

# Jonathan L Klassen

## List of Publications by Year in descending order

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Version: 2024-02-01

52  
papers

4,172  
citations

218381

26  
h-index

189595

50  
g-index

63  
all docs

63  
docs citations

63  
times ranked

6445  
citing authors

#	ARTICLE	IF	CITATIONS
1	Trachymyrmex septentrionalis Ant Microbiome Assembly Is Unique to Individual Colonies and Castes. MSphere, 2022, 7, .	1.3	4
2	A genomic catalog of Earth's microbiomes. Nature Biotechnology, 2021, 39, 499-509.	9.4	457
3	Antimicrobial Peptides and Copper(II) Ions: Novel Therapeutic Opportunities. Chemical Reviews, 2021, 121, 2648-2712.	23.0	55
4	North American Fireflies Host Low Bacterial Diversity. Microbial Ecology, 2021, 82, 793-804.	1.4	3
5	Chemical Gradients of Plant Substrates in an <i>Atta texana</i> Fungus Garden. MSystems, 2021, 6, e0060121.	1.7	2
6	Ecology helps bound causal explanations in microbiology. Biology and Philosophy, 2020, 35, 1.	0.7	8
7	Mass spectrometry searches using MASST. Nature Biotechnology, 2020, 38, 23-26.	9.4	160
8	Broadening Participation in Scientific Conferences during the Era of Social Distancing. Trends in Microbiology, 2020, 28, 949-952.	3.5	31
9	Pseudonocardia Symbionts of Fungus-Growing Ants and the Evolution of Defensive Secondary Metabolism. Frontiers in Microbiology, 2020, 11, 621041.	1.5	31
10	Editorial overview: Hidden players: microbes reshape the insect niche. Current Opinion in Insect Science, 2020, 39, vi-ix.	2.2	1
11	Cycloheximide-Producing Streptomyces Associated With Xyleborinus saxesenii and Xyleborus affinis Fungus-Farming Ambrosia Beetles. Frontiers in Microbiology, 2020, 11, 562140.	1.5	22
12	Draft Genome Sequence of Spiroplasma platyhelix ATCC 51748, Isolated from a Dragonfly. Microbiology Resource Announcements, 2020, 9, .	0.3	0
13	Efomycins K and L From a Termite-Associated Streptomyces sp. M56 and Their Putative Biosynthetic Origin. Frontiers in Microbiology, 2019, 10, 1739.	1.5	23
14	The antimicrobial potential of Streptomyces from insect microbiomes. Nature Communications, 2019, 10, 516.	5.8	222
15	Evaluation of strategies for the assembly of diverse bacterial genomes using MinION long-read sequencing. BMC Genomics, 2019, 20, 23.	1.2	110
16	Evaluation of DESS as a storage medium for microbial community analysis. PeerJ, 2019, 7, e6414.	0.9	18
17	Keeping it fresh. ELife, 2019, 8, .	2.8	0
18	Propagating annotations of molecular networks using in silico fragmentation. PLoS Computational Biology, 2018, 14, e1006089.	1.5	242

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19	Defining microbiome function. <i>Nature Microbiology</i> , 2018, 3, 864-869.	5.9	37
20	High-Quality Draft Genome Sequences of Eight Bacteria Isolated from Fungus Gardens Grown by <i>Trachymyrmex septentrionalis</i> Ants. <i>Microbiology Resource Announcements</i> , 2018, 7, .	0.3	3
21	Macrotermycins Aâ€“D, Glycosylated Macrolactams from a Termite-Associated <i>Amycolatopsis</i> sp. M39. <i>Organic Letters</i> , 2017, 19, 1000-1003.	2.4	115
22	Isolation, Biosynthesis and Chemical Modifications of Rubterolones Aâ€“F: Rare Tropolone Alkaloids from <i>Actinomadura</i> sp. 5â€“2. <i>Chemistry - A European Journal</i> , 2017, 23, 9338-9345.	1.7	39
23	Linear Peptides Are the Major Products of a Biosynthetic Pathway That Encodes for Cyclic Depsipeptides. <i>Organic Letters</i> , 2017, 19, 1772-1775.	2.4	35
24	Can They Make It on Their Own? Hosts, Microbes, and the Holobiont Niche. <i>Frontiers in Microbiology</i> , 2016, 7, 1647.	1.5	45
25	Getting the Hologenome Concept Right: an Eco-Evolutionary Framework for Hosts and Their Microbiomes. <i>MSystems</i> , 2016, 1, .	1.7	388
26	Draft Genome Sequence of <i>Shewanella</i> sp. Strain P1-14-1, a Bacterial Inducer of Settlement and Morphogenesis in Larvae of the Marine Hydroid <i>Hydractinia echinata</i> . <i>Genome Announcements</i> , 2016, 4, .	0.8	4
27	Draft Genome Sequence of <i>Streptomyces</i> sp. Strain PTY087I2, Isolated from <i>Styela canopus</i> , a Panamanian Tunicate. <i>Genome Announcements</i> , 2016, 4, .	0.8	1
28	Draft Genome Sequence of <i>Streptomyces</i> sp. AVP053U2 Isolated from <i>Styela clava</i> , a Tunicate Collected in Long Island Sound. <i>Genome Announcements</i> , 2016, 4, .	0.8	3
29	Comparison of <i>Xenorhabdus bovienii</i> bacterial strain genomes reveals diversity in symbiotic functions. <i>BMC Genomics</i> , 2015, 16, 889.	1.2	22
30	Genome Sequences of Three <i>Pseudoalteromonas</i> Strains (P1-8, P1-11, and P1-30), Isolated from the Marine Hydroid <i>Hydractinia echinata</i> . <i>Genome Announcements</i> , 2015, 3, .	0.8	4
31	Draft Genome Sequences of Six <i>Pseudoalteromonas</i> Strains, P1-7a, P1-9, P1-13-1a, P1-16-1b, P1-25, and P1-26, Which Induce Larval Settlement and Metamorphosis in <i>Hydractinia echinata</i> . <i>Genome Announcements</i> , 2015, 3, .	0.8	8
32	<i>Xenorhabdus bovienii</i> Strain Diversity Impacts Coevolution and Symbiotic Maintenance with <i>Steinernema</i> spp. Nematode Hosts. <i>MBio</i> , 2015, 6, e00076.	1.8	63
33	Minimum Information about a Biosynthetic Gene cluster. <i>Nature Chemical Biology</i> , 2015, 11, 625-631.	3.9	715
34	Microbial secondary metabolites and their impacts on insect symbioses. <i>Current Opinion in Insect Science</i> , 2014, 4, 15-22.	2.2	28
35	Biofilm growth in human skeletal material from ancient Mesopotamia. <i>Journal of Archaeological Science</i> , 2013, 40, 24-29.	1.2	10
36	Metagenomics of Hydrocarbon Resource Environments Indicates Aerobic Taxa and Genes to be Unexpectedly Common. <i>Environmental Science &amp; Technology</i> , 2013, 47, 10708-10717.	4.6	179

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37	ORFcor: Identifying and Accommodating ORF Prediction Inconsistencies for Phylogenetic Analysis. PLoS ONE, 2013, 8, e58387.	1.1	15
38	Microtermolides A and B from Termite-Associated <i>Streptomyces</i> sp. and Structural Revision of Vinylamycin. Organic Letters, 2012, 14, 2822-2825.	2.4	95
39	Microbial Communities Involved in Methane Production from Hydrocarbons in Oil Sands Tailings. Environmental Science & Technology, 2012, 46, 9802-9810.	4.6	102
40	Microbial Strain Prioritization Using Metabolomics Tools for the Discovery of Natural Products. Analytical Chemistry, 2012, 84, 4277-4283.	3.2	166
41	Gene fragmentation in bacterial draft genomes: extent, consequences and mitigation. BMC Genomics, 2012, 13, 14.	1.2	69
42	Characterization of Hymenobacter isolates from Victoria Upper Glacier, Antarctica reveals five new species and substantial non-vertical evolution within this genus. Extremophiles, 2011, 15, 45-57.	0.9	99
43	Genome Sequence of <i>Streptomyces griseus</i> Strain XylebKG-1, an Ambrosia Beetle-Associated Actinomycete. Journal of Bacteriology, 2011, 193, 2890-2891.	1.0	35
44	Draft Genome Sequence of <i>Streptomyces</i> sp. Strain Wigar10, Isolated from a Surface-Sterilized Garlic Bulb. Journal of Bacteriology, 2011, 193, 6999-7000.	1.0	5
45	Detecting biogeochemical activity in basal ice using fluorescence spectroscopy. Annals of Glaciology, 2010, 51, 47-55.	2.8	17
46	Phylogenetic and Evolutionary Patterns in Microbial Carotenoid Biosynthesis Are Revealed by Comparative Genomics. PLoS ONE, 2010, 5, e11257.	1.1	97
47	Pathway Evolution by Horizontal Transfer and Positive Selection Is Accommodated by Relaxed Negative Selection upon Upstream Pathway Genes in Purple Bacterial Carotenoid Biosynthesis. Journal of Bacteriology, 2009, 191, 7500-7508.	1.0	17
48	2-Methyl and 1-xylosyl derivatives of 2-hydroxyflexixanthin are major carotenoids of Hymenobacter species. Tetrahedron Letters, 2009, 50, 2656-2660.	0.7	7
49	Bacterial diversity associated with ornithogenic soil of the Ross Sea region, Antarctica This article is one of a selection of papers in the Special Issue on Polar and Alpine Microbiology.. Canadian Journal of Microbiology, 2009, 55, 21-36.	0.8	77
50	Differences in Carotenoid Composition among <i>Hymenobacter</i> and Related Strains Support a Tree-Like Model of Carotenoid Evolution. Applied and Environmental Microbiology, 2008, 74, 2016-2022.	1.4	58
51	A Structural and Functional Analysis of $\alpha$ -Glucan Recognition by Family 25 and 26 Carbohydrate-binding Modules Reveals a Conserved Mode of Starch Recognition. Journal of Biological Chemistry, 2006, 281, 587-598.	1.6	90
52	Comparison of Ileum Microflora of Pigs Fed Corn-, Wheat-, or Barley-Based Diets by Chaperonin-60 Sequencing and Quantitative PCR. Applied and Environmental Microbiology, 2005, 71, 867-875.	1.4	89