

Jonathan L Klassen

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8016828/publications.pdf>

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	Minimum Information about a Biosynthetic Gene cluster. <i>Nature Chemical Biology</i> , 2015, 11, 625-631.	3.9	715
2	A genomic catalog of Earth's microbiomes. <i>Nature Biotechnology</i> , 2021, 39, 499-509.	9.4	457
3	Getting the Hologenome Concept Right: an Eco-Evolutionary Framework for Hosts and Their Microbiomes. <i>MSystems</i> , 2016, 1, .	1.7	388
4	Propagating annotations of molecular networks using in silico fragmentation. <i>PLoS Computational Biology</i> , 2018, 14, e1006089.	1.5	242
5	The antimicrobial potential of <i>Streptomyces</i> from insect microbiomes. <i>Nature Communications</i> , 2019, 10, 516.	5.8	222
6	Metagenomics of Hydrocarbon Resource Environments Indicates Aerobic Taxa and Genes to be Unexpectedly Common. <i>Environmental Science & Technology</i> , 2013, 47, 10708-10717.	4.6	179
7	Microbial Strain Prioritization Using Metabolomics Tools for the Discovery of Natural Products. <i>Analytical Chemistry</i> , 2012, 84, 4277-4283.	3.2	166
8	Mass spectrometry searches using MASST. <i>Nature Biotechnology</i> , 2020, 38, 23-26.	9.4	160
9	Macrotermycins A-D, Glycosylated Macrolactams from a Termite-Associated <i>Amycolatopsis</i> sp. M39. <i>Organic Letters</i> , 2017, 19, 1000-1003.	2.4	115
10	Evaluation of strategies for the assembly of diverse bacterial genomes using MinION long-read sequencing. <i>BMC Genomics</i> , 2019, 20, 23.	1.2	110
11	Microbial Communities Involved in Methane Production from Hydrocarbons in Oil Sands Tailings. <i>Environmental Science & Technology</i> , 2012, 46, 9802-9810.	4.6	102
12	Characterization of <i>Hymenobacter</i> isolates from Victoria Upper Glacier, Antarctica reveals five new species and substantial non-vertical evolution within this genus. <i>Extremophiles</i> , 2011, 15, 45-57.	0.9	99
13	Phylogenetic and Evolutionary Patterns in Microbial Carotenoid Biosynthesis Are Revealed by Comparative Genomics. <i>PLoS ONE</i> , 2010, 5, e11257.	1.1	97
14	Microtermolides A and B from Termite-Associated <i>Streptomyces</i> sp. and Structural Revision of Vinylamycin. <i>Organic Letters</i> , 2012, 14, 2822-2825.	2.4	95
15	A Structural and Functional Analysis of α -Glucan Recognition by Family 25 and 26 Carbohydrate-binding Modules Reveals a Conserved Mode of Starch Recognition. <i>Journal of Biological Chemistry</i> , 2006, 281, 587-598.	1.6	90
16	Comparison of Ileum Microflora of Pigs Fed Corn-, Wheat-, or Barley-Based Diets by Chaperonin-60 Sequencing and Quantitative PCR. <i>Applied and Environmental Microbiology</i> , 2005, 71, 867-875.	1.4	89
17	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.. <i>Canadian Journal of Microbiology</i> , 2009, 55, 21-36.	0.8	77
18	Gene fragmentation in bacterial draft genomes: extent, consequences and mitigation. <i>BMC Genomics</i> , 2012, 13, 14.	1.2	69

#	ARTICLE	IF	CITATIONS
19	Xenorhabdus bovienii Strain Diversity Impacts Coevolution and Symbiotic Maintenance with <i>Steinernema</i> spp. Nematode Hosts. MBio, 2015, 6, e00076.	1.8	63
20	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
21	Antimicrobial Peptides and Copper(II) Ions: Novel Therapeutic Opportunities. Chemical Reviews, 2021, 121, 2648-2712.	23.0	55
22	Can They Make It on Their Own? Hosts, Microbes, and the Holobiont Niche. Frontiers in Microbiology, 2016, 7, 1647.	1.5	45
23	Isolation, Biosynthesis and Chemical Modifications of Rubterolones A-F: Rare Tropolone Alkaloids from <i>Actinomadura</i> sp. 5. Chemistry - A European Journal, 2017, 23, 9338-9345.	1.7	39
24	Defining microbiome function. Nature Microbiology, 2018, 3, 864-869.	5.9	37
25	Genome Sequence of Streptomyces griseus Strain XylebKG-1, an Ambrosia Beetle-Associated Actinomycete. Journal of Bacteriology, 2011, 193, 2890-2891.	1.0	35
26	Linear Peptides Are the Major Products of a Biosynthetic Pathway That Encodes for Cyclic Depsipeptides. Organic Letters, 2017, 19, 1772-1775.	2.4	35
27	Broadening Participation in Scientific Conferences during the Era of Social Distancing. Trends in Microbiology, 2020, 28, 949-952.	3.5	31
28	Pseudonocardia Symbionts of Fungus-Growing Ants and the Evolution of Defensive Secondary Metabolism. Frontiers in Microbiology, 2020, 11, 621041.	1.5	31
29	Microbial secondary metabolites and their impacts on insect symbioses. Current Opinion in Insect Science, 2014, 4, 15-22.	2.2	28
30	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
31	Comparison of Xenorhabdus bovienii bacterial strain genomes reveals diversity in symbiotic functions. BMC Genomics, 2015, 16, 889.	1.2	22
32	Cycloheximide-Producing Streptomyces Associated With Xyleborinus saxesenii and Xyleborus affinis Fungus-Farming Ambrosia Beetles. Frontiers in Microbiology, 2020, 11, 562140.	1.5	22
33	Evaluation of DESS as a storage medium for microbial community analysis. PeerJ, 2019, 7, e6414.	0.9	18
34	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
35	Detecting biogeochemical activity in basal ice using fluorescence spectroscopy. Annals of Glaciology, 2010, 51, 47-55.	2.8	17
36	ORFcor: Identifying and Accommodating ORF Prediction Inconsistencies for Phylogenetic Analysis. PLoS ONE, 2013, 8, e58387.	1.1	15

#	ARTICLE	IF	CITATIONS
37	Biofilm growth in human skeletal material from ancient Mesopotamia. <i>Journal of Archaeological Science</i> , 2013, 40, 24-29.	1.2	10
38	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
39	Ecology helps bound causal explanations in microbiology. <i>Biology and Philosophy</i> , 2020, 35, 1.	0.7	8
40	2-Methyl and 1-xylosyl derivatives of 2-hydroxyflexixanthin are major carotenoids of <i>Hymenobacter</i> species. <i>Tetrahedron Letters</i> , 2009, 50, 2656-2660.	0.7	7
41	Draft Genome Sequence of <i>Streptomyces</i> sp. Strain Wigar10, Isolated from a Surface-Sterilized Garlic Bulb. <i>Journal of Bacteriology</i> , 2011, 193, 6999-7000.	1.0	5
42	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
43	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
44	<i>Trachymyrmex septentrionalis</i> Ant Microbiome Assembly Is Unique to Individual Colonies and Castes. <i>MSphere</i> , 2022, 7, .	1.3	4
45	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
46	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
47	North American Fireflies Host Low Bacterial Diversity. <i>Microbial Ecology</i> , 2021, 82, 793-804.	1.4	3
48	Chemical Gradients of Plant Substrates in an <i>Atta texana</i> Fungus Garden. <i>MSystems</i> , 2021, 6, e0060121.	1.7	2
49	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
50	Editorial overview: Hidden players: microbes reshape the insect niche. <i>Current Opinion in Insect Science</i> , 2020, 39, vi-ix.	2.2	1
51	Keeping it fresh. <i>ELife</i> , 2019, 8, .	2.8	0
52	Draft Genome Sequence of <i>Spiroplasma platyhelix</i> ATCC 51748, Isolated from a Dragonfly. <i>Microbiology Resource Announcements</i> , 2020, 9, .	0.3	0