Daniel L Distel

List of Publications by Year
in descending order

82	8,402	66234	74018
papers	citations	42 h-index	75 g-index

87	87	87	7607
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Ocean Genome Legacy: A Genomic Resource Repository for Marine Life. Biopreservation and Biobanking, 2022, 20, 104-106.	0.5	5
2	Contrasting Modes of Mitochondrial Genome Evolution in Sister Taxa of Wood-Eating Marine Bivalves (Teredinidae and Xylophagaidae). Genome Biology and Evolution, 2022, 14, .	1.1	2
3	Teredinibacter haidensis sp. nov., Teredinibacter purpureus sp. nov. and Teredinibacter franksiae sp. nov., marine, cellulolytic endosymbiotic bacteria isolated from the gills of the wood-boring mollusc Bankia setacea (Bivalvia: Teredinidae) and emended description of the genus Teredinibacter. International Journal of Systematic and Evolutionary Microbiology, 2021, 71, .	0.8	20
4	Description of two new genera and two new species of antipatharian corals in the family Aphanipathidae (Cnidaria: Anthozoa: Antipatharia). Zootaxa, 2021, 4966, 161174.	0.2	3
5	Vascular Plants Are Globally Significant Contributors to Marine Carbon Fluxes and Sinks. Annual Review of Marine Science, 2020, 12, 469-497.	5.1	50
6	DESS deconstructed: Is EDTA solely responsible for protection of high molecular weight DNA in this common tissue preservative?. PLoS ONE, 2020, 15, e0237356.	1.1	10
7	Mate competition during pseudocopulation in shipworms. Biology Letters, 2020, 16, 20200626.	1.0	3
8	A Highly Prevalent and Pervasive Densovirus Discovered among Sea Stars from the North American Atlantic Coast. Applied and Environmental Microbiology, 2020, 86, .	1.4	20
9	A symbiotic bacterium of shipworms produces a compound with broad spectrum anti-apicomplexan activity. PLoS Pathogens, 2020, 16, e1008600.	2.1	20
10	Secondary Metabolism in the Gill Microbiota of Shipworms (Teredinidae) as Revealed by Comparison of Metagenomes and Nearly Complete Symbiont Genomes. MSystems, 2020, 5, .	1.7	15
11	Teredinibacter waterburyi sp. nov., a marine, cellulolytic endosymbiotic bacterium isolated from the gills of the wood-boring mollusc Bankia setacea (Bivalvia: Teredinidae) and emended description of the genus Teredinibacter. International Journal of Systematic and Evolutionary Microbiology, 2020, 70, 2388-2394.	0.8	18
12	Title is missing!. , 2020, 16, e1008600.		0
13	Title is missing!. , 2020, 16, e1008600.		0
14	Title is missing!. , 2020, 16, e1008600.		0
15	Title is missing!. , 2020, 16, e1008600.		0
16	Title is missing!. , 2020, 16, e1008600.		0
17	Title is missing!. , 2020, 16, e1008600.		0
18	Shipworm bioerosion of lithic substrates in a freshwater setting, Abatan River, Philippines: Ichnologic, paleoenvironmental and biogeomorphical implications. PLoS ONE, 2019, 14, e0224551.	1.1	5

#	Article	IF	Citations
19	A rock-boring and rock-ingesting freshwater bivalve (shipworm) from the Philippines. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20190434.	1.2	25
20	Thiosocius teredinicola gen. nov., sp. nov., a sulfur-oxidizing chemolithoautotrophic endosymbiont cultivated from the gills of the giant shipworm, Kuphus polythalamius. International Journal of Systematic and Evolutionary Microbiology, 2019, 69, 638-644.	0.8	17
21	Tamilokus mabinia, a new, anatomically divergent genus and species of wood-boring bivalve from the Philippines. PeerJ, 2019, 7, e6256.	0.9	6
22	Observations on the Life History and Geographic Range of the Giant Chemosymbiotic Shipworm Kuphus polythalamius (Bivalvia: Teredinidae). Biological Bulletin, 2018, 235, 167-177.	0.7	15
23	Whole Genome Amplification Provides Suitable Control DNA for Use in DNA Barcoding Applications. Biopreservation and Biobanking, 2017, 15, 277-279.	0.5	2
24	Discovery of chemoautotrophic symbiosis in the giant shipworm Kuphus polythalamia (Bivalvia:) Tj ETQq0 0 0 rgBT /Overlock 10 T United States of America, 2017, 114, E3652-E3658.	3.3	72
25	Zachsia zenkewitschi (Teredinidae), a Rare and Unusual Seagrass Boring Bivalve Revisited and Redescribed. PLoS ONE, 2016, 11, e0155269.	1.1	19
26	Lignocellulose degradation mechanisms across the Tree of Life. Current Opinion in Chemical Biology, 2015, 29, 108-119.	2.8	478
27	The Global Invertebrate Genomics Alliance (GIGA): Developing Community Resources to Study Diverse Invertebrate Genomes. Journal of Heredity, 2014, 105, 1-18.	1.0	96
28	Gill bacteria enable a novel digestive strategy in a wood-feeding mollusk. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E5096-104.	3.3	98
29	Genetic differentiation among isolates of Teredinibacter turnerae, a widely occurring intracellular endosymbiont of shipworms. Molecular Ecology, 2014, 23, 1418-1432.	2.0	19
30	Boronated tartrolon antibiotic produced by symbiotic cellulose-degrading bacteria in shipworm gills. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E295-304.	3.3	89
31	Turnerbactin, a Novel Triscatecholate Siderophore from the Shipworm Endosymbiont Teredinibacter turnerae T7901. PLoS ONE, 2013, 8, e76151.	1.1	55
32	Diversity and dynamics of bacterial communities in early life stages of the Caribbean coral Porites astreoides. ISME Journal, 2012, 6, 790-801.	4.4	163
33	Microbial Distribution and Abundance in the Digestive System of Five Shipworm Species (Bivalvia:) Tj ETQq1 1 0.784314 rgBT /Overlo	1.1	51
34	Molecular phylogeny of Pholadoidea Lamarck, 1809 supports a single origin for xylotrophy (wood) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2011, 61, 245-254.	1.2	98
35	The Complete Genome of Teredinibacter turnerae T7901: An Intracellular Endosymbiont of Marine Wood-Boring Bivalves (Shipworms). PLoS ONE, 2009, 4, e6085.	1.1	93
36	Phylogenetic Analysis Implicates Birds as a Source ofCryptosporidiumspp. Oocysts in Agricultural Watersheds. Environmental Science & Technology, 2007, 41, 3620-3625.	4.6	13

#	Article	IF	Citations
37	CelAB, a Multifunctional Cellulase Encoded by Teredinibacter turnerae T7902 T , a Culturable Symbiont Isolated from the Wood-Boring Marine Bivalve Lyrodus pedicellatus. Applied and Environmental Microbiology, 2007, 73, 7785-7788.	1.4	43
38	Quantitative Imaging of Nitrogen Fixation by Individual Bacteria Within Animal Cells. Science, 2007, 317, 1563-1566.	6.0	266
39	Molecular biorepositories and biomaterials management: enhancing the value of highthroughput molecular methodologies for the natural sciences. Marine Ecology - Progress Series, 2007, 332, 307-310.	0.9	3
40	High-resolution quantitative imaging of mammalian and bacterial cells using stable isotope mass spectrometry. Journal of Biology, 2006, 5, 20.	2.7	308
41	Extensive Variation in Intracellular Symbiont Community Composition among Members of a Single Population of the Wood-Boring Bivalve Lyrodus pedicellatus (Bivalvia: Teredinidae). Applied and Environmental Microbiology, 2006, 72, 412-417.	1.4	39
42	Genotypic Diversity Within a Natural Coastal Bacterioplankton Population. Science, 2005, 307, 1311-1313.	6.0	331
43	Phylogenetic Analysis of the Hypervariable Region of the 18S rRNA Gene of Cryptosporidium Oocysts in Feces of Canada Geese (Branta canadensis): Evidence for Five Novel Genotypes. Applied and Environmental Microbiology, 2004, 70, 452-458.	1.4	72
44	Fine-scale phylogenetic architecture of a complex bacterial community. Nature, 2004, 430, 551-554.	13.7	475
45	Purification and characterization of an endo-1, 4-ï¿½-D glucanase from the cellulolytic system of the wood-boring marine mollusk Lyrodus pedicellatus (Bivalvia: Teredinidae). Marine Biology, 2004, 144, 947-953.	0.7	13
46	Characterization and expression of genes from the RubisCO gene cluster of the chemoautotrophic symbiont of Solemya velum: cbbLSQO. Archives of Microbiology, 2004, 182, 18-29.	1.0	26
47	Molecular and Functional Analysis of an Interferon Gene from the Zebrafish, Danio rerio. Journal of Virology, 2003, 77, 1992-2002.	1.5	278
48	Protistan Grazing Analysis by Flow Cytometry Using Prey Labeled by In Vivo Expression of Fluorescent Proteins. Applied and Environmental Microbiology, 2003, 69, 6848-6855.	1.4	31
49	The Biology of Marine Wood Boring Bivalves and Their Bacterial Endosymbionts. ACS Symposium Series, 2003, , 253-271.	0.5	45
50	Detection of the oyster parasite Bonamia ostreae by fluorescent in situ hybridization. Diseases of Aquatic Organisms, 2003, 55, 247-252.	0.5	30
51	Teredinibacter turnerae gen. nov., sp. nov., a dinitrogen-fixing, cellulolytic, endosymbiotic gamma-proteobacterium isolated from the gills of wood-boring molluscs (Bivalvia: Teredinidae). International Journal of Systematic and Evolutionary Microbiology, 2002, 52, 2261-2269.	0.8	86
52	Coexistence of Multiple Proteobacterial Endosymbionts in the Gills of the Wood-Boring Bivalve Lyrodus pedicellatus (Bivalvia: Teredinidae). Applied and Environmental Microbiology, 2002, 68, 6292-6299.	1.4	79
53	Resolution of Prochlorococcus and Synechococcus Ecotypes by Using 16S-23S Ribosomal DNA Internal Transcribed Spacer Sequences. Applied and Environmental Microbiology, 2002, 68, 1180-1191.	1.4	474
54	Teredinibacter turnerae gen. nov., sp. nov., a dinitrogen-fixing, cellulolytic, endosymbiotic gamma-proteobacterium isolated from the gills of wood-boring molluscs (Bivalvia: Teredinidae).. International Journal of Systematic and Evolutionary Microbiology, 2002, 52, 2261-2269.	0.8	112

#	Article	IF	Citations
55	Phylogenetic Relationships among Mytilidae (Bivalvia): 18S rRNA Data Suggest Convergence in Mytilid Body Plans. Molecular Phylogenetics and Evolution, 2000, 15, 25-33.	1.2	77
56	Do mussels take wooden steps to deep-sea vents?. Nature, 2000, 403, 725-726.	13.7	254
57	Triploblastic Relationships with Emphasis on the Acoelomates and the Position of Gnathostomulida, Cycliophora, Plathelminthes, and Chaetognatha: A Combined Approach of 18S rDNA Sequences and Morphology. Systematic Biology, 2000, 49, 539-562.	2.7	381
58	Development of a PCR assay for detection of the oyster pathogen Bonamia ostreae and support for its inclusion in the Haplosporidia. Diseases of Aquatic Organisms, 2000, 42, 199-206.	0.5	88
59	Rapid Diversification of Marine Picophytoplankton with Dissimilar Light-Harvesting Structures Inferred from Sequences of Prochlorococcus and Synechococcus (Cyanobacteria). Journal of Molecular Evolution, 1998, 46, 188-201.	0.8	230
60	Evolution of Chemoautotrophic Endosymbioses in Bivalves. BioScience, 1998, 48, 277-286.	2.2	97
61	Bacterial Endosymbionts in the Gills of the Deep-Sea Wood-Boring Bivalves Xylophaga atlantica and Xylophaga washingtona. Biological Bulletin, 1997, 192, 253-261.	0.7	87
62	Intracellular coexistence of methano- and thioautotrophic bacteria in a hydrothermal vent mussel.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 9598-9602.	3.3	147
63	Characterization of chemoautotrophic bacterial symbionts in a gutless marine worm Oligochaeta, Environmental Microbiology, 1995, 61, 2346-2350.	1.4	77
64	Evidence for phylogenetic congruence among sulfur-oxidizing chemoautotrophic bacterial endosymbionts and their bivalve hosts. Journal of Molecular Evolution, 1994, 38, 533-542.	0.8	101
65	Independent phylogenetic origins of methanotrophic and chemoautotrophic bacterial endosymbioses in marine bivalves. Journal of Bacteriology, 1994, 176, 1932-1938.	1.0	86
66	Phylogenetic analysis of a highly specific association between ectosymbiotic, sulfur-oxidizing bacteria and a marine nematode. Applied and Environmental Microbiology, 1994, 60, 4461-4467.	1.4	101
67	Bioluminescent symbionts of flashlight fishes and deep-sea anglerfishes form unique lineages related to the genus Vibrio. Nature, 1993, 363, 154-156.	13.7	89
68	Polymerase Chain reaction and 16S rRNA gene sequences from the luminous bacterial symbionts of two deep-sea anglerfishes. Journal of the Marine Biological Association of the United Kingdom, 1992, 72, 149-159.	0.4	29
69	Characterization of the gill symbiont of Thyasira flexuosa (Thyasiridae: Bivalvia) by use of polymerase chain reaction and 16S rRNA sequence analysis. Journal of Bacteriology, 1992, 174, 6317-6320.	1.0	50
70	Prokaryotic Symbionts of Marine Invertebrates. , 1992, , 3891-3906.		18
71	Phylogenetic characterization and in situ localization of the bacterial symbiont of shipworms (Teredinidae: Bivalvia) by using 16S rRNA sequence analysis and oligodeoxynucleotide probe hybridization. Applied and Environmental Microbiology, 1991, 57, 2376-2382.	1.4	113
72	Pathways of inorganic carbon fixation in the endosymbiont-bearing lucinid clamLucinoma aequizonata. Part 1. Purification and characterization of the endosymbiotic bacteria. The Journal of Experimental Zoology, 1988, 247, 1-10.	1.4	38

#	Article	IF	Citations
73	Pathways of inorganic carbon fixation in the endosymbiont-bearing lucinid clamLucinoma aequizonata. Part 2. Analysis of the individual contributions of host and symbiont cells to inorganic carbon assimilation. The Journal of Experimental Zoology, 1988, 247, 11-22.	1.4	24
74	Variation in the hydrothermal vent clam, Calyptogen magnifica, at the Rose Garden vent on the Galapagos spreading center. Deep-sea Research Part A, Oceanographic Research Papers, 1988, 35, 1811-1831.	1.6	62
75	Physiology, morphology, and biochemical composition of Riftia pachyptila at Rose Garden in 1985. Deep-sea Research Part A, Oceanographic Research Papers, 1988, 35, 1745-1758.	1.6	61
76	Microhabitat variation in the hydrothermal vent mussel, Bathymodiolus thermophilus, at the Rose Garden vent on the Galapagos Rift. Deep-sea Research Part A, Oceanographic Research Papers, 1988, 35, 1769-1791.	1.6	120
77	Sulfur-oxidizing bacterial endosymbionts: analysis of phylogeny and specificity by 16S rRNA sequences. Journal of Bacteriology, 1988, 170, 2506-2510.	1.0	226
78	Endosymbiosis in the lucinid clams Lucinoma aequizonata, Lucinoma annulata and Lucina floridana: a reexamination of the functional morphology of the gills as bacteria-bearing organs. Marine Biology, 1987, 96, 79-86.	0.7	78
79	Cyclin: A protein specified by maternal mRNA in sea urchin eggs that is destroyed at each cleavage division. Cell, 1983, 33, 389-396.	13.5	1,438
80	Association of ⁴⁵calcium with rat mast cells stimulated by 48/80: effects of inactivation, calcium and metabolic inhibition. Journal of Physiology, 1982, 330, 413-427.	1.3	9
81	Stimulusâ€secretion coupling in rat mast cells: inactivation of extracellular calcium dependent secretion.. Journal of Physiology, 1982, 323, 423-435.	1.3	21
82	Mitogenomics reveals low variation within a trigeneric complex of black corals from the North Pacific Ocean. Organisms Diversity and Evolution, 0, , 1.	0.7	1