

# Alyson E Santoro

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8379860/publications.pdf>

Version: 2024-02-01

65  
papers

6,695  
citations

117625

34  
h-index

128289

60  
g-index

78  
all docs

78  
docs citations

78  
times ranked

6547  
citing authors

#	ARTICLE	IF	CITATIONS
1	Microbial metabolites in the marine carbon cycle. <i>Nature Microbiology</i> , 2022, 7, 508-523.	13.3	71
2	Complete Genome Sequences of Two Phylogenetically Distinct <i>Nitrospina</i> Strains Isolated from the Atlantic and Pacific Oceans. <i>Microbiology Resource Announcements</i> , 2022, 11, e0010022.	0.6	2
3	Exaggerated trans-membrane charge of ammonium transporters in nutrient-poor marine environments. <i>Open Biology</i> , 2022, 12, .	3.6	1
4	Metabolic versatility of the nitrite-oxidizing bacterium <i>Nitrospira marina</i> and its proteomic response to oxygen-limited conditions. <i>ISME Journal</i> , 2021, 15, 1025-1039.	9.8	62
5	Nitrification and Nitrous Oxide Production in the Offshore Waters of the Eastern Tropical South Pacific. <i>Global Biogeochemical Cycles</i> , 2021, 35, e2020GB006716.	4.9	25
6	Nitrification and nitrous oxide dynamics in the Southern California Bight. <i>Limnology and Oceanography</i> , 2021, 66, 1099-1112.	3.1	13
7	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
8	Unexpected mitochondrial genome diversity revealed by targeted single-cell genomics of heterotrophic flagellated protists. <i>Nature Microbiology</i> , 2020, 5, 154-165.	13.3	44
9	Single-Cell Transcriptomics of <i>Abedinium</i> Reveals a New Early-Branching Dinoflagellate Lineage. <i>Genome Biology and Evolution</i> , 2020, 12, 2417-2428.	2.5	11
10	The Fire and Tree Mortality Database, for empirical modeling of individual tree mortality after fire. <i>Scientific Data</i> , 2020, 7, 194.	5.3	13
11	Microbial communities can predict the ecological condition of headwater streams. <i>PLoS ONE</i> , 2020, 15, e0236932.	2.5	7
12	Abundant nitrite-oxidizing metalloenzymes in the mesopelagic zone of the tropical Pacific Ocean. <i>Nature Geoscience</i> , 2020, 13, 355-362.	12.9	41
13	Diversity, ecology and evolution of Archaea. <i>Nature Microbiology</i> , 2020, 5, 887-900.	13.3	262
14	Global reconstruction reduces the uncertainty of oceanic nitrous oxide emissions and reveals a vigorous seasonal cycle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 11954-11960.	7.1	56
15	Heterotrophic Thaumarchaea with Small Genomes Are Widespread in the Dark Ocean. <i>MSystems</i> , 2020, 5, .	3.8	50
16	Controlled sampling of ribosomally active protistan diversity in sediment-surface layers identifies putative players in the marine carbon sink. <i>ISME Journal</i> , 2020, 14, 984-998.	9.8	19
17	Headwater Stream Microbial Diversity and Function across Agricultural and Urban Land Use Gradients. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	3.1	12
18	Microbial communities can predict the ecological condition of headwater streams. , 2020, 15, e0236932.		0

#	ARTICLE	IF	CITATIONS
19	Microbial communities can predict the ecological condition of headwater streams. , 2020, 15, e0236932.		0
20	Microbial communities can predict the ecological condition of headwater streams. , 2020, 15, e0236932.		0
21	Microbial communities can predict the ecological condition of headwater streams. , 2020, 15, e0236932.		0
22	Microbial communities can predict the ecological condition of headwater streams. , 2020, 15, e0236932.		0
23	Microbial communities can predict the ecological condition of headwater streams. , 2020, 15, e0236932.		0
24	Phylogeny, Evidence for a Cryptic Plastid, and Distribution of <i>Chytriodinium</i> Parasites (Dinophyceae) Infecting Copepods. Journal of Eukaryotic Microbiology, 2019, 66, 574-581.	1.7	2
25	A Revised Taxonomy of Diplonemids Including the Eupelagonemidae n. fam. and a Type Species, <i>Eupelagonema oceanica</i> n. gen. & sp.. Journal of Eukaryotic Microbiology, 2019, 66, 519-524.	1.7	17
26	Targeted metagenomic recovery of four divergent viruses reveals shared and distinctive characteristics of giant viruses of marine eukaryotes. Philosophical Transactions of the Royal Society B: Biological Sciences, 2019, 374, 20190086.	4.0	22
27	Contributions of single-cell genomics to our understanding of planktonic marine archaea. Philosophical Transactions of the Royal Society B: Biological Sciences, 2019, 374, 20190096.	4.0	9
28	A distinct lineage of giant viruses brings a rhodopsin photosystem to unicellular marine predators. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 20574-20583.	7.1	120
29	Observations of Variable Ammonia Oxidation and Nitrous Oxide Flux in a Eutrophic Estuary. Estuaries and Coasts, 2019, 42, 33-44.	2.2	19
30	Planktonic Marine Archaea. Annual Review of Marine Science, 2019, 11, 131-158.	11.6	129
31	Crystal ball: the microbial map of the ocean. Environmental Microbiology Reports, 2019, 11, 35-37.	2.4	9
32	Patterns of thaumarchaeal gene expression in culture and diverse marine environments. Environmental Microbiology, 2018, 20, 2112-2124.	3.8	92
33	Single cell genomics of uncultured marine alveolates shows paraphyly of basal dinoflagellates. ISME Journal, 2018, 12, 304-308.	9.8	40
34	Identifying protist consumers of photosynthetic picoeukaryotes in the surface ocean using stable isotope probing. Environmental Microbiology, 2018, 20, 815-827.	3.8	51
35	An intercomparison of oceanic methane and nitrous oxide measurements. Biogeosciences, 2018, 15, 5891-5907.	3.3	42
36	Thaumarchaeal ecotype distributions across the equatorial Pacific Ocean and their potential roles in nitrification and sinking flux attenuation. Limnology and Oceanography, 2017, 62, 1984-2003.	3.1	83

#	ARTICLE	IF	CITATIONS
37	Host-derived viral transporter protein for nitrogen uptake in infected marine phytoplankton. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E7489-E7498.	7.1	74
38	Multifaceted impacts of the stony coral <i>Porites astreoides</i> on picoplankton abundance and community composition. Limnology and Oceanography, 2017, 62, 217-234.	3.1	31
39	Environmental controls on estuarine nitrifying communities along a salinity gradient. Aquatic Microbial Ecology, 2017, 80, 167-180.	1.8	8
40	Influence of ammonia oxidation rate on thaumarchaeal lipid composition and the TEX <sub>86</sub> temperature proxy. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 7762-7767.	7.1	121
41	Morphological Identification and Single-Cell Genomics of Marine Diplonemids. Current Biology, 2016, 26, 3053-3059.	3.9	83
42	Distinguishing between Microbial Habitats Unravels Ecological Complexity in Coral Microbiomes. MSystems, 2016, 1, .	3.8	90
43	The do-it-all nitrifier. Science, 2016, 351, 342-343.	12.6	45
44	Diverse, uncultivated bacteria and archaea underlying the cycling of dissolved protein in the ocean. ISME Journal, 2016, 10, 2158-2173.	9.8	177
45	Cellular maintenance processes that potentially underpin the survival of seafloor fungi over geological timescales. Estuarine, Coastal and Shelf Science, 2015, 164, A1-A9.	2.1	17
46	Nitrogen cycling in the secondary nitrite maximum of the eastern tropical North Pacific off Costa Rica. Global Biogeochemical Cycles, 2015, 29, 2061-2081.	4.9	77
47	Genomic and proteomic characterization of <i>Candidatus Nitrosopelagicus brevis</i> : An ammonia-oxidizing archaeon from the open ocean. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 1173-1178.	7.1	278
48	Microbial community composition and nitrogen availability influence DOC remineralization in the South Pacific Gyre. Marine Chemistry, 2015, 177, 325-334.	2.3	50
49	Ecophysiology of uncultivated marine euryarchaea is linked to particulate organic matter. ISME Journal, 2015, 9, 1747-1763.	9.8	94
50	Measurements of nitrite production in and around the primary nitrite maximum in the central California Current. Biogeosciences, 2013, 10, 7395-7410.	3.3	87
51	Oxygen isotopic composition of nitrate and nitrite produced by nitrifying cocultures and natural marine assemblages. Limnology and Oceanography, 2012, 57, 1361-1375.	3.1	116
52	Coupled physical, chemical, and microbiological measurements suggest a connection between internal waves and surf zone water quality in the Southern California Bight. Continental Shelf Research, 2012, 34, 64-78.	1.8	22
53	Isotopic Signature of N <sub>2</sub> O Produced by Marine Ammonia-Oxidizing Archaea. Science, 2011, 333, 1282-1285.	12.6	369
54	Enrichment and characterization of ammonia-oxidizing archaea from the open ocean: phylogeny, physiology and stable isotope fractionation. ISME Journal, 2011, 5, 1796-1808.	9.8	167

#	ARTICLE	IF	CITATIONS
55	Assessment of Nitrogen and Oxygen Isotopic Fractionation During Nitrification and Its Expression in the Marine Environment. <i>Methods in Enzymology</i> , 2011, 486, 253-280.	1.0	31
56	å'æ°-æ·jæ°ç•ÆéÇå,,å¾¼®ç”Ÿç%©ä½œç””ä,çš,,Nå¾¼çŽ. <i>Hydrogeology Journal</i> , 2010, 18, 187-202.	2.1	116
57	Activity, abundance and diversity of nitrifying archaea and bacteria in the central California Current. <i>Environmental Microbiology</i> , 2010, 12, 1989-2006.	3.8	364
58	Flow effects on benthic grazing on phytoplankton by a Caribbean reef. <i>Limnology and Oceanography</i> , 2010, 55, 1881-1892.	3.1	31
59	Contrasting spring and summer phytoplankton dynamics in the nearshore Southern California Bight. <i>Limnology and Oceanography</i> , 2010, 55, 264-278.	3.1	11
60	Shifts in the relative abundance of ammonia-oxidizing bacteria and archaea across physicochemical gradients in a subterranean estuary. <i>Environmental Microbiology</i> , 2008, 10, 1068-1079.	3.8	333
61	Beach Sands along the California Coast Are Diffuse Sources of Fecal Bacteria to Coastal Waters. <i>Environmental Science &amp; Technology</i> , 2007, 41, 4515-4521.	10.0	175
62	Frequent occurrence of the human-specific <i>Bacteroides</i> fecal marker at an open coast marine beach: relationship to waves, tides and traditional indicators. <i>Environmental Microbiology</i> , 2007, 9, 2038-2049.	3.8	49
63	Denitrifier Community Composition along a Nitrate and Salinity Gradient in a Coastal Aquifer. <i>Applied and Environmental Microbiology</i> , 2006, 72, 2102-2109.	3.1	170
64	Ubiquity and diversity of ammonia-oxidizing archaea in water columns and sediments of the ocean. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 14683-14688.	7.1	2,072
65	Interactions between fire and bark beetles in an old growth pine forest. <i>Forest Ecology and Management</i> , 2001, 144, 245-254.	3.2	74