

Elisha M Wood-Charlson

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

1,872
citations

430874

18
h-index

361022

35
g-index

41
all docs

41
docs citations

41
times ranked

2314
citing authors

#	ARTICLE	IF	CITATIONS
1	A genomic catalog of Earth's microbiomes. <i>Nature Biotechnology</i> , 2021, 39, 499-509.	17.5	457
2	Lectin/glycan interactions play a role in recognition in a coral/dinoflagellate symbiosis. <i>Cellular Microbiology</i> , 2006, 8, 1985-1993.	2.1	194
3	Are we missing half of the viruses in the ocean?. <i>ISME Journal</i> , 2013, 7, 672-679.	9.8	164
4	The ModelSEED Biochemistry Database for the integration of metabolic annotations and the reconstruction, comparison and analysis of metabolic models for plants, fungi and microbes. <i>Nucleic Acids Research</i> , 2021, 49, D575-D588.	14.5	119
5	Diel cycling and long-term persistence of viruses in the ocean's euphotic zone. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 11446-11451.	7.1	116
6	Temporal and spatial infection dynamics indicate recognition events in the early hours of a dinoflagellate/coral symbiosis. <i>Marine Biology</i> , 2006, 149, 713-719.	1.5	82
7	Metagenomic characterization of viral communities in corals: mining biological signal from methodological noise. <i>Environmental Microbiology</i> , 2015, 17, 3440-3449.	3.8	75
8	The Characterization of RNA Viruses in Tropical Seawater Using Targeted PCR and Metagenomics. <i>MBio</i> , 2014, 5, e01210-14.	4.1	69
9	The diversity of C-type lectins in the genome of a basal metazoan, <i>Nematostella vectensis</i> . <i>Developmental and Comparative Immunology</i> , 2009, 33, 881-889.	2.3	54
10	Generating viral metagenomes from the coral holobiont. <i>Frontiers in Microbiology</i> , 2014, 5, 206.	3.5	54
11	HoloVir: A Workflow for Investigating the Diversity and Function of Viruses in Invertebrate Holobionts. <i>Frontiers in Microbiology</i> , 2016, 7, 822.	3.5	49
12	The National Microbiome Data Collaborative: enabling microbiome science. <i>Nature Reviews Microbiology</i> , 2020, 18, 313-314.	28.6	42
13	Reef invertebrate viromics: diversity, host specificity and functional capacity. <i>Environmental Microbiology</i> , 2018, 20, 2125-2141.	3.8	41
14	Prevalent and persistent viral infection in cultures of the coral algal endosymbiont <i>Symbiodinium</i> . <i>Coral Reefs</i> , 2017, 36, 773-784.	2.2	36
15	Coral-associated viral communities show high levels of diversity and host auxiliary functions. <i>PeerJ</i> , 2017, 5, e4054.	2.0	34
16	Microbiome Metadata Standards: Report of the National Microbiome Data Collaborative's Workshop and Follow-On Activities. <i>MSystems</i> , 2021, 6, .	3.8	28
17	Abundance and morphology of virus-like particles associated with the coral <i>Acropora hyacinthus</i> differ between healthy and white syndrome-infected states. <i>Marine Ecology - Progress Series</i> , 2014, 510, 39-43.	1.9	26
18	iMicrobe: Tools and data-driven discovery platform for the microbiome sciences. <i>GigaScience</i> , 2019, 8, .	6.4	24

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19	Immunocytochemical evidence that symbiotic algae secrete potential recognition signal molecules in hospite. <i>Marine Biology</i> , 2010, 157, 1105-1111.	1.5	23
20	Implication of the host TGF β 2 pathway in the onset of symbiosis between larvae of the coral <i>Fungia scutaria</i> and the dinoflagellate <i>Symbiodinium</i> sp. (clade C1f). <i>Coral Reefs</i> , 2017, 36, 1263-1268.	2.2	19
21	Planet Microbe: a platform for marine microbiology to discover and analyze interconnected α -omics and environmental data. <i>Nucleic Acids Research</i> , 2021, 49, D792-D802.	14.5	14
22	CRISPR-Cas Defense System and Potential Prophages in Cyanobacteria Associated with the Coral Black Band Disease. <i>Frontiers in Microbiology</i> , 2016, 7, 2077.	3.5	13
23	A Shifting Tide: Recommendations for Incorporating Science Communication into Graduate Training. <i>Limnology and Oceanography Bulletin</i> , 2016, 25, 109-116.	0.4	13
24	Thermal stress modifies the marine sponge virome. <i>Environmental Microbiology Reports</i> , 2019, 11, 690-698.	2.4	13
25	Novel T4 bacteriophages associated with black band disease in corals. <i>Environmental Microbiology</i> , 2019, 21, 1969-1979.	3.8	13
26	iVirus 2.0: Cyberinfrastructure-supported tools and data to power DNA virus ecology. <i>ISME Communications</i> , 2021, 1, .	4.2	13
27	Translating Science into Stories. <i>Limnology and Oceanography Bulletin</i> , 2015, 24, 73-76.	0.4	6
28	Summer Bridge Program Establishes Nascent Pipeline to Expand and Diversify Hawai'i's Undergraduate Geoscience Enrollment. <i>Oceanography</i> , 2016, 29, .	1.0	5
29	Marine Viruses. , 2013, , 127-144.		4
30	Bioinformatic Teaching Resources " For Educators, by Educators " Using KBase, a Free, User-Friendly, Open Source Platform. <i>Frontiers in Education</i> , 2021, 6, .	2.1	4
31	Ontology-Enriched Specifications Enabling Findable, Accessible, Interoperable, and Reusable Marine Metagenomic Datasets in Cyberinfrastructure Systems. <i>Frontiers in Microbiology</i> , 2021, 12, 765268.	3.5	3
32	Marine Symbioses: Metazoans and Microbes. , 2013, , 116-126.		1
33	The ASLO Storytellers Series Connecting with Our Keiki (Hawaiian for "Children"). <i>Limnology and Oceanography Bulletin</i> , 2017, 26, 92-93.	0.4	0