David C Smith

List of Publications by Year
in descending order

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47	6,763	172457	233421
papers	citations	29 h-index	45 g-index

48	48	48	6516
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The contribution of water radiolysis to marine sedimentary life. Nature Communications, 2021, 12, 1297.	12.8	24
2	Atribacteria Reproducing over Millions of Years in the Atlantic Abyssal Subseafloor. MBio, 2020, 11, .	4.1	23
3	Archaea dominate oxic subseafloor communities over multimillion-year time scales. Science Advances, 2019, 5, eaaw4108.	10.3	70
4	Bacterial diversity and community composition from seasurface to subseafloor. ISME Journal, 2016, 10, 979-989.	9.8	223
5	Presence of oxygen and aerobic communities from sea floor to basement in deep-sea sediments. Nature Geoscience, 2015, 8, 299-304.	12.9	226
6	Bacterial and archaeal biogeography of the deep chlorophyll maximum in the South Pacific Gyre. Aquatic Microbial Ecology, 2015, 75, 1-13.	1.8	24
7	Chlorine dioxide as a treatment for ballast water to control invasive species: Shipboard testing. Marine Pollution Bulletin, 2013, 75, 76-89.	5.0	29
8	Targeted search for actinomycetes from nearshore and deep-sea marine sediments. FEMS Microbiology Ecology, 2013, 84, 510-518.	2.7	35
9	Global distribution of microbial abundance and biomass in subseafloor sediment. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 16213-16216.	7.1	827
10	PAH mineralization and bacterial organotolerance in surface sediments of the Charleston Harbor estuary. Biodegradation, 2010, 21, 257-266.	3.0	19
11	Subseafloor sedimentary life in the South Pacific Gyre. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 11651-11656.	7.1	261
12	An improved electroelution method for separation of DNA from humic substances in marine sediment DNA extracts. FEMS Microbiology Ecology, 2009, 69, 125-131.	2.7	21
13	Microbial diversity in Cenozoic sediments recovered from the Lomonosov Ridge in the Central Arctic Basin. Environmental Microbiology, 2009, 11, 630-639.	3.8	24
14	Hydrogenase Activity in Deeply Buried Sediments of the Arctic and North Atlantic Oceans. Geomicrobiology Journal, 2009, 26, 537-545.	2.0	8
15	Measurement of copepod predation on nauplii using qPCR of the cytochrome oxidase I gene. Marine Biology, 2008, 153, 699-707.	1.5	45
16	Community and household determinants of water quality in coastal Ghana. Journal of Water and Health, 2008, 6, 339-349.	2.6	34
17	New cell extraction procedure applied to deep subsurface sediments. Limnology and Oceanography: Methods, 2008, 6, 236-245.	2.0	131
18	Multiplex Quantitative Real-Time Reverse Transcriptase PCR for F + -Specific RNA Coliphages: a Method for Use in Microbial Source Tracking. Applied and Environmental Microbiology, 2007, 73, 808-814.	3.1	71

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19	A versatile and sensitive tritium-based radioassay for measuring hydrogenase activity in aquatic sediments. Journal of Microbiological Methods, 2006, 66, 136-146.	1.6	11
20	Exploration of Life in Deep Subseafloor Sediments. Oceanography, 2006, 19, 58-70.	1.0	14
21	The Cenozoic palaeoenvironment of the Arctic Ocean. Nature, 2006, 441, 601-605.	27.8	471
22	Dissolved Oxygen Saturation Controls PAH Biodegradation in Freshwater Estuary Sediments. Microbial Ecology, 2005, 49, 226-235.	2.8	29
23	Distributions of Microbial Activities in Deep Subseafloor Sediments. Science, 2004, 306, 2216-2221.	12.6	681
24	Seasonal patterns in bacterioplankton abundance and production in Narragansett Bay, Rhode Island, USA. Aquatic Microbial Ecology, 2004, 35, 275-282.	1.8	46
25	Molecular analysis of deep subsurface microbial communities in Nankai Trough sediments (ODP Leg) Tj ETQq1 1 0.784314 rgBT /Over	2.7	125
26	Characteristics, distribution and persistence of thin layers over a 48 hour period. Marine Ecology - Progress Series, 2003, 261, 1-19.	1.9	171
27	Seasonal Succession of the PAH-Mineralizing Bacteria in Creosote-Impacted Intertidal Sediments. Soil and Sediment Contamination, 2002, 11, 479-479.	1.9	0
28	Bacterial Production Stimulated Across the Zone of Influence of a Ground Water Circulation Well in a BTEX-Contaminated Aquifer. Ground Water Monitoring and Remediation, 2002, 22, 144-150.	0.8	3
29	New insights into deformation and fluid flow processes in the Nankai Trough accretionary prism: Results of Ocean Drilling Program Leg 190. Geochemistry, Geophysics, Geosystems, 2001, 2, n/a-n/a.	2.5	189
30	Heterotrophic bacterioplankton in the Arabian Sea:. Deep-Sea Research Part II: Topical Studies in Oceanography, 2001, 48, 1303-1323.	1.4	57
31	The seasonal development of the bacterioplankton bloom in the Ross Sea, Antarctica, 1994â€“1997. Deep-Sea Research Part II: Topical Studies in Oceanography, 2001, 48, 4199-4221.	1.4	100
32	Effects of Oxygenation on Hydrocarbon Biodegradation in a Hypoxic Environment. Bioremediation Journal, 2001, 5, 145-157.	2.0	4
33	MARINE BIOLOGY: Expansion of the Marine Archaea. Science, 2001, 293, 56-57.	12.6	2
34	Tracer-Based Estimates of Drilling-Induced Microbial Contamination of Deep Sea Crust. Geomicrobiology Journal, 2000, 17, 207-219.	2.0	144
35	Microbial food web structure in the Arabian Sea: a US JGOFS study. Deep-Sea Research Part II: Topical Studies in Oceanography, 2000, 47, 1387-1422.	1.4	198
36	Variability in ectohydrolytic enzyme activities of pelagic marine bacteria and its significance for substrate processing in the sea. Aquatic Microbial Ecology, 1996, 10, 223-230.	1.8	309

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37	Abundance and production of bacteria and viruses in the Bering and Chukchi Seas. Marine Ecology - Progress Series, 1996, 131, 287-300.	1.9	262
38	Bacterial mediation of carbon fluxes during a diatom bloom in a mesocosm. Deep-Sea Research Part II: Topical Studies in Oceanography, 1995, 42, 75-97.	1.4	235
39	Bacteria in Oceanic Carbon Cycling as a Molecular Problem. , 1995, , 39-54.		12
40	Bacteria-organic matter coupling and its significance for oceanic carbon cycling. Microbial Ecology, 1994, 28, 167-179.	2.8	263
41	Significance of bacteria in carbon fluxes in the Arabian Sea. Journal of Earth System Science, 1994, 103, 341-351.	1.3	24
42	Nucleic acids from the host bacterium as a major source of nucleotides for three marine bacteriophages. FEMS Microbiology Ecology, 1993, 12, 237-248.	2.7	42
43	Blooms of sequence-specific culturable bacteria in the sea. FEMS Microbiology Letters, 1993, 102, 161-166.	1.8	126
44	Spatial distribution of viruses, bacteria and chlorophyll a in nentic, oceanic and estuarme environments. Marine Ecology - Progress Series, 1993, 92, 77-87.	1.9	187
45	Bacterial transformation and transport of organic matter in the Southern California Bight. Progress in Oceanography, 1992, 30, 151-166.	3.2	23
46	Intense hydrolytic enzyme activity on marine aggregates and implications for rapid particle dissolution. Nature, 1992, 359, 139-142.	27.8	889
47	The role of the microbial loop in Antarctic pelagic ecosystems. Polar Research, 1991, 10, 239-244.	1.6	51