

# Shady A Amin

## List of Publications by Year in descending order

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39  
papers

5,000  
citations

257450

24  
h-index

315739

38  
g-index

42  
all docs

42  
docs citations

42  
times ranked

4830  
citing authors

#	ARTICLE	IF	CITATIONS
1	In vitro Î±-glucosidase inhibitory activity of Tamarix nilotica shoot extracts and fractions. PLoS ONE, 2022, 17, e0264969.	2.5	6
2	Microbial metabolites in the marine carbon cycle. Nature Microbiology, 2022, 7, 508-523.	13.3	71
3	The Diatom Microbiome: New Perspectives for Diatom-Bacteria Symbioses. , 2022, , 679-712.		4
4	Metaproteomics reveals the molecular mechanism underlying bloom maintenance of a marine dinoflagellate under low ambient CO <sub>2</sub> and inorganic nutrients. Science of the Total Environment, 2021, 768, 144515.	8.0	10
5	Tight Adherence (Tad) Pilus Genes Indicate Putative Niche Differentiation in Phytoplankton Bloom Associated Rhodobacterales. Frontiers in Microbiology, 2021, 12, 718297.	3.5	16
6	Microbial Contamination Survey of Environmental Fresh and Saltwater Resources of Upolu Island, Samoa. Environments - MDPI, 2021, 8, 112.	3.3	5
7	A metabolomics approach to evaluate the effect of lyophilization versus oven drying on the chemical composition of plant extracts. Scientific Reports, 2021, 11, 22679.	3.3	10
8	A quick method for obtaining high-quality DNA barcodes without DNA extraction in microalgae. Journal of Applied Phycology, 2020, 32, 1165-1175.	2.8	5
9	Diatom modulation of select bacteria through use of two unique secondary metabolites. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 27445-27455.	7.1	118
10	Quorum sensing regulates "swim" and "stick"™ lifestyle in the phycosphere. Environmental Microbiology, 2020, 22, 4761-4778.	3.8	43
11	MH-ICP-MS Analysis of the Freshwater and Saltwater Environmental Resources of Upolu Island, Samoa. Molecules, 2020, 25, 4871.	3.8	7
12	Alternative strategies of nutrient acquisition and energy conservation map to the biogeography of marine ammonia-oxidizing archaea. ISME Journal, 2020, 14, 2595-2609.	9.8	62
13	Isolation of biologically active compounds from mangrove sediments. Analytical and Bioanalytical Chemistry, 2019, 411, 6521-6529.	3.7	3
14	Stress response of a marine ammonia-oxidizing archaeon informs physiological status of environmental populations. ISME Journal, 2018, 12, 508-519.	9.8	82
15	Ethanol/water extracts from halophyte species <i>Arthrocnemum macrostachyum</i> and <i>Tetraena qatariensis</i> . Cogent Chemistry, 2018, 4, 1536311.	2.5	12
16	Coral metabolite gradients affect microbial community structures and act as a disease cue. Communications Biology, 2018, 1, 184.	4.4	39
17	Bacterial Communities of Diatoms Display Strong Conservation Across Strains and Time. Frontiers in Microbiology, 2018, 9, 659.	3.5	116
18	Accumulation of NO <sub>2</sub> -cobalamin in nutrient-stressed ammonia-oxidizing archaea and in the oxygen deficient zone of the eastern tropical North Pacific. Environmental Microbiology Reports, 2018, 10, 453-457.	2.4	13

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19	Zooming in on the phycosphere: the ecological interface for phytoplankton–bacteria relationships. <i>Nature Microbiology</i> , 2017, 2, 17065.	13.3	727
20	Recognition cascade and metabolite transfer in a marine bacteria–phytoplankton model system. <i>Environmental Microbiology</i> , 2017, 19, 3500-3513.	3.8	111
21	Ubiquitous marine bacterium inhibits diatom cell division. <i>ISME Journal</i> , 2017, 11, 31-42.	9.8	98
22	<i>Nitrosopumilus maritimus</i> gen. nov., sp. nov., <i>Nitrosopumilus cobalaminigenes</i> sp. nov., <i>Nitrosopumilus oxycliniae</i> sp. nov., and <i>Nitrosopumilus ureiphilus</i> sp. nov., four marine ammonia-oxidizing archaea of the phylum Thaumarchaeota. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017, 67, 5067-5079.	1.7	159
23	Interaction and signalling between a cosmopolitan phytoplankton and associated bacteria. <i>Nature</i> , 2015, 522, 98-101.	27.8	875
24	Cryptic carbon and sulfur cycling between surface ocean plankton. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 453-457.	7.1	348
25	Marine ammonia-oxidizing archaeal isolates display obligate mixotrophy and wide ecotypic variation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 12504-12509.	7.1	323
26	Assessment of the potential for copper limitation of ammonia oxidation by Archaea in a dynamic estuary. <i>Marine Chemistry</i> , 2014, 162, 37-49.	2.3	37
27	Detection of photoactive siderophore biosynthetic genes in the marine environment. <i>BioMetals</i> , 2013, 26, 507-516.	4.1	17
28	Borate as a Synergistic Anion for <i>Marinobacter algicola</i> Ferric Binding Protein, FbpA: A Role for Boron in Iron Transport in Marine Life. <i>Journal of the American Chemical Society</i> , 2013, 135, 14504-14507.	13.7	10
29	Regulation of iron transport related genes by boron in the marine bacterium <i>Marinobacter algicola</i> DG893. <i>Metallomics</i> , 2013, 5, 1025.	2.4	6
30	Copper requirements of the ammonia-oxidizing archaeon <i>Nitrosopumilus maritimus</i> SCM1 and implications for nitrification in the marine environment. <i>Limnology and Oceanography</i> , 2013, 58, 2037-2045.	3.1	69
31	Interactions between Diatoms and Bacteria. <i>Microbiology and Molecular Biology Reviews</i> , 2012, 76, 667-684.	6.6	817
32	Iron transport in the genus <i>Marinobacter</i> . <i>BioMetals</i> , 2012, 25, 135-147.	4.1	32
33	Siderophore-mediated iron uptake in two clades of <i>Marinobacter</i> spp. associated with phytoplankton: the role of light. <i>BioMetals</i> , 2012, 25, 181-192.	4.1	27
34	Photolysis of iron–siderophore chelates promotes bacterial–algal mutualism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 17071-17076.	7.1	446
35	Boron and Marine Life: A New Look at an Enigmatic Bioelement. <i>Marine Biotechnology</i> , 2009, 11, 431-440.	2.4	48
36	Ferric Stability Constants of Representative Marine Siderophores: Marinobactins, Aquachelins, and Petrobactin. <i>Inorganic Chemistry</i> , 2009, 48, 11466-11473.	4.0	38

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37	Vibrio ferrin, an Unusual Marine Siderophore: Iron Binding, Photochemistry, and Biological Implications. <i>Inorganic Chemistry</i> , 2009, 48, 11451-11458.	4.0	77
38	Boron Binding by a Siderophore Isolated from Marine Bacteria Associated with the Toxic Dinoflagellate <i>Gymnodinium catenatum</i> . <i>Journal of the American Chemical Society</i> , 2007, 129, 478-479.	13.7	70
39	Borate Binding to Siderophores: Structure and Stability. <i>Journal of the American Chemical Society</i> , 2007, 129, 12263-12271.	13.7	39