

Russell T Hill

List of Publications by Year in descending order

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112
papers

7,170
citations

41344

49
h-index

60623

81
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177
all docs

177
docs citations

177
times ranked

6716
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	The culturable microbial community of the Great Barrier Reef sponge <i>Rhopaloeides odorabile</i> is dominated by an α -Proteobacterium. <i>Marine Biology</i> , 2001, 138, 843-851.	1.5	247
3	Distribution of <i>Vibrio vulnificus</i> in the Chesapeake Bay. <i>Applied and Environmental Microbiology</i> , 1996, 62, 717-724.	3.1	237
4	Nannochloropsis Genomes Reveal Evolution of Microalgal Oleaginous Traits. <i>PLoS Genetics</i> , 2014, 10, e1004094.	3.5	217
5	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
6	Bioremediation through microbes: systems biology and metabolic engineering approach. <i>Critical Reviews in Biotechnology</i> , 2019, 39, 79-98.	9.0	206
7	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
8	Diversity of aerobic and anaerobic ammonia-oxidizing bacteria in marine sponges. <i>ISME Journal</i> , 2010, 4, 38-48.	9.8	193
9	The sponge microbiome project. <i>GigaScience</i> , 2017, 6, 1-7.	6.4	193
10	Population Dynamics of Chesapeake Bay Virioplankton: Total-Community Analysis by Pulsed-Field Gel Electrophoresis. <i>Applied and Environmental Microbiology</i> , 1999, 65, 231-240.	3.1	181
11	Isolation and Diversity of Actinomycetes in the Chesapeake Bay. <i>Applied and Environmental Microbiology</i> , 1993, 59, 997-1002.	3.1	164
12	Diversity and expression of nitrogen fixation genes in bacterial symbionts of marine sponges. <i>Environmental Microbiology</i> , 2008, 10, 2910-2921.	3.8	151
13	Novel actinobacteria from marine sponges. <i>Antonie Van Leeuwenhoek</i> , 2005, 87, 29-36.	1.7	146
14	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
15	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
16	The expanding role of marine microbes in pharmaceutical development. <i>Current Opinion in Biotechnology</i> , 2010, 21, 780-786.	6.6	117
17	Temperature-induced recovery of <i>Vibrio cholerae</i> from the viable but nonculturable state: growth or resuscitation?. <i>Microbiology (United Kingdom)</i> , 1995, 141, 377-383.	1.8	114
18	A spongin-boring α -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

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19	Sponge-Associated Bacteria Are Strictly Maintained in Two Closely Related but Geographically Distant Sponge Hosts. <i>Applied and Environmental Microbiology</i> , 2011, 77, 7207-7216.	3.1	107
20	Sponge-Derived Kocuria and Micrococcus spp. as Sources of the New Thiazolyl Peptide Antibiotic Kocurin. <i>Marine Drugs</i> , 2013, 11, 1071-1086.	4.6	100
21	Diversity and quorum-sensing signal production of Proteobacteria associated with marine sponges. <i>Environmental Microbiology</i> , 2007, 10, 070907134207003-???.	3.8	97
22	The effects of copper on the microbial community of a coral reef sponge. <i>Environmental Microbiology</i> , 2001, 3, 19-31.	3.8	95
23	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.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2000, 50, 219-224.	1.7	94
24	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
25	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
26	Screening of heavy metal-tolerant actinomycetes isolated from the Sali River.. <i>Journal of General and Applied Microbiology</i> , 1998, 44, 129-132.	0.7	86
27	Soaking it up: the complex lives of marine sponges and their microbial associates. <i>ISME Journal</i> , 2007, 1, 187-190.	9.8	86
28	Novel Bacterial Isolate from Permian Groundwater, Capable of Aggregating Potential Biofuel-Producing Microalga <i>Nannochloropsis oceanica</i> IMET1. <i>Applied and Environmental Microbiology</i> , 2012, 78, 1445-1453.	3.1	86
29	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
30	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
31	Effect of Bioremediation on the Microbial Community in Oiled Mangrove Sediments. <i>Marine Pollution Bulletin</i> , 2000, 41, 413-419.	5.0	79
32	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
33	Hybridization Analysis of Chesapeake Bay Virioplankton. <i>Applied and Environmental Microbiology</i> , 1999, 65, 241-250.	3.1	78
34	A complex LuxR-LuxI type quorum sensing network in a roseobacterial marine sponge symbiont activates flagellar motility and inhibits biofilm formation. <i>Molecular Microbiology</i> , 2012, 85, 916-933.	2.5	75
35	A microbial factory for defensive kahalalides in a tripartite marine symbiosis. <i>Science</i> , 2019, 364, .	12.6	74
36	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

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37	Rapid Aggregation of Biofuel-Producing Algae by the Bacterium <i>Bacillus</i> sp. Strain RP1137. <i>Applied and Environmental Microbiology</i> , 2013, 79, 6093-6101.	3.1	72
38	Kocurin, the True Structure of PM181104, an Anti-Methicillin-Resistant <i>Staphylococcus aureus</i> (MRSA) Thiazolyl Peptide from the Marine-Derived Bacterium <i>Kocuria palustris</i> . <i>Marine Drugs</i> , 2013, 11, 387-398.	4.6	69
39	Mercury-resistant actinomycetes from the Chesapeake Bay. <i>FEMS Microbiology Letters</i> , 1998, 162, 177-184.	1.8	67
40	Integration of Culture-Based and Molecular Analysis of a Complex Sponge-Associated Bacterial Community. <i>PLoS ONE</i> , 2014, 9, e90517.	2.5	66
41	12,34-Oxamanzamines, novel biocatalytic and natural products from manzamine producing Indo-Pacific sponges. <i>Tetrahedron</i> , 2002, 58, 7397-7402.	1.9	62
42	Seawater Mg/Ca controls polymorph mineralogy of microbial CaCO ₃ : A potential proxy for calcite- <i>aragonite</i> seas in Precambrian time. <i>Geobiology</i> , 2008, 6, 106-119.	2.4	61
43	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
44	Use of a <i>chiA</i> probe for detection of chitinase genes in bacteria from the Chesapeake Bay. <i>FEMS Microbiology Ecology</i> , 2000, 34, 63-71.	2.7	56
45	Genomic Analysis of Bacteriophage ϕ JL001: Insights into Its Interaction with a Sponge-Associated Alpha-Proteobacterium. <i>Applied and Environmental Microbiology</i> , 2005, 71, 1598-1609.	3.1	54
46	Microbes from Marine Sponges: A Treasure Trove of Biodiversity for Natural Products Discovery. , 2014, , 177-190.		54
47	Mechanism of Algal Aggregation by <i>Bacillus</i> sp. Strain RP1137. <i>Applied and Environmental Microbiology</i> , 2014, 80, 4042-4050.	3.1	54
48	Phylogenetic diversity of bacteria associated with the mucus of Red Sea corals. <i>FEMS Microbiology Ecology</i> , 2008, 64, 187-198.	2.7	53
49	Sewage contamination in sediments beneath a deep-ocean dump site off New York. <i>Marine Environmental Research</i> , 1994, 38, 43-59.	2.5	52
50	THE MANZAMINE ALKALOIDS. <i>The Alkaloids Chemistry and Biology</i> , 2003, 60, 207-285.	2.0	51
51	Pharmaceuticals from marine natural products: surge or ebb?. <i>Current Opinion in Biotechnology</i> , 2010, 21, 777-779.	6.6	50
52	Acyl-Homoserine Lactone Quorum Sensing in the <i>Roseobacter</i> Clade. <i>International Journal of Molecular Sciences</i> , 2014, 15, 654-669.	4.1	50
53	Mercury Resistance Is Encoded by Transferable Giant Linear Plasmids in Two Chesapeake Bay <i>Streptomyces</i> Strains. <i>Applied and Environmental Microbiology</i> , 1998, 64, 3383-3388.	3.1	49
54	Bacterial diversity associated with the tunic of the model chordate <i>Ciona intestinalis</i> . <i>ISME Journal</i> , 2014, 8, 309-320.	9.8	48

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55	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
56	Bacterial Community Analyses of Two Red Sea Sponges. <i>Marine Biotechnology</i> , 2010, 12, 350-360.	2.4	47
57	An analysis of the sponge <i>Acanthostrongylophora igens</i> ' microbiome yields an actinomycete that produces the natural product manzamine A. <i>Frontiers in Marine Science</i> , 2014, 1, .	2.5	47
58	Microbially mediated nutrient cycles in marine sponges. <i>FEMS Microbiology Ecology</i> , 2019, 95, .	2.7	47
59	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
60	Interspecific Transfer of <i>Streptomyces</i> Giant Linear Plasmids in Sterile Amended Soil Microcosms. <i>Applied and Environmental Microbiology</i> , 2000, 66, 529-534.	3.1	44
61	Molecular Analysis of a Novel Glutamine Synthetase of the Anaerobe <i>Bacteroides fragilis</i> . <i>Microbiology (United Kingdom)</i> , 1989, 135, 3271-3279.	1.8	41
62	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
63	Microbial symbionts of the Australian Great Barrier Reef sponge, <i>Candidaspongia flabellata</i> . <i>Hydrobiologia</i> , 2001, 461, 41-47.	2.0	38
64	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
65	Biodiversity of Actinomycetes Associated with Caribbean Sponges and Their Potential for Natural Product Discovery. <i>Marine Biotechnology</i> , 2013, 15, 413-424.	2.4	38
66	Characterization of the Bacterial Community of the Chemically Defended Hawaiian Sacoglossan <i>Elysia rufescens</i> . <i>Applied and Environmental Microbiology</i> , 2013, 79, 7073-7081.	3.1	37
67	Symbiotic archaea in marine sponges show stability and host specificity in community structure and ammonia oxidation functionality. <i>FEMS Microbiology Ecology</i> , 2014, 90, 699-707.	2.7	34
68	The CckA-ChpT-CtrA Phosphorelay System Is Regulated by Quorum Sensing and Controls Flagellar Motility in the Marine Sponge Symbiont <i>Ruegeria</i> sp. KLH11. <i>PLoS ONE</i> , 2013, 8, e66346.	2.5	33
69	A simple method for the concentration of viruses from natural water samples. <i>Journal of Microbiological Methods</i> , 1995, 22, 57-67.	1.6	32
70	Comparison of the Bacterial Communities of Wild and Captive Sponge <i>Clathria prolifera</i> from the Chesapeake Bay. <i>Marine Biotechnology</i> , 2009, 11, 758-770.	2.4	32
71	A gene for the enterotoxin zonula occludens toxin is present in <i>Vibrio mimicus</i> and <i>Vibrio cholerae</i> O139. <i>FEMS Microbiology Letters</i> , 1994, 119, 377-380.	1.8	31
72	Cloning and Sequence Analysis of the Mercury Resistance Operon of <i>Streptomyces</i> sp. Strain CHR28 Reveals a Novel Putative Second Regulatory Gene. <i>Journal of Bacteriology</i> , 2000, 182, 2345-2349.	2.2	30

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73	Marine-Based Cultivation of Diacarnus Sponges and the Bacterial Community Composition of Wild and Maricultured Sponges and Their Larvae. <i>Marine Biotechnology</i> , 2011, 13, 1169-1182.	2.4	28
74	Diversity and functional analysis of <i>luxS</i> genes in <i>Vibrios</i> from marine sponges <i>Mycale laxissima</i> and <i>Ircinia strobilina</i> . <i>ISME Journal</i> , 2011, 5, 1505-1516.	9.8	27
75	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
76	Microalgal and bacterial auxin biosynthesis: implications for algal biotechnology. <i>Current Opinion in Biotechnology</i> , 2022, 73, 300-307.	6.6	25
77	First report of linear megaplasmids in the genus <i>Micrococcus</i> . <i>Plasmid</i> , 2010, 63, 40-45.	1.4	24
78	A new antimalarial polyether from a marine <i>Streptomyces</i> sp. H668. <i>Tetrahedron Letters</i> , 2008, 49, 6282-6285.	1.4	23
79	Novel linear megaplasmid from <i>Brevibacterium</i> sp. isolated from extreme environment. <i>Journal of Basic Microbiology</i> , 2010, 50, 280-284.	3.3	23
80	Impact of high pCO ₂ 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
81	A solo <i>luxI</i> -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
82	Examination of Marine-Based Cultivation of Three Demosponges for Acquiring Bioactive Marine Natural Products. <i>Marine Drugs</i> , 2011, 9, 2201-2219.	4.6	20
83	Temporal changes in the diazotrophic bacterial communities associated with Caribbean sponges <i>Ircinia strobilina</i> and <i>Mycale laxissima</i> . <i>Frontiers in Microbiology</i> , 2014, 5, 561.	3.5	20
84	Diversity of Bacterial Communities Associated with the Indian Ocean Sponge <i>Tsitsikamma favus</i> That Contains the Bioactive Pyrroloiminoquinones, <i>Tsitsikammamine A</i> and <i>B</i> . <i>Marine Biotechnology</i> , 2012, 14, 681-691.	2.4	18
85	Meeting Report: 1st International Symposium on Sponge Microbiology. <i>Marine Biotechnology</i> , 2011, 13, 1057-1061.	2.4	17
86	Sediment Microbes of Deep-Sea Bioherms on the Northwest Shelf of Australia. <i>Microbial Ecology</i> , 2003, 46, 55-61.	2.8	16
87	Marine Natural Products. Key Advances to the Practical Application of this Resource in Drug Development. <i>Chimia</i> , 2007, 61, 313.	0.6	16
88	<i>Imperialibacter roseus</i> gen. nov., sp. nov., a novel bacterium of the family <i>Flammeovirgaceae</i> isolated from Permian groundwater. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2013, 63, 4136-4140.	1.7	14
89	Genome Sequence of <i>Ruegeria</i> sp. Strain KLH11, an <i>N</i> -Acylhomoserine Lactone-Producing Bacterium Isolated from the Marine Sponge <i>Mycale laxissima</i> . <i>Journal of Bacteriology</i> , 2011, 193, 5011-5012.	2.2	13
90	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

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91	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
92	New epizoic symbioses between sponges of the genera <i>Plakortis</i> and <i>Xestospongia</i> in cryptic habitats of the Caribbean. <i>Marine Biology</i> , 2014, 161, 2803-2818.	1.5	12
93	Cloning and Expression of <i>Rhodococcus</i> Genes Encoding Pigment Production in <i>Escherichia coli</i> . <i>Microbiology (United Kingdom)</i> , 1989, 135, 1507-1513.	1.8	11
94	Bacterial Communities in Malagasy Soils with Differing Levels of Disturbance Affecting Botanical Diversity. <i>PLoS ONE</i> , 2014, 9, e85097.	2.5	11
95	<i>Permianibacter aggregans</i> gen. nov., sp. nov., a bacterium of the family <i>Pseudomonadaceae</i> capable of aggregating potential biofuel-producing microalgae. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2014, 64, 3503-3507.	1.7	11
96	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
97	Sponge epizoism 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
98	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
99	Preparation of DNA extracted from environmental water samples for PCR amplification. <i>Journal of Microbiological Methods</i> , 1998, 31, 193-199.	1.6	10
100	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
101	Characteristic Microbiomes Correlate with Polyphosphate Accumulation of Marine Sponges in South China Sea Areas. <i>Microorganisms</i> , 2020, 8, 63.	3.6	7
102	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
103	Detection of luciferase gene sequences in nonluminescent bacteria from the Chesapeake Bay. <i>FEMS Microbiology Ecology</i> , 2000, 33, 27-34.	2.7	5
104	Merging Metabolism and Power: Development of a Novel Photobioelectric Device Driven by Photosynthesis and Respiration. <i>PLoS ONE</i> , 2014, 9, e86518.	2.5	5
105	Development of pLR591, a <i>Streptomyces</i> - <i>Escherichia coli</i> positive selection shuttle vector. <i>FEMS Microbiology Letters</i> , 1989, 57, 223-226.	1.8	4
106	Purification and characterisation of glutamine synthetase from <i>Nocardia corallina</i> . <i>Antonie Van Leeuwenhoek</i> , 1988, 54, 497-507.	1.7	2
107	Dereplication and Profiling of Marine Bacteria by Fatty Acid Analysis of Crude Extracts Using Fourier Transform Mass Spectrometry. , 1998, , 55-59.		1
108	A complex <i>LuxR</i> / <i>LuxI</i> type quorum sensing network in a roseobacterial marine sponge symbiont activates flagellar motility and inhibits biofilm formation. <i>Molecular Microbiology</i> , 2012, 86, 500-500.	2.5	0

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109	Draft Genome Sequence of Hawaiian Sea Slug Symbiont <i>Vibrio</i> sp. Strain ER1A. Genome Announcements, 2014, 2, .	0.8	0
110	Draft Genome Sequence of the Alga-Aggregating Bacterium <i>Bacillus</i> sp. Strain RP1137. Genome Announcements, 2014, 2, .	0.8	0
111	Draft Genome Sequences of Three Sponge-Associated Actinomycetes Exhibiting Antimycobacterial Activity. Microbiology Resource Announcements, 2019, 8, .	0.6	0
112	Industrial microbiology and biotechnology - 2006 Annual Meeting. IDrugs: the Investigational Drugs Journal, 2006, 9, 690-2.	0.7	0