

# 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	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
2	Exploring the taxonomical and functional profile of As Burgas hot spring focusing on thermostable $\beta$ -galactosidases. <i>Scientific Reports</i> , 2021, 11, 101.	3.3	11
3	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
4	Elasmobranch microbiomes: emerging patterns and implications for host health and ecology. <i>Animal Microbiome</i> , 2021, 3, 61.	3.8	11
5	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
6	Microbial abundance, composition, and function in nectar are shaped by flower visitor identity. <i>FEMS Microbiology Ecology</i> , 2020, 96, .	2.7	46
7	The skin microbiome of elasmobranchs follows phyllosymbiosis, but in teleost fishes, the microbiomes converge. <i>Microbiome</i> , 2020, 8, 93.	11.1	37
8	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
9	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
10	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
11	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
12	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
13	Genomic and ecological attributes of marine bacteriophages encoding bacterial virulence genes. <i>BMC Genomics</i> , 2020, 21, 126.	2.8	26
14	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
15	Modeling of the Coral Microbiome: the Influence of Temperature and Microbial Network. <i>MBio</i> , 2020, 11, .	4.1	30
16	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
17	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
18	Global phylogeography and ancient evolution of the widespread human gut virus crAssphage. <i>Nature Microbiology</i> , 2019, 4, 1727-1736.	13.3	184

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19	Taking Advantage of the Genomics Revolution for Monitoring and Conservation of Chondrichthyan Populations. <i>Diversity</i> , 2019, 11, 49.	1.7	18
20	PHANOTATE: a novel approach to gene identification in phage genomes. <i>Bioinformatics</i> , 2019, 35, 4537-4542.	4.1	147
21	“Genome skimming” with the MinION hand-held sequencer identifies CITES-listed shark species in India’s exports market. <i>Scientific Reports</i> , 2019, 9, 4476.	3.3	45
22	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. <i>PLoS ONE</i> , 2019, 14, e0224288.	2.5	40
23	Title is missing!. , 2019, 14, e0224288.		0
24	Title is missing!. , 2019, 14, e0224288.		0
25	Title is missing!. , 2019, 14, e0224288.		0
26	Title is missing!. , 2019, 14, e0224288.		0
27	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
28	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
29	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
30	Bioinformatics core competencies for undergraduate life sciences education. <i>PLoS ONE</i> , 2018, 13, e0196878.	2.5	93
31	Elevated temperature drives kelp microbiome dysbiosis, while elevated carbon dioxide induces water microbiome disruption. <i>PLoS ONE</i> , 2018, 13, e0192772.	2.5	95
32	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
33	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
34	The skin microbiome of the common thresher shark ( <i>Alopias vulpinus</i> ) has low taxonomic and gene function diversity. <i>Environmental Microbiology Reports</i> , 2017, 9, 357-373.	2.4	47
35	Microbial processes driving coral reef organic carbon flow. <i>FEMS Microbiology Reviews</i> , 2017, 41, 575-595.	8.6	67
36	Distinct biogeographical patterns of marine bacterial taxonomy and functional genes. <i>Global Ecology and Biogeography</i> , 2017, 26, 177-190.	5.8	65

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37	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
38	Optimizing and evaluating the reconstruction of Metagenome-assembled microbial genomes. <i>BMC Genomics</i> , 2017, 18, 915.	2.8	59
39	Aura-biomes are present in the water layer above coral reef benthic macro-organisms. <i>PeerJ</i> , 2017, 5, e3666.	2.0	23
40	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
41	Global microbialization of coral reefs. <i>Nature Microbiology</i> , 2016, 1, 16042.	13.3	214
42	Can we measure beauty? Computational evaluation of coral reef aesthetics. <i>PeerJ</i> , 2015, 3, e1390.	2.0	31
43	Genomic Comparison of the Closely-Related <i>Salmonella enterica</i> Serovars Enteritidis, Dublin and Gallinarum. <i>PLoS ONE</i> , 2015, 10, e0126883.	2.5	39
44	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
45	NIBLSE: A Network for Integrating Bioinformatics into Life Sciences Education. <i>CBE Life Sciences Education</i> , 2015, 14, 1e3.	2.3	30
46	Baseline Assessment of Mesophotic Reefs of the Vitória-Trindade Seamount Chain Based on Water Quality, Microbial Diversity, Benthic Cover and Fish Biomass Data. <i>PLoS ONE</i> , 2015, 10, e0130084.	2.5	81
47	Experimental Metagenomics: Influence of Pulses of Carbon Dioxide on Kelp Forest Microbial Ecology. , 2015, , 176-182.		0
48	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
49	A highly abundant bacteriophage discovered in the unknown sequences of human faecal metagenomes. <i>Nature Communications</i> , 2014, 5, 4498.	12.8	617
50	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
51	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
52	Combining de novo and reference-guided assembly with scaffold_builder. <i>Source Code for Biology and Medicine</i> , 2013, 8, 23.	1.7	59
53	Multivariate analysis of functional metagenomes. <i>Frontiers in Genetics</i> , 2013, 4, 41.	2.3	47
54	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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55	Black reefs: iron-induced phase shifts on coral reefs. <i>ISME Journal</i> , 2012, 6, 638-649.	9.8	65
56	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
57	Oxygen minimum zones harbour novel viral communities with low diversity. <i>Environmental Microbiology</i> , 2012, 14, 3043-3065.	3.8	68
58	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
59	Assembly Rules of Reef Corals Are Flexible along a Steep Climatic Gradient. <i>Current Biology</i> , 2012, 22, 736-741.	3.9	81
60	Fish or Germs? Microbial Dynamics Associated with Changing Trophic Structures on Coral Reefs. , 2011, , 231-240.		33
61	Substrate Type Determines Metagenomic Profiles from Diverse Chemical Habitats. <i>PLoS ONE</i> , 2011, 6, e25173.	2.5	26
62	Microbes. <i>Encyclopedia of Earth Sciences Series</i> , 2011, , 697-698.	0.1	0
63	Viral and microbial community dynamics in four aquatic environments. <i>ISME Journal</i> , 2010, 4, 739-751.	9.8	387
64	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
65	Do the organic sulfur compounds DMSP and DMS drive coral microbial associations?. <i>Trends in Microbiology</i> , 2010, 18, 101-108.	7.7	203
66	Linking Ecological and Perceptual Assessments for Environmental Management: a Coral Reef Case Study. <i>Ecology and Society</i> , 2009, 14, .	2.3	6
67	Hyperspectral and Physiological Analyses of Coral-Algal Interactions. <i>PLoS ONE</i> , 2009, 4, e8043.	2.5	98
68	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
69	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
70	Metagenomic analysis of stressed coral holobionts. <i>Environmental Microbiology</i> , 2009, 11, 2148-2163.	3.8	551
71	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
72	Functional metagenomic profiling of nine biomes. <i>Nature</i> , 2008, 452, 629-632.	27.8	842

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73	Dissecting microbial employment. <i>Nature Biotechnology</i> , 2008, 26, 997-998.	17.5	3
74	Baselines and Degradation of Coral Reefs in the Northern Line Islands. <i>PLoS ONE</i> , 2008, 3, e1548.	2.5	711
75	Microbial Ecology of Four Coral Atolls in the Northern Line Islands. <i>PLoS ONE</i> , 2008, 3, e1584.	2.5	383
76	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
77	Marine Environmental Genomics: Unlocking the Ocean's Secrets. <i>Oceanography</i> , 2007, 20, 56-61.	1.0	7
78	Assessing Coral Reef Condition: Eliciting Community Meanings. <i>Society and Natural Resources</i> , 2006, 19, 239-258.	1.9	14
79	Coral Disease on the Great Barrier Reef. , 2004, , 69-104.		269
80	Assessing Anchor Damage on Coral Reefs: A Case Study in Selection of Environmental Indicators. <i>Environmental Management</i> , 2004, 33, 126-139.	2.7	67