

# D A-H Teagle

## List of Publications by Year in descending order

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85  
papers

4,948  
citations

87888

38  
h-index

95266

68  
g-index

96  
all docs

96  
docs citations

96  
times ranked

4659  
citing authors

#	ARTICLE	IF	CITATIONS
1	Public engagement with emerging technologies: Does reflective thinking affect survey responses?. <i>Public Understanding of Science</i> , 2022, 31, 660-670.	2.8	1
2	Listvenite Formation During Mass Transfer into the Leading Edge of the Mantle Wedge: Initial Results from Oman Drilling Project Hole BT1B. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	3.4	11
3	Geochemical Characterization of the Oman Crustâ€Mantle Transition Zone, OmanDP Holes CM1A and CM2B. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	3.4	3
4	Features of seafloor hydrothermal alteration in metabasalts of mid-ocean ridge origin from the Chrystalls Beach Complex. <i>New Zealand Journal of Geology, and Geophysics</i> , 2021, 64, 133-146.	1.8	0
5	Uplift and Exposure of Serpentinized Massifs: Modeling Differential Serpentinite Diapirism and Exhumation of the Troodos Mantle Sequence, Cyprus. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB021079.	3.4	2
6	Hydrothermal Alteration of the Ocean Crust and Patterns in Mineralization With Depth as Measured by Microâ€maging Infrared Spectroscopy. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB021976.	3.4	7
7	Characterizing Hydration of the Ocean Crust Using Shortwave Infrared Microimaging Spectroscopy of ICDP Oman Drilling Project Cores. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB022676.	3.4	1
8	Geochemical Profiles Across the Listveniteâ€Metamorphic Transition in the Basal Megathrust of the Semail Ophiolite: Results From Drilling at OmanDP Hole BT1B. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB022733.	3.4	13
9	Initial Results From the Oman Drilling Project Multiâ€Borehole Observatory: Petrogenesis and Ongoing Alteration of Mantle Peridotite in the Weathering Horizon. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB022729.	3.4	16
10	Metal fluxes during magmatic degassing in the oceanic crust: sulfide mineralisation at ODP site 786B, Izu-Bonin forearc. <i>Mineralium Deposita</i> , 2020, 55, 469-489.	4.1	16
11	Experimental study on mafic rock dissolution rates within CO2-seawater-rock systems. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 272, 259-275.	3.9	28
12	Serpentinite in the Earth system. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2020, 378, 20190332.	3.4	2
13	The public remain uninformed and wary of climate engineering. <i>Climatic Change</i> , 2020, 160, 303-322.	3.6	26
14	Fluidâ€rock interactions in the shallow Mariana forearc: carbon cycling and redox conditions. <i>Solid Earth</i> , 2019, 10, 907-930.	2.8	16
15	Rhenium Enrichment in the Muratdere Cu-Mo (Au-Re) Porphyry Deposit, Turkey: Evidence from Stable Isotope Analyses ( $\delta^{34}\text{S}$ , $\delta^{18}\text{O}$ , $\delta^{\text{D}}$ ) and Laser Ablation-Inductively Coupled Plasma-Mass Spectrometry Analysis of Sulfides. <i>Economic Geology</i> , 2019, 114, 1443-1466.	3.8	24
16	A re-assessment of the nitrogen geochemical behavior in upper oceanic crust from Hole 504B: Implications for subduction budget in Central America. <i>Earth and Planetary Science Letters</i> , 2019, 525, 115735.	4.4	23
17	What Lies Beneath: The Formation and Evolution of Oceanic Lithosphere. <i>Oceanography</i> , 2019, 32, 138-149.	1.0	14
18	Extraction and separation of rare earth elements from hydrothermal metalliferous sediments. <i>Minerals Engineering</i> , 2018, 118, 106-121.	4.3	39

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19	Carbon dioxide generation and drawdown during active orogenesis of siliciclastic rocks in the Southern Alps, New Zealand. <i>Earth and Planetary Science Letters</i> , 2018, 481, 305-315.	4.4	13
20	The Significance of Heat Transport by Shallow Fluid Flow at an Active Plate Boundary: The Southern Alps, New Zealand. <i>Geophysical Research Letters</i> , 2018, 45, 10,323.	4.0	6
21	Chlorine-rich amphibole in deep layered gabbros as evidence for brine/rock interaction in the lower oceanic crust: A case study from the Wadi Wariyah, Samail Ophiolite, Sultanate of Oman. <i>Lithos</i> , 2018, 323, 125-136.	1.4	16
22	The Origin of Carbonate Veins Within the Sedimentary Cover and Igneous Rocks of the Cocos Ridge: Results From IODP Hole U1414A. <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 3721-3738.	2.5	8
23	Hydrothermal fault zones in the lower oceanic crust: An example from Wadi Gideah, Samail ophiolite, Oman. <i>Lithos</i> , 2018, 323, 103-124.	1.4	36
24	Noble gases fingerprint a metasedimentary fluid source in the Macraes orogenic gold deposit, New Zealand. <i>Mineralium Deposita</i> , 2017, 52, 197-209.	4.1	21
25	Petrography and geochemistry of the Mesoarchean Bikoula banded iron formation in the Ntem complex (Congo craton), Southern Cameroon: Implications for its origin. <i>Ore Geology Reviews</i> , 2017, 80, 267-288.	2.7	45
26	Hydrothermal mobilisation of Au and other metals in supra-subduction oceanic crust: Insights from the Troodos ophiolite. <i>Ore Geology Reviews</i> , 2017, 86, 487-508.	2.7	28
27	Extreme hydrothermal conditions at an active plate-bounding fault. <i>Nature</i> , 2017, 546, 137-140.	27.8	84
28	Hydrothermal cooling of the ocean crust: Insights from ODP Hole 1256D. <i>Earth and Planetary Science Letters</i> , 2017, 462, 110-121.	4.4	23
29	Bedrock geology of DFDP-2B, central Alpine Fault, New Zealand. <i>New Zealand Journal of Geology, and Geophysics</i> , 2017, 60, 497-518.	1.8	24
30	Carbonate alteration of ophiolitic rocks in the Arabianâ€Nubian Shield of Egypt: sources and compositions of the carbonating fluid and implications for the formation of Au deposits. <i>International Geology Review</i> , 2017, 59, 391-419.	2.1	57
31	Petrophysical, Geochemical, and Hydrological Evidence for Extensive Fractureâ€Mediated Fluid and Heat Transport in the Alpine Fault's Hangingâ€Wall Damage Zone. <i>Geochemistry, Geophysics, Geosystems</i> , 2017, 18, 4709-4732.	2.5	31
32	The fluid budget of a continental plate boundary fault: Quantification from the Alpine Fault, New Zealand. <i>Earth and Planetary Science Letters</i> , 2016, 445, 125-135.	4.4	45
33	Hydrothermal contributions to global biogeochemical cycles: Insights from the Macquarie Island ophiolite. <i>Lithos</i> , 2016, 264, 329-347.	1.4	9
34	The contribution of hydrothermally altered ocean crust to the mantle halogen and noble gas cycles. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 183, 106-124.	3.9	64
35	Mobility of Au and related elements during the hydrothermal alteration of the oceanic crust: implications for the sources of metals in VMS deposits. <i>Mineralium Deposita</i> , 2016, 51, 179-200.	4.1	47
36	Metabasalts as sources of metals in orogenic gold deposits. <i>Mineralium Deposita</i> , 2015, 50, 373-390.	4.1	107

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37	Channelling of hydrothermal fluids during the accretion and evolution of the upper oceanic crust: Sr isotope evidence from ODP Hole 1256D. <i>Earth and Planetary Science Letters</i> , 2015, 416, 56-66.	4.4	50
38	The Effects on Bronchial Epithelial Mucociliary Cultures of Coarse, Fine, and Ultrafine Particulate Matter From an Underground Railway Station. <i>Toxicological Sciences</i> , 2015, 145, 98-107.	3.1	64
39	Changes in hot spring temperature and hydrogeology of the <i>A</i> lpine <i>F</i> ault hanging wall, <i>N</i> ew <i>Z</i> ealand, induced by distal <i>S</i> outh <i>I</i> sland earthquakes. <i>Geofluids</i> , 2015, 15, 216-239.	0.7	62
40	The gold conveyor belt: Large-scale gold mobility in an active orogen. <i>Ore Geology Reviews</i> , 2014, 62, 129-142.	2.7	52
41	Controls on thallium uptake during hydrothermal alteration of the upper ocean crust. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 144, 25-42.	3.9	32
42	Incursion of meteoric waters into the ductile regime in an active orogen. <i>Earth and Planetary Science Letters</i> , 2014, 399, 1-13.	4.4	90
43	A quantitative evaluation of the public response to climate engineering. <i>Nature Climate Change</i> , 2014, 4, 106-110.	18.8	67
44	Evidence of mass failure in the Hess Deep Rift from multi-resolutional bathymetry data. <i>Marine Geology</i> , 2013, 339, 13-21.	2.1	15
45	Physicochemical Characterization of Airborne Particulate Matter at a Mainline Underground Railway Station. <i>Environmental Science &amp; Technology</i> , 2013, 47, 3614-3622.	10.0	97
46	Geological storage of CO <sub>2</sub> within the oceanic crust by gravitational trapping. <i>Geophysical Research Letters</i> , 2013, 40, 6219-6224.	4.0	23
47	Downhole variation of lithium and oxygen isotopic compositions of oceanic crust at East Pacific Rise, ODP Site 1256. <i>Geochemistry, Geophysics, Geosystems</i> , 2012, 13, .	2.5	55
48	Sedimentological and geochemical evidence for multistage failure of volcanic island landslides: A case study from Icod landslide on north Tenerife, Canary Islands. <i>Geochemistry, Geophysics, Geosystems</i> , 2011, 12, n/a-n/a.	2.5	78
49	Comment on "What do we know about the evolution of Mg to Ca ratios in seawater?" by Wally Broecker and Jimin Yu. <i>Paleoceanography</i> , 2011, 26, .	3.0	9
50	Secrets of the sea floor. <i>Nature Geoscience</i> , 2011, 4, 3-4.	12.9	2
51	Journey to the mantle of the Earth. <i>Nature</i> , 2011, 471, 437-439.	27.8	11
52	Hydrothermal calcium-carbonate veins reveal past ocean chemistry. <i>TrAC - Trends in Analytical Chemistry</i> , 2011, 30, 1252-1268.	11.4	21
53	SULFIDE EVOLUTION DURING PROGRADE METAMORPHISM OF THE OTAGO AND ALPINE SCHISTS, NEW ZEALAND. <i>Canadian Mineralogist</i> , 2010, 48, 1267-1295.	1.0	89
54	Sedimentation of acantharian cysts in the Iceland Basin: Strontium as a ballast for deep ocean particle flux, and implications for acantharian reproductive strategies. <i>Limnology and Oceanography</i> , 2010, 55, 604-614.	3.1	25

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55	Reconstructing Past Seawater Mg/Ca and Sr/Ca from Mid-Ocean Ridge Flank Calcium Carbonate Veins. <i>Science</i> , 2010, 327, 1114-1117.	12.6	243
56	Subsurface structure of a submarine hydrothermal system in ocean crust formed at the East Pacific Rise, ODP/IODP Site 1256. <i>Geochemistry, Geophysics, Geosystems</i> , 2010, 11, .	2.5	150
57	Variable Quaternary chemical weathering fluxes and imbalances in marine geochemical budgets. <i>Nature</i> , 2009, 458, 493-496.	27.8	218
58	Determination of the volcanostratigraphy of oceanic crust formed at superfast spreading ridge: Electrofacies analyses of ODP/IODP Hole 1256D. <i>Geochemistry, Geophysics, Geosystems</i> , 2009, 10, .	2.5	51
59	Geochemical fluxes related to alteration of a subaerially exposed seamount: Nintoku seamount, ODP Leg 197, Site 1205. <i>Geochemistry, Geophysics, Geosystems</i> , 2007, 8, n/a-n/a.	2.5	14
60	Method for Ultra-Low-Level Analysis of Gold in Rocks. <i>Analytical Chemistry</i> , 2006, 78, 1290-1295.	6.5	41
61	ODP Site 1224: A missing link in the investigation of seafloor weathering. <i>Geochemistry, Geophysics, Geosystems</i> , 2006, 7, n/a-n/a.	2.5	15
62	Hydrothermal fluid fluxes calculated from the isotopic mass balance of thallium in the ocean crust. <i>Earth and Planetary Science Letters</i> , 2006, 251, 120-133.	4.4	145
63	Sources of Metals and Fluids in Orogenic Gold Deposits: Insights from the Otago and Alpine Schists, New Zealand. <i>Economic Geology</i> , 2006, 101, 1525-1546.	3.8	324
64	Drilling to Gabbro in Intact Ocean Crust. <i>Science</i> , 2006, 312, 1016-1020.	12.6	230
65	Detecting hydrothermal graphite deposition during metamorphism and gold mineralization. <i>Journal of the Geological Society</i> , 2005, 162, 429-432.	2.1	43
66	The behavior of nitrogen and nitrogen isotopes during metamorphism and mineralization: Evidence from the Otago and Alpine Schists, New Zealand. <i>Earth and Planetary Science Letters</i> , 2005, 233, 229-246.	4.4	44
67	Hydrothermal Alteration of Basalts beneath the Bent Hill Massive Sulfide Deposit, Middle Valley, Juan de Fuca Ridge. <i>Economic Geology</i> , 2004, 99, 561-584.	3.8	36
68	Linking basement carbonate vein compositions to porewater geochemistry across the eastern flank of the Juan de Fuca Ridge, ODP Leg 168. <i>Earth and Planetary Science Letters</i> , 2004, 219, 111-128.	4.4	56
69	Hydrothermal alteration of upper oceanic crust formed at a fast-spreading ridge: mineral, chemical, and isotopic evidence from ODP Site 801. <i>Chemical Geology</i> , 2003, 201, 191-211.	3.3	191
70	Recharge flux to ocean-ridge black smoker systems: a geochemical estimate from ODP Hole 504B. <i>Earth and Planetary Science Letters</i> , 2003, 210, 81-89.	4.4	69
71	Imbalance in the oceanic strontium budget. <i>Earth and Planetary Science Letters</i> , 2003, 211, 173-187.	4.4	115
72	Isotopic composition of gypsum in the Macquarie Island ophiolite: Implications for the sulfur cycle and the subsurface biosphere in oceanic crust. <i>Geology</i> , 2003, 31, 549.	4.4	38

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73	Lithium and lithium isotope profiles through the upper oceanic crust: a study of seawater-basalt exchange at ODP Sites 504B and 896A. <i>Earth and Planetary Science Letters</i> , 2002, 201, 187-201.	4.4	241
74	The uptake of carbon during alteration of ocean crust. <i>Geochimica Et Cosmochimica Acta</i> , 1999, 63, 1527-1535.	3.9	400
75	The deep structure of a sea-floor hydrothermal deposit. <i>Nature</i> , 1998, 392, 485-488.	27.8	109
76	Strontium and oxygen isotopic constraints on fluid mixing, alteration and mineralization in the TAG hydrothermal deposit. <i>Chemical Geology</i> , 1998, 149, 1-24.	3.3	49
77	Tracing the chemical evolution of fluids during hydrothermal recharge: Constraints from anhydrite recovered in ODP Hole 504B. <i>Earth and Planetary Science Letters</i> , 1998, 155, 167-182.	4.4	77
78	Tracing the evolution of hydrothermal fluids in the upper oceanic crust: Sr-isotopic constraints from DSDP/ODP Holes 504B and 896A. <i>Geological Society Special Publication</i> , 1998, 148, 81-97.	1.3	19
79	The structure and controls on fluid-rock interactions in ocean ridge hydrothermal systems: constraints from the Troodos ophiolite. <i>Geological Society Special Publication</i> , 1998, 148, 127-152.	1.3	10
80	Strontium alteration in the Troodos ophiolite: implications for fluid fluxes and geochemical transport in mid-ocean ridge hydrothermal systems. <i>Earth and Planetary Science Letters</i> , 1992, 113, 219-237.	4.4	153
81	Structural controls on gold-bearing quartz mineralization in a duplex thrust system, Hyde-Macraes shear zone, Otago Schist, New Zealand. <i>Economic Geology</i> , 1990, 85, 1711-1719.	3.8	63
82	Workshop report: Exploring deep oceanic crust off Hawai'i. <i>Scientific Drilling</i> , 0, 29, 69-82.	0.6	5
83	IODP Expedition 335: Deep Sampling in ODP Hole 1256D. <i>Scientific Drilling</i> , 0, 13, 28-34.	0.6	16
84	Northeast Atlantic breakup volcanism and consequences for Paleogene climate change – MagellanPlus Workshop report. <i>Scientific Drilling</i> , 0, 26, 69-85.	0.6	6
85	Ship-board determination of whole-rock (ultra-)trace element concentrations by laser ablation-inductively coupled plasma mass spectrometry analysis of pressed powder pellets aboard the D/V Chikyu. <i>Scientific Drilling</i> , 0, 30, 75-99.	0.6	2