mineralogist, 2021, , .	0.9	0
169	A new passive system for contamination-free long-distance cryo-transfer of biological tissues. IOP Conference Series: Materials Science and Engineering, 2017, 278, 012123.	0.3	0