

Elizabeth Ann Dinsdale

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

8,095
citations

117625

34
h-index

79698

73
g-index

91
all docs

91
docs citations

91
times ranked

9703
citing authors

#	ARTICLE	IF	CITATIONS
1	Functional metagenomic profiling of nine biomes. <i>Nature</i> , 2008, 452, 629-632.	27.8	842
2	Baselines and Degradation of Coral Reefs in the Northern Line Islands. <i>PLoS ONE</i> , 2008, 3, e1548.	2.5	711
3	Gene-centric metagenomics of the fiber-adherent bovine rumen microbiome reveals forage specific glycoside hydrolases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 1948-1953.	7.1	669
4	A highly abundant bacteriophage discovered in the unknown sequences of human faecal metagenomes. <i>Nature Communications</i> , 2014, 5, 4498.	12.8	617
5	Metagenomic analysis of stressed coral holobionts. <i>Environmental Microbiology</i> , 2009, 11, 2148-2163.	3.8	551
6	Viral and microbial community dynamics in four aquatic environments. <i>ISME Journal</i> , 2010, 4, 739-751.	9.8	387
7	Microbial Ecology of Four Coral Atolls in the Northern Line Islands. <i>PLoS ONE</i> , 2008, 3, e1584.	2.5	383
8	Coral Disease on the Great Barrier Reef. , 2004, , 69-104.		269
9	Comparative Metagenomics Reveals Host Specific Metavirulomes and Horizontal Gene Transfer Elements in the Chicken Cecum Microbiome. <i>PLoS ONE</i> , 2008, 3, e2945.	2.5	247
10	Local genomic adaptation of coral reef-associated microbiomes to gradients of natural variability and anthropogenic stressors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 10227-10232.	7.1	220
11	Global microbialization of coral reefs. <i>Nature Microbiology</i> , 2016, 1, 16042.	13.3	214
12	Metagenomic and stable isotopic analyses of modern freshwater microbialites in Cuatro CiÃ©negas, Mexico. <i>Environmental Microbiology</i> , 2009, 11, 16-34.	3.8	204
13	Do the organic sulfur compounds DMSP and DMS drive coral microbial associations?. <i>Trends in Microbiology</i> , 2010, 18, 101-108.	7.7	203
14	Global phylogeography and ancient evolution of the widespread human gut virus crAssphage. <i>Nature Microbiology</i> , 2019, 4, 1727-1736.	13.3	184
15	The GAAS Metagenomic Tool and Its Estimations of Viral and Microbial Average Genome Size in Four Major Biomes. <i>PLoS Computational Biology</i> , 2009, 5, e1000593.	3.2	177
16	PHANOTATE: a novel approach to gene identification in phage genomes. <i>Bioinformatics</i> , 2019, 35, 4537-4542.	4.1	147
17	Abrolhos Bank Reef Health Evaluated by Means of Water Quality, Microbial Diversity, Benthic Cover, and Fish Biomass Data. <i>PLoS ONE</i> , 2012, 7, e36687.	2.5	125
18	Metagenomic Insights into Anaerobic Metabolism along an Arctic Peat Soil Profile. <i>PLoS ONE</i> , 2013, 8, e64659.	2.5	121

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19	Hyperspectral and Physiological Analyses of Coral-Algal Interactions. PLoS ONE, 2009, 4, e8043.	2.5	98
20	Elevated temperature drives kelp microbiome dysbiosis, while elevated carbon dioxide induces water microbiome disruption. PLoS ONE, 2018, 13, e0192772.	2.5	95
21	Bioinformatics core competencies for undergraduate life sciences education. PLoS ONE, 2018, 13, e0196878.	2.5	93
22	Assembly Rules of Reef Corals Are Flexible along a Steep Climatic Gradient. Current Biology, 2012, 22, 736-741.	3.9	81
23	Baseline Assessment of Mesophotic Reefs of the Vitória-Trindade Seamount Chain Based on Water Quality, Microbial Diversity, Benthic Cover and Fish Biomass Data. PLoS ONE, 2015, 10, e0130084.	2.5	81
24	Oxygen minimum zones harbour novel viral communities with low diversity. Environmental Microbiology, 2012, 14, 3043-3065.	3.8	68
25	Assessing Anchor Damage on Coral Reefs: A Case Study in Selection of Environmental Indicators. Environmental Management, 2004, 33, 126-139.	2.7	67
26	Microbial processes driving coral reef organic carbon flow. FEMS Microbiology Reviews, 2017, 41, 575-595.	8.6	67
27	Black reefs: iron-induced phase shifts on coral reefs. ISME Journal, 2012, 6, 638-649.	9.8	65
28	Distinct biogeographical patterns of marine bacterial taxonomy and functional genes. Global Ecology and Biogeography, 2017, 26, 177-190.	5.8	65
29	Combining de novo and reference-guided assembly with scaffold_builder. Source Code for Biology and Medicine, 2013, 8, 23.	1.7	59
30	Optimizing and evaluating the reconstruction of Metagenome-assembled microbial genomes. BMC Genomics, 2017, 18, 915.	2.8	59
31	Multivariate analysis of functional metagenomes. Frontiers in Genetics, 2013, 4, 41.	2.3	47
32	The skin microbiome of the common thresher shark (<i>Alopias vulpinus</i>) has low taxonomic and gene function diversity. Environmental Microbiology Reports, 2017, 9, 357-373.	2.4	47
33	Microbial abundance, composition, and function in nectar are shaped by flower visitor identity. FEMS Microbiology Ecology, 2020, 96, .	2.7	46
34	Genome skimming™ with the MinION hand-held sequencer identifies CITES-listed shark species in India's exports market. Scientific Reports, 2019, 9, 4476.	3.3	45
35	Barriers to integration of bioinformatics into undergraduate life sciences education: A national study of US life sciences faculty uncover significant barriers to integrating bioinformatics into undergraduate instruction. PLoS ONE, 2019, 14, e0224288.	2.5	40
36	Genomic Comparison of the Closely-Related Salmonella enterica Serovars Enteritidis, Dublin and Gallinarum. PLoS ONE, 2015, 10, e0126883.	2.5	39

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37	The skin microbiome of elasmobranchs follows phylosymbiosis, but in teleost fishes, the microbiomes converge. <i>Microbiome</i> , 2020, 8, 93.	11.1	37
38	Rhodoliths holobionts in a changing ocean: host-microbes interactions mediate coralline algae resilience under ocean acidification. <i>BMC Genomics</i> , 2018, 19, 701.	2.8	34
39	Fish or Germs? Microbial Dynamics Associated with Changing Trophic Structures on Coral Reefs. , 2011, , 231-240.		33
40	Can we measure beauty? Computational evaluation of coral reef aesthetics. <i>PeerJ</i> , 2015, 3, e1390.	2.0	31
41	NIBLSE: A Network for Integrating Bioinformatics into Life Sciences Education. <i>CBE Life Sciences Education</i> , 2015, 14, 1e3.	2.3	30
42	Bacterial Community Associated with the Reef Coral <i>Mussismilia braziliensis</i> 's Momentum Boundary Layer over a Diel Cycle. <i>Frontiers in Microbiology</i> , 2017, 8, 784.	3.5	30
43	Modeling of the Coral Microbiome: the Influence of Temperature and Microbial Network. <i>MBio</i> , 2020, 11, .	4.1	30
44	Microbes, metagenomes and marine mammals: enabling the next generation of scientist to enter the genomic era. <i>BMC Genomics</i> , 2013, 14, 600.	2.8	27
45	Genomic and ecological attributes of marine bacteriophages encoding bacterial virulence genes. <i>BMC Genomics</i> , 2020, 21, 126.	2.8	26
46	Substrate Type Determines Metagenomic Profiles from Diverse Chemical Habitats. <i>PLoS ONE</i> , 2011, 6, e25173.	2.5	26
47	Characterization of the ELPhiS Prophage from <i>Salmonella enterica</i> Serovar Enteritidis Strain LK5. <i>Applied and Environmental Microbiology</i> , 2012, 78, 1785-1793.	3.1	23
48	Aura-biomes are present in the water layer above coral reef benthic macro-organisms. <i>PeerJ</i> , 2017, 5, e3666.	2.0	23
49	The Lagoon at Caroline/Millennium Atoll, Republic of Kiribati: Natural History of a Nearly Pristine Ecosystem. <i>PLoS ONE</i> , 2010, 5, e10950.	2.5	22
50	Diversity of Microbial Carbohydrate-Active enZymes (CAZymes) Associated with Freshwater and Soil Samples from Caatinga Biome. <i>Microbial Ecology</i> , 2017, 74, 89-105.	2.8	19
51	Sequencing at sea: challenges and experiences in Ion Torrent PGM sequencing during the 2013 Southern Line Islands Research Expedition. <i>PeerJ</i> , 2014, 2, e520.	2.0	19
52	Nearshore Pelagic Microbial Community Abundance Affects Recruitment Success of Giant Kelp, <i>Macrocystis pyrifera</i> . <i>Frontiers in Microbiology</i> , 2016, 7, 1800.	3.5	18
53	Functional characterization of ligninolytic <i>Klebsiella</i> spp. strains associated with soil and freshwater. <i>Archives of Microbiology</i> , 2018, 200, 1267-1278.	2.2	18
54	Taking Advantage of the Genomics Revolution for Monitoring and Conservation of Chondrichthyan Populations. <i>Diversity</i> , 2019, 11, 49.	1.7	18

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55	Incubators: Building community networks and developing open educational resources to integrate bioinformatics into life science education. <i>Biochemistry and Molecular Biology Education</i> , 2020, 48, 381-390.	1.2	18
56	Assessing Coral Reef Condition: Eliciting Community Meanings. <i>Society and Natural Resources</i> , 2006, 19, 239-258.	1.9	14
57	Novel ssDNA Viruses Detected in the Virome of Bleached, Habitat-Forming Kelp <i>Ecklonia radiata</i> . <i>Frontiers in Marine Science</i> , 2018, 4, .	2.5	14
58	Mitochondrial genome to aid species delimitation and effective conservation of the Sharpnose Guitarfish (<i>Glaucostegus granulatus</i>). <i>Meta Gene</i> , 2020, 24, 100648.	0.6	13
59	Mitochondrial recovery from shotgun metagenome sequencing enabling phylogenetic analysis of the common thresher shark (<i>Alopias vulpinus</i>). <i>Meta Gene</i> , 2018, 15, 10-15.	0.6	11
60	Exploring the taxonomical and functional profile of As Burgas hot spring focusing on thermostable β -galactosidases. <i>Scientific Reports</i> , 2021, 11, 101.	3.3	11
61	Elasmobranch microbiomes: emerging patterns and implications for host health and ecology. <i>Animal Microbiome</i> , 2021, 3, 61.	3.8	11
62	Marine Environmental Genomics: Unlocking the Ocean's Secrets. <i>Oceanography</i> , 2007, 20, 56-61.	1.0	7
63	Copper tolerance and distribution of epibiotic bacteria associated with giant kelp <i>Macrocystis pyrifera</i> in southern California. <i>Ecotoxicology</i> , 2015, 24, 1131-1140.	2.4	7
64	Complete mitochondrial genome of the gray reef shark, <i>Carcharhinus amblyrhynchos</i> (Carcharhiniformes: Carcharhinidae). <i>Mitochondrial DNA Part B: Resources</i> , 2020, 5, 2080-2082.	0.4	7
65	Linking Ecological and Perceptual Assessments for Environmental Management: a Coral Reef Case Study. <i>Ecology and Society</i> , 2009, 14, .	2.3	6
66	Mitochondrial genome of the Silvertip shark, <i>Carcharhinus albimarginatus</i> , from the British Indian Ocean Territory. <i>Mitochondrial DNA Part B: Resources</i> , 2020, 5, 2085-2086.	0.4	6
67	The Epidermal Microbiome Within an Aggregation of Leopard Sharks (<i>Triakis semifasciata</i>) Has Taxonomic Flexibility with Gene Functional Stability Across Three Time-points. <i>Microbial Ecology</i> , 2023, 85, 747-764.	2.8	6
68	Mitochondrial genome of the Smoothnose wedgefish <i>Rhynchobatus laevis</i> from the Western Indian Ocean. <i>Mitochondrial DNA Part B: Resources</i> , 2020, 5, 2083-2084.	0.4	5
69	Dissecting microbial employment. <i>Nature Biotechnology</i> , 2008, 26, 997-998.	17.5	3
70	Reducing Data Deficiencies: Preliminary Elasmobranch Fisheries Surveys in India, Identify Range Extensions and Large Proportions of Female and Juvenile Landings. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	3
71	Latitude and chlorophyll a density drive the distribution of carbohydrate-active enzymes in the planktonic microbial fraction of the epipelagic zone. <i>Environmental Microbiology Reports</i> , 2020, 12, 473-485.	2.4	2
72	Mitochondrial genome of the silky shark <i>Carcharhinus falciformis</i> from the British Indian Ocean Territory Marine Protected Area. <i>Mitochondrial DNA Part B: Resources</i> , 2020, 5, 2416-2417.	0.4	2

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73	There Is More than Multiple Choice: Crowd-Sourced Assessment Tips for Online, Hybrid, and Face-to-Face Environments. <i>Journal of Microbiology and Biology Education</i> , 2021, 22, .	1.0	2
74	Complete mitochondrial genome of the whitetip reef shark <i>Triaenodon obesus</i> from the British Indian Ocean Territory Marine Protected Area. <i>Mitochondrial DNA Part B: Resources</i> , 2020, 5, 2347-2349.	0.4	0
75	Microbes. <i>Encyclopedia of Earth Sciences Series</i> , 2011, , 697-698.	0.1	0
76	Experimental Metagenomics: Influence of Pulses of Carbon Dioxide on Kelp Forest Microbial Ecology. , 2015, , 176-182.		0
77	Title is missing!. , 2019, 14, e0224288.		0
78	Title is missing!. , 2019, 14, e0224288.		0
79	Title is missing!. , 2019, 14, e0224288.		0
80	Title is missing!. , 2019, 14, e0224288.		0