

# Russell T Hill

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7100524/publications.pdf>

Version: 2024-02-01

112  
papers

7,170  
citations

41344

49  
h-index

60623

81  
g-index

177  
all docs

177  
docs citations

177  
times ranked

6716  
citing authors

#	ARTICLE	IF	CITATIONS
1	Microalgal and bacterial auxin biosynthesis: implications for algal biotechnology. <i>Current Opinion in Biotechnology</i> , 2022, 73, 300-307.	6.6	25
2	Characteristic Microbiomes Correlate with Polyphosphate Accumulation of Marine Sponges in South China Sea Areas. <i>Microorganisms</i> , 2020, 8, 63.	3.6	7
3	Multiple Megaplastids Confer Extremely High Levels of Metal Tolerance in <i>Alteromonas</i> Strains. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	3.1	11
4	Microbially mediated nutrient cycles in marine sponges. <i>FEMS Microbiology Ecology</i> , 2019, 95, .	2.7	47
5	Draft Genome Sequences of Three Sponge-Associated Actinomycetes Exhibiting Antimycobacterial Activity. <i>Microbiology Resource Announcements</i> , 2019, 8, .	0.6	0
6	A microbial factory for defensive kahalalides in a tripartite marine symbiosis. <i>Science</i> , 2019, 364, .	12.6	74
7	Bioremediation through microbes: systems biology and metabolic engineering approach. <i>Critical Reviews in Biotechnology</i> , 2019, 39, 79-98.	9.0	206
8	Draft Genome Sequences of <i>Cloacibacterium normanense</i> IMET F, a Microalgal Growth-Promoting Bacterium, and <i>Aeromonas jandaei</i> IMET J, a Microalgal Growth-Inhibiting Bacterium. <i>Genome Announcements</i> , 2018, 6, .	0.8	6
9	Study of the removal of a pesticides mixture by a <i>Streptomyces</i> strain and their effect on the cytotoxicity of treated systems. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 6836-6843.	6.7	13
10	The sponge microbiome project. <i>GigaScience</i> , 2017, 6, 1-7.	6.4	193
11	Isolation and Selection of Microalgal Strains from Natural Water Sources in Viet Nam with Potential for Edible Oil Production. <i>Marine Drugs</i> , 2017, 15, 194.	4.6	26
12	Sponge symbioses between <i>Xestospongia deweerdtiae</i> and <i>Plakortis</i> spp. are not motivated by shared chemical defense against predators. <i>PLoS ONE</i> , 2017, 12, e0174816.	2.5	8
13	Effects of bacterial communities on biofuel-producing microalgae: stimulation, inhibition and harvesting. <i>Critical Reviews in Biotechnology</i> , 2016, 36, 341-352.	9.0	90
14	Sponge epizooism in the Caribbean and the discovery of new <i>Plakortis</i> and <i>Haliclona</i> species, and polymorphism of <i>Xestospongia deweerdtiae</i> (Porifera). <i>Zootaxa</i> , 2016, 4178, 209-233.	0.5	11
15	Impact of high pCO <sub>2</sub> and warmer temperatures on the process of silica biomineralization in the sponge <i>Mycale grandis</i> . <i>ICES Journal of Marine Science</i> , 2016, 73, 704-714.	2.5	22
16	Phosphorus sequestration in the form of polyphosphate by microbial symbionts in marine sponges. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 4381-4386.	7.1	127
17	Draft Genome Sequence of <i>Rhodobacteraceae</i> Strain PD-2, an Algicidal Bacterium with a Quorum-Sensing System, Isolated from the Marine Microalga <i>Prorocentrum donghaiense</i> . <i>Genome Announcements</i> , 2015, 3, .	0.8	11
18	A solo luxI-type gene directs acylhomoserine lactone synthesis and contributes to motility control in the marine sponge symbiont <i>Ruegeria</i> sp. KLH11. <i>Microbiology (United Kingdom)</i> , 2015, 161, 50-56.	1.8	21

#	ARTICLE	IF	CITATIONS
19	Bacterial Communities in Malagasy Soils with Differing Levels of Disturbance Affecting Botanical Diversity. PLoS ONE, 2014, 9, e85097.	2.5	11
20	Microbes from Marine Sponges: A Treasure Trove of Biodiversity for Natural Products Discovery. , 2014, , 177-190.		54
21	New epizootic symbioses between sponges of the genera Plakortis and Xestospongia in cryptic habitats of the Caribbean. Marine Biology, 2014, 161, 2803-2818.	1.5	12
22	Temporal changes in the diazotrophic bacterial communities associated with Caribbean sponges Ircinia strobilina and Mycale laxissima. Frontiers in Microbiology, 2014, 5, 561.	3.5	20
23	Acyl-Homoserine Lactone Quorum Sensing in the Roseobacter Clade. International Journal of Molecular Sciences, 2014, 15, 654-669.	4.1	50
24	Nannochloropsis Genomes Reveal Evolution of Microalgal Oleaginous Traits. PLoS Genetics, 2014, 10, e1004094.	3.5	217
25	Draft Genome Sequence of Hawaiian Sea Slug Symbiont <i>Vibrio</i> sp. Strain ER1A. Genome Announcements, 2014, 2, .	0.8	0
26	Draft Genome Sequence of the Alga-Aggregating Bacterium Bacillus sp. Strain RP1137. Genome Announcements, 2014, 2, .	0.8	0
27	Symbiotic archaea in marine sponges show stability and host specificity in community structure and ammonia oxidation functionality. FEMS Microbiology Ecology, 2014, 90, 699-707.	2.7	34
28	Bacterial diversity associated with the tunic of the model chordate <i>Ciona intestinalis</i> . ISME Journal, 2014, 8, 309-320.	9.8	48
29	Permianibacter aggregans gen. nov., sp. nov., a bacterium of the family Pseudomonadaceae capable of aggregating potential biofuel-producing microalgae. International Journal of Systematic and Evolutionary Microbiology, 2014, 64, 3503-3507.	1.7	11
30	Mechanism of Algal Aggregation by Bacillus sp. Strain RP1137. Applied and Environmental Microbiology, 2014, 80, 4042-4050.	3.1	54
31	An analysis of the sponge Acanthostrongylophora igens' microbiome yields an actinomycete that produces the natural product manzamine A. Frontiers in Marine Science, 2014, 1, .	2.5	47
32	Merging Metabolism and Power: Development of a Novel Photobioelectric Device Driven by Photosynthesis and Respiration. PLoS ONE, 2014, 9, e86518.	2.5	5
33	Integration of Culture-Based and Molecular Analysis of a Complex Sponge-Associated Bacterial Community. PLoS ONE, 2014, 9, e90517.	2.5	66
34	Kocurin, the True Structure of PM181104, an Anti-Methicillin-Resistant Staphylococcus aureus (MRSA) Thiazolyl Peptide from the Marine-Derived Bacterium Kocuria palustris. Marine Drugs, 2013, 11, 387-398.	4.6	69
35	Characterization of the Bacterial Community of the Chemically Defended Hawaiian Sacoglossan Elysia rufescens. Applied and Environmental Microbiology, 2013, 79, 7073-7081.	3.1	37
36	Biodiversity of Actinomycetes Associated with Caribbean Sponges and Their Potential for Natural Product Discovery. Marine Biotechnology, 2013, 15, 413-424.	2.4	38

#	ARTICLE	IF	CITATIONS
37	Imperialibacter roseus gen. nov., sp. nov., a novel bacterium of the family Flammeovirgaceae isolated from Permian groundwater. International Journal of Systematic and Evolutionary Microbiology, 2013, 63, 4136-4140.	1.7	14
38	Rapid Aggregation of Biofuel-Producing Algae by the Bacterium Bacillus sp. Strain RP1137. Applied and Environmental Microbiology, 2013, 79, 6093-6101.	3.1	72
39	Sponge-Derived Kocuria and Micrococcus spp. as Sources of the New Thiazolyl Peptide Antibiotic Kocurin. Marine Drugs, 2013, 11, 1071-1086.	4.6	100
40	The CckA-ChpT-CtrA Phosphorelay System Is Regulated by Quorum Sensing and Controls Flagellar Motility in the Marine Sponge Symbiont Ruegeria sp. KLH11. PLoS ONE, 2013, 8, e66346.	2.5	33
41	Novel Bacterial Isolate from Permian Groundwater, Capable of Aggregating Potential Biofuel-Producing Microalga Nannochloropsis oceanica IMET1. Applied and Environmental Microbiology, 2012, 78, 1445-1453.	3.1	86
42	Diversity of Bacterial Communities Associated with the Indian Ocean Sponge Tsitsikamma favus That Contains the Bioactive Pyrroloiminoquinones, Tsitsikammamine A and B. Marine Biotechnology, 2012, 14, 681-691.	2.4	18
43	A complex <sc>LuxR&#x201c;LuxI</sc> type quorum sensing network in a roseobacterial marine sponge symbiont activates flagellar motility and inhibits biofilm formation. Molecular Microbiology, 2012, 86, 500-500.	2.5	0
44	A complex LuxR&#x201c;LuxI type quorum sensing network in a roseobacterial marine sponge symbiont activates flagellar motility and inhibits biofilm formation. Molecular Microbiology, 2012, 85, 916-933.	2.5	75
45	Sponge-Associated Bacteria Are Strictly Maintained in Two Closely Related but Geographically Distant Sponge Hosts. Applied and Environmental Microbiology, 2011, 77, 7207-7216.	3.1	107
46	Examination of Marine-Based Cultivation of Three Demosponges for Acquiring Bioactive Marine Natural Products. Marine Drugs, 2011, 9, 2201-2219.	4.6	20
47	Diversity and functional analysis of <i>luxS</i> genes in Vibrios from marine sponges <i>Mycale laxissima</i> and <i>Ircinia strobilina</i>. ISME Journal, 2011, 5, 1505-1516.	9.8	27
48	Marine-Based Cultivation of Diacarnus Sponges and the Bacterial Community Composition of Wild and Maricultured Sponges and Their Larvae. Marine Biotechnology, 2011, 13, 1169-1182.	2.4	28
49	Meeting Report: 1st International Symposium on Sponge Microbiology. Marine Biotechnology, 2011, 13, 1057-1061.	2.4	17
50	Genome Sequence of Ruegeria sp. Strain KLH11, an <i>N</i>-Acylhomoserine Lactone-Producing Bacterium Isolated from the Marine Sponge Mycale laxissima. Journal of Bacteriology, 2011, 193, 5011-5012.	2.2	13
51	Bacterial Community Analyses of Two Red Sea Sponges. Marine Biotechnology, 2010, 12, 350-360.	2.4	47
52	First report of linear megaplasmids in the genus Micrococcus. Plasmid, 2010, 63, 40-45.	1.4	24
53	Novel linear megaplasmid from <i>Brevibacterium</i> sp. isolated from extreme environment. Journal of Basic Microbiology, 2010, 50, 280-284.	3.3	23
54	The expanding role of marine microbes in pharmaceutical development. Current Opinion in Biotechnology, 2010, 21, 780-786.	6.6	117

#	ARTICLE	IF	CITATIONS
55	Pharmaceuticals from marine natural products: surge or ebb?. <i>Current Opinion in Biotechnology</i> , 2010, 21, 777-779.	6.6	50
56	Diversity of aerobic and anaerobic ammonia-oxidizing bacteria in marine sponges. <i>ISME Journal</i> , 2010, 4, 38-48.	9.8	193
57	Chemical warfare in the sea: The search for antibiotics from Red Sea corals and sponges. <i>Pure and Applied Chemistry</i> , 2009, 81, 1113-1121.	1.9	39
58	Comparison of the Bacterial Communities of Wild and Captive Sponge <i>Clathria proliferata</i> from the Chesapeake Bay. <i>Marine Biotechnology</i> , 2009, 11, 758-770.	2.4	32
59	A new antimalarial polyether from a marine <i>Streptomyces</i> sp. H668. <i>Tetrahedron Letters</i> , 2008, 49, 6282-6285.	1.4	23
60	Phylogenetic diversity of bacteria associated with the mucus of Red Sea corals. <i>FEMS Microbiology Ecology</i> , 2008, 64, 187-198.	2.7	53
61	Seawater Mg/Ca controls polymorph mineralogy of microbial CaCO <sub>3</sub> : A potential proxy for calcite to aragonite seas in Precambrian time. <i>Geobiology</i> , 2008, 6, 106-119.	2.4	61
62	Diversity and expression of nitrogen fixation genes in bacterial symbionts of marine sponges. <i>Environmental Microbiology</i> , 2008, 10, 2910-2921.	3.8	151
63	Enrichment, Isolation, and Phylogenetic Identification of Polycyclic Aromatic Hydrocarbon-Degrading Bacteria from Elizabeth River Sediments. <i>Applied and Environmental Microbiology</i> , 2008, 74, 1176-1182.	3.1	117
64	Changes in Bacterial Communities of the Marine Sponge <i>Mycale laxissima</i> on Transfer into Aquaculture. <i>Applied and Environmental Microbiology</i> , 2008, 74, 1209-1222.	3.1	79
65	Monitoring Bacterial Diversity of the Marine Sponge <i>Ircinia strobilina</i> upon Transfer into Aquaculture. <i>Applied and Environmental Microbiology</i> , 2008, 74, 4133-4143.	3.1	82
66	Marine Natural Products. Key Advances to the Practical Application of this Resource in Drug Development. <i>Chimia</i> , 2007, 61, 313.	0.6	16
67	Soaking it up: the complex lives of marine sponges and their microbial associates. <i>ISME Journal</i> , 2007, 1, 187-190.	9.8	86
68	Diversity and quorum-sensing signal production of Proteobacteria associated with marine sponges. <i>Environmental Microbiology</i> , 2007, 10, 070907134207003-???	3.8	97
69	Diversity of culturable bacteria in the mucus of the Red Sea coral <i>Fungia scutaria</i> . <i>FEMS Microbiology Ecology</i> , 2006, 58, 99-108.	2.7	82
70	Characterization of a Culturable Alphaproteobacterial Symbiont Common to Many Marine Sponges and Evidence for Vertical Transmission via Sponge Larvae. <i>Applied and Environmental Microbiology</i> , 2006, 72, 3724-3732.	3.1	197
71	Microbial Diversity Associated with Odor Modification for Production of Fertilizers from Chicken Litter. <i>Applied and Environmental Microbiology</i> , 2006, 72, 4105-4114.	3.1	38
72	Industrial microbiology and biotechnology - 2006 Annual Meeting. <i>IDrugs: the Investigational Drugs Journal</i> , 2006, 9, 690-2.	0.7	0

#	ARTICLE	IF	CITATIONS
73	Novel actinobacteria from marine sponges. <i>Antonie Van Leeuwenhoek</i> , 2005, 87, 29-36.	1.7	146
74	Genomic Analysis of Bacteriophage $\phi$ JL001: Insights into Its Interaction with a Sponge-Associated Alpha-Proteobacterium. <i>Applied and Environmental Microbiology</i> , 2005, 71, 1598-1609.	3.1	54
75	A basidiomycete isolated from the skeleton of <i>Pocillopora damicornis</i> (Scleractinia) selectively stimulates short-term survival of coral skeletogenic cells. <i>Marine Biology</i> , 2004, 144, 583-592.	1.5	47
76	Sediment Microbes of Deep-Sea Bioherms on the Northwest Shelf of Australia. <i>Microbial Ecology</i> , 2003, 46, 55-61.	2.8	16
77	THE MANZAMINE ALKALOIDS. <i>The Alkaloids Chemistry and Biology</i> , 2003, 60, 207-285.	2.0	51
78	Manadomanzamines A and B: A Novel Alkaloid Ring System with Potent Activity against Mycobacteria and HIV-1. <i>Journal of the American Chemical Society</i> , 2003, 125, 13382-13386.	13.7	94
79	The Chloramphenicol-Inducible <i>catB</i> Gene in <i>Agrobacterium tumefaciens</i> Is Regulated by Translation Attenuation. <i>Journal of Bacteriology</i> , 2002, 184, 4296-4300.	2.2	12
80	Entry of <i>Vibrio harveyi</i> and <i>Vibrio fischeri</i> into the viable but nonculturable state. <i>Journal of Applied Microbiology</i> , 2002, 93, 108-116.	3.1	45
81	12,34-Oxamanzamines, novel biocatalytic and natural products from manzamine producing Indo-Pacific sponges. <i>Tetrahedron</i> , 2002, 58, 7397-7402.	1.9	62
82	A spongin-boring $\alpha$ -proteobacterium is the etiological agent of disease in the Great Barrier Reef sponge <i>Rhopaloeides odorabile</i> . <i>Marine Ecology - Progress Series</i> , 2002, 232, 305-309.	1.9	110
83	Phylogenetic Diversity of Bacteria Associated with the Marine Sponge <i>Rhopaloeides odorabile</i> . <i>Applied and Environmental Microbiology</i> , 2001, 67, 434-444.	3.1	322
84	The culturable microbial community of the Great Barrier Reef sponge <i>Rhopaloeides odorabile</i> is dominated by an $\alpha$ -Proteobacterium. <i>Marine Biology</i> , 2001, 138, 843-851.	1.5	247
85	The effects of copper on the microbial community of a coral reef sponge. <i>Environmental Microbiology</i> , 2001, 3, 19-31.	3.8	95
86	Microbial symbionts of the Australian Great Barrier Reef sponge, <i>Candidaspongia flabellata</i> . <i>Hydrobiologia</i> , 2001, 461, 41-47.	2.0	38
87	Detection and Phylogenetic Analysis of Novel Crenarchaeote and Euryarchaeote 16S Ribosomal RNA Gene Sequences from a Great Barrier Reef Sponge. <i>Marine Biotechnology</i> , 2001, 3, 0600-0608.	2.4	73
88	Chromium accumulation by two <i>Streptomyces</i> spp. isolated from riverine sediments. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2001, 26, 210-215.	3.0	57
89	Metamorphosis of broadcast spawning corals in response to bacteria isolated from crustose algae. <i>Marine Ecology - Progress Series</i> , 2001, 223, 121-131.	1.9	213
90	Detection of luciferase gene sequences in nonluminescent bacteria from the Chesapeake Bay. <i>FEMS Microbiology Ecology</i> , 2000, 33, 27-34.	2.7	5

#	ARTICLE	IF	CITATIONS
91	Use of a <i>chiA</i> probe for detection of chitinase genes in bacteria from the Chesapeake Bay1. FEMS Microbiology Ecology, 2000, 34, 63-71.	2.7	56
92	Effect of Bioremediation on the Microbial Community in Oiled Mangrove Sediments. Marine Pollution Bulletin, 2000, 41, 413-419.	5.0	79
93	Interspecific Transfer of Streptomyces Giant Linear Plasmids in Sterile Amended Soil Microcosms. Applied and Environmental Microbiology, 2000, 66, 529-534.	3.1	44
94	Cloning and Sequence Analysis of the Mercury Resistance Operon of Streptomyces sp. Strain CHR28 Reveals a Novel Putative Second Regulatory Gene. Journal of Bacteriology, 2000, 182, 2345-2349.	2.2	30
95	A proposal for the reclassification of <i>Bdellovibrio stolpii</i> and <i>Bdellovibrio starrii</i> into a new genus, <i>Bacteriovorax</i> gen. nov. as <i>Bacteriovorax stolpii</i> comb. nov. and <i>Bacteriovorax starrii</i> comb. nov., respectively.. International Journal of Systematic and Evolutionary Microbiology, 2000, 50, 219-224.	1.7	94
96	Population Dynamics of Chesapeake Bay Virioplankton: Total-Community Analysis by Pulsed-Field Gel Electrophoresis. Applied and Environmental Microbiology, 1999, 65, 231-240.	3.1	181
97	Hybridization Analysis of Chesapeake Bay Virioplankton. Applied and Environmental Microbiology, 1999, 65, 241-250.	3.1	78
98	Mercury-resistant actinomycetes from the Chesapeake Bay. FEMS Microbiology Letters, 1998, 162, 177-184.	1.8	67
99	Preparation of DNA extracted from environmental water samples for PCR amplification. Journal of Microbiological Methods, 1998, 31, 193-199.	1.6	10
100	Screening of heavy metal-tolerant actinomycetes isolated from the Sali River.. Journal of General and Applied Microbiology, 1998, 44, 129-132.	0.7	86
101	Mercury Resistance Is Encoded by Transferable Giant Linear Plasmids in Two Chesapeake Bay <i>Streptomyces</i> Strains. Applied and Environmental Microbiology, 1998, 64, 3383-3388.	3.1	49
102	Dereplication and Profiling of Marine Bacteria by Fatty Acid Analysis of Crude Extracts Using Fourier Transform Mass Spectrometry. , 1998, , 55-59.		1
103	Distribution of <i>Vibrio vulnificus</i> in the Chesapeake Bay. Applied and Environmental Microbiology, 1996, 62, 717-724.	3.1	237
104	Temperature-induced recovery of <i>Vibrio cholerae</i> from the viable but nonculturable state: growth or resuscitation?. Microbiology (United Kingdom), 1995, 141, 377-383.	1.8	114
105	A simple method for the concentration of viruses from natural water samples. Journal of Microbiological Methods, 1995, 22, 57-67.	1.6	32
106	A gene for the enterotoxin zonula occludens toxin is present in <i>Vibrio mimicus</i> and <i>Vibrio cholerae</i> O139. FEMS Microbiology Letters, 1994, 119, 377-380.	1.8	31
107	Sewage contamination in sediments beneath a deep-ocean dump site off New York. Marine Environmental Research, 1994, 38, 43-59.	2.5	52
108	Isolation and Diversity of Actinomycetes in the Chesapeake Bay. Applied and Environmental Microbiology, 1993, 59, 997-1002.	3.1	164

#	ARTICLE	IF	CITATIONS
109	Cloning and Expression of Rhodococcus Genes Encoding Pigment Production in Escherichia coli. Microbiology (United Kingdom), 1989, 135, 1507-1513.	1.8	11
110	Molecular Analysis of a Novel Glutamine Synthetase of the Anaerobe Bacteroides fragilis. Microbiology (United Kingdom), 1989, 135, 3271-3279.	1.8	41
111	Development of pLR591, a Streptomyces-Escherichia coli positive selection shuttle vector. FEMS Microbiology Letters, 1989, 57, 223-226.	1.8	4
112	Purification and characterisation of glutamine synthetase from Nocardia corallina. Antonie Van Leeuwenhoek, 1988, 54, 497-507.	1.7	2