William Ussler

List of Publications by Year
in descending order

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29 papers	3,063 citations	236612 25 h-index	476904 29 g-index
29 all docs	29 docs citations	29 times ranked	2678 citing authors

#	Article	IF	Citations
1	Marine pore-water sulfate profiles indicate in situ methane flux from underlying gas hydrate. Geology, 1996, 24, 655.	2.0	478
2	Global and local variations of interstitial sulfate gradients in deep-water, continental margin sediments: Sensitivity to underlying methane and gas hydrates. Marine Geology, 1999, 159, 131-154.	0.9	328
3	Is the extent of glaciation limited by marine gasâ€hydrates?. Geophysical Research Letters, 1991, 18, 432-434.	1.5	230
4	Authigenic carbonate formation at hydrocarbon seeps in continental margin sediments: A comparative study. Deep-Sea Research Part II: Topical Studies in Oceanography, 2007, 54, 1268-1291.	0.6	229
5	Methane-rich plumes on the Carolina continental rise: Associations with gas hydrates. Geology, 1995, 23, 89.	2.0	173
6	Increased continental-margin slumping frequency during sea-level lowstands above gas hydrateâ€“bearing sediments. Geology, 1996, 24, 143.	2.0	157
7	Are 34S-enriched authigenic sulfide minerals a proxy for elevated methane flux and gas hydrates in the geologic record?. Marine and Petroleum Geology, 2013, 43, 381-395.	1.5	142
8	Carbon cycling within the upper methanogenic zone of continental rise sediments; An example from the methane-rich sediments overlying the Blake Ridge gas hydrate deposits. Marine Chemistry, 1997, 57, 299-311.	0.9	135
9	Trail of sand in upper Monterey Canyon: Offshore California. Bulletin of the Geological Society of America, 2005, 117, 1134.	1.6	131
10	In situ Autonomous Acquisition and Preservation of Marine Environmental DNA Using an Autonomous Underwater Vehicle. Frontiers in Marine Science, 2019, 6, .	1.2	88
11	Planktonic and Sediment-Associated Aerobic Methanotrophs in Two Seep Systems along the North American Margin. Applied and Environmental Microbiology, 2008, 74, 3985-3995.	1.4	85
12	Association among active seafloor deformation, mound formation, and gas hydrate growth and accumulation within the seafloor of the Santa Monica Basin, offshore California. Marine Geology, 2008, 250, 258-275.	0.9	84
13	A hydrothermal seep on the Costa Rica margin: middle ground in a continuum of reducing ecosystems. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 2580-2588.	1.2	81
14	Origin of pockmarks and chimney structures on the flanks of the Storegga Slide, offshore Norway. Geo-Marine Letters, 2008, 28, 43-51.	0.5	79
15	Distributions of putative aerobic methanotrophs in diverse pelagic marine environments. ISME Journal, 2010, 4, 700-710.	4.4	77
16	Trapping of magma at midcrustal density discontinuities. Geophysical Research Letters, 1988, 15, 673-675.	1.5	68
17	Authigenic carbon entombed in methane-soaked sediments from the northeastern transform margin of the Guaymas Basin, Gulf of California. Deep-Sea Research Part II: Topical Studies in Oceanography, 2007, 54, 1240-1267.	0.6	57
18	Development and deployment of a deep-sea Raman probe for measurement of pore water geochemistry. Deep-Sea Research Part I: Oceanographic Research Papers, 2010, 57, 297-306.	0.6	55

#	Article	IF	Citations
19	Crustal extension, crustal density, and the evolution of Cenozoic magmatism in the basin and range of the western United States. Journal of Geophysical Research, 1989, 94, 7952-7960.	3.3	51
20	In situ Raman-based measurements of high dissolved methane concentrations in hydrate-rich ocean sediments. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	47
21	Autonomous Application of Quantitative PCR in the Deep Sea: In Situ Surveys of Aerobic Methanotrophs Using the Deep-Sea Environmental Sample Processor. Environmental Science & Technology, 2013, 47, 9339-9346.	4.6	47
22	Sources of methane inferred from pore-water Î´13C of dissolved inorganic carbon in Pockmark G11, offshore Mid-Norway. Chemical Geology, 2010, 275, 127-138.	1.4	44
23	Abundance and distribution of diverse membraneâ€bound monooxygenase (<scp>C</scp>uâ€<scp>MMO</scp>) genes within the <scp>C</scp>osta <scp>R</scp>ica oxygen minimum zone. Environmental Microbiology Reports, 2013, 5, 414-423.	1.0	42
24	Phase equilibria along a basalt-rhyolite mixing line: implications for the origin of calc-alkaline intermediate magmas. Contributions To Mineralogy and Petrology, 1989, 101, 232-244.	1.2	41
25	Discordant 14C-stratigraphies in upper Monterey Canyon: A signal of anthropogenic disturbance. Marine Geology, 2006, 233, 21-36.	0.9	37
26	Co-registered Geochemistry and Metatranscriptomics Reveal Unexpected Distributions of Microbial Activity within a Hydrothermal Vent Field. Frontiers in Microbiology, 2017, 8, 1042.	1.5	26
27	Methane-derived authigenic carbonates from the northern Gulf of Mexico â€" MD02 Cruise. Journal of Geochemical Exploration, 2007, 95, 1-15.	1.5	24
28	Graphical analysis of enthalpy-composition relationships in mixed magmas. Journal of Volcanology and Geothermal Research, 1992, 51, 23-40.	0.8	14
29	Deep sea vibracoring system improves ROV sampling capability. Eos, 2001, 82, 325-325.	0.1	13