

Amy Apprill

List of Publications by Year in descending order

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Version: 2024-02-01

65
papers

6,752
citations

147801

31
h-index

106344

65
g-index

71
all docs

71
docs citations

71
times ranked

7677
citing authors

#	ARTICLE	IF	CITATIONS
1	Minor revision to V4 region SSU rRNA 806R gene primer greatly increases detection of SAR11 bacterioplankton. <i>Aquatic Microbial Ecology</i> , 2015, 75, 129-137.	1.8	1,771
2	Improved Bacterial 16S rRNA Gene (V4 and V4-5) and Fungal Internal Transcribed Spacer Marker Gene Primers for Microbial Community Surveys. <i>MSystems</i> , 2016, 1, .	3.8	1,364
3	The Microbiome of the Red Sea Coral <i>Stylophora pistillata</i> Is Dominated by Tissue-Associated Endozoicomonas Bacteria. <i>Applied and Environmental Microbiology</i> , 2013, 79, 4759-4762.	3.1	291
4	Diversity and function of prevalent symbiotic marine bacteria in the genus <i>Endozoicomonas</i> . <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 8315-8324.	3.6	277
5	Host-specificity among abundant and rare taxa in the sponge microbiome. <i>ISME Journal</i> , 2014, 8, 1198-1209.	9.8	261
6	Differential specificity between closely related corals and abundant <i>Endozoicomonas</i> endosymbionts across global scales. <i>ISME Journal</i> , 2017, 11, 186-200.	9.8	259
7	<i>Endozoicomonas</i> genomes reveal functional adaptation and plasticity in bacterial strains symbiotically associated with diverse marine hosts. <i>Scientific Reports</i> , 2017, 7, 40579.	3.3	207
8	The onset of microbial associations in the coral <i>Pocillopora meandrina</i> . <i>ISME Journal</i> , 2009, 3, 685-699.	9.8	142
9	Marine Animal Microbiomes: Toward Understanding Host-Microbiome Interactions in a Changing Ocean. <i>Frontiers in Marine Science</i> , 2017, 4, .	2.5	142
10	Humpback Whale Populations Share a Core Skin Bacterial Community: Towards a Health Index for Marine Mammals?. <i>PLoS ONE</i> , 2014, 9, e90785.	2.5	121
11	Recognizing diversity in coral symbiotic dinoflagellate communities. <i>Molecular Ecology</i> , 2007, 16, 1127-1134.	3.9	109
12	Spectral reflectance of coral. <i>Coral Reefs</i> , 2004, 23, 84-95.	2.2	100
13	Coral microbiome database: Integration of sequences reveals high diversity and relatedness of coral-associated microbes. <i>Environmental Microbiology Reports</i> , 2019, 11, 372-385.	2.4	99
14	Extensive Core Microbiome in Drone-Captured Whale Blow Supports a Framework for Health Monitoring. <i>MSystems</i> , 2017, 2, .	3.8	93
15	Distinguishing between Microbial Habitats Unravels Ecological Complexity in Coral Microbiomes. <i>MSystems</i> , 2016, 1, .	3.8	90
16	Species-specific control of external superoxide levels by the coral holobiont during a natural bleaching event. <i>Nature Communications</i> , 2016, 7, 13801.	12.8	75
17	Efficient light harvesting in deep-water zooxanthellate corals. <i>Marine Ecology - Progress Series</i> , 2012, 455, 65-77.	1.9	72
18	The marine mammal microbiome: current knowledge and future directions. <i>Microbiology Australia</i> , 2015, 36, 8.	0.4	71

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19	The influence of shelf processes in delivering dissolved iron to the HNLC waters of the Drake Passage, Antarctica. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2013, 90, 77-88.	1.4	63
20	Whole-Genome Sequences of Three Symbiotic <i>Endozoicomonas</i> Strains. <i>Genome Announcements</i> , 2014, 2, .	0.8	62
21	Photosynthetic maximum quantum yield increases are an essential component of the Southern Ocean phytoplankton response to iron. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 4775-4780.	7.1	59
22	Specificity of Associations between Bacteria and the Coral <i>Pocillopora meandrina</i> during Early Development. <i>Applied and Environmental Microbiology</i> , 2012, 78, 7467-7475.	3.1	59
23	Major similarities in the bacterial communities associated with lesioned and healthy <i>Scleractinia</i> corals. <i>Environmental Microbiology</i> , 2013, 15, 2063-2072.	3.8	58
24	Humpback whales harbour a combination of specific and variable skin bacteria. <i>Environmental Microbiology Reports</i> , 2011, 3, 223-232.	2.4	54
25	Temporal and Regional Variability in the Skin Microbiome of Humpback Whales along the Western Antarctic Peninsula. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	3.1	48
26	The coral ecosphere: A unique coral reef habitat that fosters coral-microbial interactions. <i>Limnology and Oceanography</i> , 2019, 64, 2373-2388.	3.1	44
27	The Role of Symbioses in the Adaptation and Stress Responses of Marine Organisms. <i>Annual Review of Marine Science</i> , 2020, 12, 291-314.	11.6	44
28	Bio-optical modeling of photosynthetic pigments in corals. <i>Coral Reefs</i> , 2006, 25, 99-109.	2.2	41
29	Response of the microbial community to coral spawning in lagoon and reef flat environments of Hawaii, USA. <i>Aquatic Microbial Ecology</i> , 2011, 62, 251-266.	1.8	40
30	Optimization of DNA extraction for advancing coral microbiota investigations. <i>Microbiome</i> , 2017, 5, 18.	11.1	39
31	Visibly healthy corals exhibit variable pigment concentrations and symbiont phenotypes. <i>Coral Reefs</i> , 2007, 26, 387-397.	2.2	35
32	Variable Species Responses to Experimental Stony Coral Tissue Loss Disease (SCTLD) Exposure. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	35
33	Microbial bioindicators of Stony Coral Tissue Loss Disease identified in corals and overlying waters using a rapid field-based sequencing approach. <i>Environmental Microbiology</i> , 2022, 24, 1166-1182.	3.8	34
34	Dark Production of Extracellular Superoxide by the Coral <i>Porites astreoides</i> and Representative Symbionts. <i>Frontiers in Marine Science</i> , 2016, 3, .	2.5	32
35	Multifaceted impacts of the stony coral <i>Porites astreoides</i> on picoplankton abundance and community composition. <i>Limnology and Oceanography</i> , 2017, 62, 217-234.	3.1	31
36	Microbial signatures of protected and impacted Northern Caribbean reefs: changes from Cuba to the Florida Keys. <i>Environmental Microbiology</i> , 2020, 22, 499-519.	3.8	25

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37	Effects of ultraviolet radiation on <i>Laminaria saccharina</i> in relation to depth and tidal height in the Gulf of Maine. <i>Marine Ecology - Progress Series</i> , 2003, 256, 75-85.	1.9	25
38	Soundscapes influence the settlement of the common Caribbean coral <i>Porites astreoides</i> irrespective of light conditions. <i>Royal Society Open Science</i> , 2018, 5, 181358.	2.4	23
39	Multiscale spatio-temporal patterns of boat noise on U.S. Virgin Island coral reefs. <i>Marine Pollution Bulletin</i> , 2018, 136, 282-290.	5.0	23
40	Incidence of lesions on Fungiidae corals in the eastern Red Sea is related to water temperature and coastal pollution. <i>Marine Environmental Research</i> , 2014, 98, 29-38.	2.5	22
41	Diel, daily, and spatial variation of coral reef seawater microbial communities. <i>PLoS ONE</i> , 2020, 15, e0229442.	2.5	22
42	Marine mammal skin microbiotas are influenced by host phylogeny. <i>Royal Society Open Science</i> , 2020, 7, 192046.	2.4	22
43	Discovery and quantification of anaerobic nitrogen metabolisms among oxygenated tropical Cuban stony corals. <i>ISME Journal</i> , 2021, 15, 1222-1235.	9.8	22
44	Coordinated transformation of the gut microbiome and lipidome of bowhead whales provides novel insights into digestion. <i>ISME Journal</i> , 2020, 14, 688-701.	9.8	18
45	Natural experiments and long-term monitoring are critical to understand and predict marine host-microbe ecology and evolution. <i>PLoS Biology</i> , 2021, 19, e3001322.	5.6	17
46	Experimental transmission of Stony Coral Tissue Loss Disease results in differential microbial responses within coral mucus and tissue. <i>ISME Communications</i> , 2022, 2, .	4.2	16
47	Body size data collected non-invasively from drone images indicate a morphologically distinct Chilean blue whale (<i>Balaenoptera musculus</i>) taxon. <i>Endangered Species Research</i> , 2020, 43, 291-304.	2.4	15
48	Coupled X-ray Fluorescence and X-ray Absorption Spectroscopy for Microscale Imaging and Identification of Sulfur Species within Tissues and Skeletons of Scleractinian Corals. <i>Analytical Chemistry</i> , 2018, 90, 12559-12566.	6.5	14
49	Extracellular Reef Metabolites Across the Protected Jardines de la Reina, Cuba Reef System. <i>Frontiers in Marine Science</i> , 2020, 7, .	2.5	14
50	Skin microbiome of beluga whales: spatial, temporal, and health-related dynamics. <i>Animal Microbiome</i> , 2020, 2, 39.	3.8	14
51	Microbial and nutrient dynamics in mangrove, reef, and seagrass waters over tidal and diurnal time scales. <i>Aquatic Microbial Ecology</i> , 2020, 85, 101-119.	1.8	13
52	Development of a Handheld Submersible Chemiluminescent Sensor: Quantification of Superoxide at Coral Surfaces. <i>Environmental Science & Technology</i> , 2019, 53, 13850-13858.	10.0	12
53	Characterizing the culturable surface microbiomes of diverse marine animals. <i>FEMS Microbiology Ecology</i> , 2021, 97, .	2.7	12
54	Crystallographic and chemical signatures in coral skeletal aragonite. <i>Coral Reefs</i> , 2022, 41, 19-34.	2.2	10

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55	Alphaflexivirus Genomes in Stony Coral Tissue Loss Disease-Affected, Disease-Exposed, and Disease-Unexposed Coral Colonies in the U.S. Virgin Islands. <i>Microbiology Resource Announcements</i> , 2022, 11, e0119921.	0.6	10
56	Phytoplankton distributions in the Shackleton Fracture Zone/Elephant Island region of the Drake Passage in February–March 2004. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2013, 90, 55-67.	1.4	9
57	Microbial Communities of Red Sea Coral Reefs. <i>Coral Reefs of the World</i> , 2019, , 53-68.	0.7	9
58	Small-Scale Variability Dominates Benthic Coverage and Diversity Across the Jardines de La Reina, Cuba Coral Reef System. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	9
59	Impact of prawn farming effluent on coral reef water nutrients and microorganisms. <i>Aquaculture Environment Interactions</i> , 2017, 9, 331-346.	1.8	9
60	Differential Patterns of Microbiota Recovery in Symbiotic and Aposymbiotic Corals following Antibiotic Disturbance. <i>MSystems</i> , 2021, 6, .	3.8	8
61	Variable and spatially explicit response of fish larvae to the playback of local, continuous reef soundscapes. <i>Marine Ecology - Progress Series</i> , 2020, 653, 131-151.	1.9	8
62	Microbial ecology of coral-dominated reefs in the Federated States of Micronesia. <i>Aquatic Microbial Ecology</i> , 2021, 86, 115-136.	1.8	7
63	Genetic differentiation in the mountainous star coral <i>Orbicella faveolata</i> around Cuba. <i>Coral Reefs</i> , 2018, 37, 1217-1227.	2.2	6
64	On-site sequencing speeds up and re-directs field-based microbiology. <i>Environmental Microbiology Reports</i> , 2019, 11, 45-47.	2.4	3
65	Reef Location and Client Diversity Influence the Skin Microbiome of the Caribbean Cleaner Goby <i>Elacatinus evelynae</i> . <i>Microbial Ecology</i> , 2023, 85, 372-382.	2.8	2