

# Jeffrey S Mclean

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2363064/publications.pdf>

Version: 2024-02-01

72  
papers

10,559  
citations

94433

37  
h-index

85541

71  
g-index

75  
all docs

75  
docs citations

75  
times ranked

15905  
citing authors

#	ARTICLE	IF	CITATIONS
1	Acquisition of the arginine deiminase system benefits epiparasitic Saccharibacteria and their host bacteria in a mammalian niche environment. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	30
2	Strain-Level Variation and Diverse Host Bacterial Responses in Episymbiotic Saccharibacteria. MSysystems, 2022, 7, e0148821.	3.8	6
3	Modified SHI medium supports growth of a disease-associated subgingival polymicrobial community in vitro. Molecular Oral Microbiology, 2021, 36, 37-49.	2.7	11
4	Human variation in gingival inflammation. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	25
5	Clinically Healthy Human Gingival Tissues Show Significant Inter-individual Variability in GCF Chemokine Expression and Subgingival Plaque Microbial Composition. Frontiers in Oral Health, 2021, 2, 689475.	3.0	7
6	Episymbiotic Saccharibacteria suppresses gingival inflammation and bone loss in mice through host bacterial modulation. Cell Host and Microbe, 2021, 29, 1649-1662.e7.	11.0	39
7	WTO must ban harmful fisheries subsidies. Science, 2021, 374, 544-544.	12.6	45
8	Acquisition and Adaptation of Ultra-small Parasitic Reduced Genome Bacteria to Mammalian Hosts. Cell Reports, 2020, 32, 107939.	6.4	152
9	The saccharibacterium TM7x elicits differential responses across its host range. ISME Journal, 2020, 14, 3054-3067.	9.8	35
10	Complete Genome Sequence of Strain BB001, a Novel Epibiont Bacterium from the Candidate Phylum Saccharibacteria (TM7). Microbiology Resource Announcements, 2020, 9, .	0.6	4
11	Rapamycin rejuvenates oral health in aging mice. ELife, 2020, 9, .	6.0	59
12	Discovery of a Novel Periodontal Disease-Associated Bacterium. Microbial Ecology, 2019, 77, 267-276.	2.8	26
13	The Distinct Immune-Stimulatory Capacities of Porphyromonas gingivalis Strains 381 and ATCC 33277 Are Determined by the fimB Allele and Gingipain Activity. Infection and Immunity, 2019, 87, .	2.2	12
14	Toll-like receptor 2 and 4 responses regulate neutrophil infiltration into the junctional epithelium and significantly contribute to the composition of the oral microbiota. Journal of Periodontology, 2019, 90, 1202-1212.	3.4	21
15	Klebsiella and Providencia emerge as lone survivors following long-term starvation of oral microbiota. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 8499-8504.	7.1	30
16	Identification of PGN_1123 as the Gene Encoding Lipid A Deacylase, an Enzyme Required for Toll-Like Receptor 4 Evasion, in Porphyromonas gingivalis. Journal of Bacteriology, 2019, 201, .	2.2	8
17	Oral health and plaque microbial profile in juvenile idiopathic arthritis. Pediatric Rheumatology, 2019, 17, 81.	2.1	18
18	Rapid evolution of decreased host susceptibility drives a stable relationship between ultrasmall parasite TM7x and its bacterial host. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 12277-12282.	7.1	59

#	ARTICLE	IF	CITATIONS
19	Uncovering complex microbiome activities via metatranscriptomics during 24-hour oral biofilm assembly and maturation. <i>Microbiome</i> , 2018, 6, 217.	11.1	34
20	Titanium as a modifier of the peri-implant microbiome structure. <i>Clinical Implant Dentistry and Related Research</i> , 2018, 20, 945-953.	3.7	58
21	Quorum Sensing Modulates the Epibiotic-Parasitic Relationship Between <i>Actinomyces odontolyticus</i> and Its <i>Saccharibacteria</i> epibiont, a <i>Nanosynbacter lyticus</i> Strain, TM7x. <i>Frontiers in Microbiology</i> , 2018, 9, 2049.	3.5	32
22	A Linear Plasmid-Like Prophage of <i>Actinomyces odontolyticus</i> Promotes Biofilm Assembly. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	3.1	20
23	Draft Genome Sequence of <i>Tannerella forsythia</i> Clinical Isolate 9610. <i>Genome Announcements</i> , 2017, 5, .	0.8	4
24	Metabolic Fingerprints from the Human Oral Microbiome Reveal a Vast Knowledge Gap of Secreted Small Peptidic Molecules. <i>MSystems</i> , 2017, 2, .	3.8	30
25	Human Oral Buccal Microbiomes Are Associated with Farmworker Status and Azinphos-Methyl Agricultural Pesticide Exposure. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	3.1	33
26	Redox Sensing within the Genus <i>Shewanella</i> . <i>Frontiers in Microbiology</i> , 2017, 8, 2568.	3.5	32
27	Metagenome and Metatranscriptome Analyses Using Protein Family Profiles. <i>PLoS Computational Biology</i> , 2016, 12, e1004991.	3.2	21
28	The well-coordinated linkage between acidogenicity and aciduricity via insoluble glucans on the surface of <i>Streptococcus mutans</i> . <i>Scientific Reports</i> , 2016, 5, 18015.	3.3	64
29	Draft Genome Sequence of Low-Passage Clinical Isolate <i>Porphyromonas gingivalis</i> MP4-504. <i>Genome Announcements</i> , 2016, 4, .	0.8	8
30	Draft Genome Sequence of <i>Actinomyces odontolyticus</i> subsp. <i>actinosynbacter</i> Strain XH001, the Basibiont of an Oral TM7 Epibiont. <i>Genome Announcements</i> , 2016, 4, .	0.8	32
31	The Denture-Associated Oral Microbiome in Health and Stomatitis. <i>MSphere</i> , 2016, 1, .	2.9	44
32	Sharing and community curation of mass spectrometry data with Global Natural Products Social Molecular Networking. <i>Nature Biotechnology</i> , 2016, 34, 828-837.	17.5	2,802
33	High-Quality Draft Genome Sequence of Low-pH-Active <i>Veillonella parvula</i> Strain SHI-1, Isolated from Human Saliva within an In Vitro Oral Biofilm Model. <i>Genome Announcements</i> , 2016, 4, .	0.8	1
34	Phenotypic and Physiological Characterization of the Epibiotic Interaction Between TM7x and Its Basibiont <i>Actinomyces</i> . <i>Microbial Ecology</i> , 2016, 71, 243-255.	2.8	68
35	<i>hybrid</i> SPA <i>des</i> : an algorithm for hybrid assembly of short and long reads. <i>Bioinformatics</i> , 2016, 32, 1009-1015.	4.1	463
36	Draft Genome Sequence of <i>Candidatus Bacteroides pericalifornicus</i> , a New Member of the <i>Bacteroidetes</i> Phylum Found within the Oral Microbiome of Periodontitis Patients. <i>Genome Announcements</i> , 2015, 3, .	0.8	11

#	ARTICLE	IF	CITATIONS
37	Meta-omics uncover temporal regulation of pathways across oral microbiome genera during <i>in vitro</i> sugar metabolism. ISME Journal, 2015, 9, 2605-2619.	9.8	63
38	Cultivation of a human-associated TM7 phylotype reveals a reduced genome and epibiotic parasitic lifestyle. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 244-249.	7.1	405
39	Precision-guided antimicrobial peptide as a targeted modulator of human microbial ecology. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 7569-7574.	7.1	135
40	Advancements toward a systems level understanding of the human oral microbiome. Frontiers in Cellular and Infection Microbiology, 2014, 4, 98.	3.9	76
41	Single cell genomics of bacterial pathogens: outlook for infectious disease research. Genome Medicine, 2014, 6, 108.	8.2	10
42	The social structure of microbial community involved in colonization resistance. ISME Journal, 2014, 8, 564-574.	9.8	83
43	Recent advances in genomic DNA sequencing of microbial species from single cells. Nature Reviews Genetics, 2014, 15, 577-584.	16.3	146
44	Assembling Genomes and Mini-metagenomes from Highly Chimeric Reads. Lecture Notes in Computer Science, 2013, , 158-170.	1.3	439
45	Assembling Single-Cell Genomes and Mini-Metagenomes From Chimeric MDA Products. Journal of Computational Biology, 2013, 20, 714-737.	1.6	1,235
46	An <i>in vitro</i> biofilm model system maintaining a highly reproducible species and metabolic diversity approaching that of the human oral microbiome. Microbiome, 2013, 1, 25.	11.1	106
47	Candidate phylum TM6 genome recovered from a hospital sink biofilm provides genomic insights into this uncultivated phylum. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E2390-9.	7.1	192
48	Genome of the pathogen <i>Porphyromonas gingivalis</i> recovered from a biofilm in a hospital sink using a high-throughput single-cell genomics platform. Genome Research, 2013, 23, 867-877.	5.5	58
49	Isolation and Genome Analysis of Single Virions using 'Single Virus Genomics'. Journal of Visualized Experiments, 2013, , e3899.	0.3	1
50	Investigating Acid Production by <i>Streptococcus mutans</i> with a Surface-Displayed pH-Sensitive Green Fluorescent Protein. PLoS ONE, 2013, 8, e57182.	2.5	42
51	Fe(III) Reduction and U(VI) Immobilization by <i>Paenibacillus</i> sp. Strain 300A, Isolated from Hanford 300A Subsurface Sediments. Applied and Environmental Microbiology, 2012, 78, 8001-8009.	3.1	26
52	Focusing in on Microbial Biofilms with Advanced Imaging and Genomic Approaches. Microscopy and Microanalysis, 2012, 18, 18-19.	0.4	0
53	Identifying Low pH Active and Lactate-Utilizing Taxa within Oral Microbiome Communities from Healthy Children Using Stable Isotope Probing Techniques. PLoS ONE, 2012, 7, e32219.	2.5	49
54	Single Virus Genomics: A New Tool for Virus Discovery. PLoS ONE, 2011, 6, e17722.	2.5	112

#	ARTICLE	IF	CITATIONS
55	In situ effective diffusion coefficient profiles in live biofilms using pulsed-field gradient nuclear magnetic resonance. <i>Biotechnology and Bioengineering</i> , 2010, 106, 928-937.	3.3	76
56	Role of outer-membrane cytochromes MtrC and OmcA in the biomineralization of ferrihydrite by <i>Shewanella oneidensis</i> MR-1. <i>Geobiology</i> , 2010, 8, 56-68.	2.4	91
57	Using DGGE profiling to develop a novel culture medium suitable for oral microbial communities. <i>Molecular Oral Microbiology</i> , 2010, 25, 357-367.	2.7	93
58	Quantification of Electron Transfer Rates to a Solid Phase Electron Acceptor through the Stages of Biofilm Formation from Single Cells to Multicellular Communities. <i>Environmental Science &amp; Technology</i> , 2010, 44, 2721-2727.	10.0	122
59	Correction for Gorby et al., Electrically conductive bacterial nanowires produced by <i>Shewanella oneidensis</i> strain MR-1 and other microorganisms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 9535-9535.	7.1	12
60	NMR bioreactor development for live in-situ microbial functional analysis. <i>Journal of Magnetic Resonance</i> , 2008, 192, 159-166.	2.1	30
61	The influence of cultivation methods on <i>Shewanella oneidensis</i> physiology and proteome expression. <i>Archives of Microbiology</i> , 2008, 189, 313-324.	2.2	21
62	Correlated biofilm imaging, transport and metabolism measurements via combined nuclear magnetic resonance and confocal microscopy. <i>ISME Journal</i> , 2008, 2, 121-131.	9.8	76
63	Oxygen-dependent autoaggregation in <i>Shewanella oneidensis</i> MR-1. <i>Environmental Microbiology</i> , 2008, 10, 1861-1876.	3.8	77
64	Investigations of structure and metabolism within <i>Shewanella oneidensis</i> MR-1 biofilms. <i>Journal of Microbiological Methods</i> , 2008, 74, 47-56.	1.6	67
65	Utilization of DNA as a Sole Source of Phosphorus, Carbon, and Energy by <i>Shewanella</i> spp.: Ecological and Physiological Implications for Dissimilatory Metal Reduction. <i>Applied and Environmental Microbiology</i> , 2008, 74, 1198-1208.	3.1	129
66	An estimate of biofilm properties using an acoustic microscope. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2006, 53, 1637-1648.	3.0	3
67	Electrically conductive bacterial nanowires produced by <i>Shewanella oneidensis</i> strain MR-1 and other microorganisms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 11358-11363.	7.1	1,629
68	c-Type Cytochrome-Dependent Formation of U(IV) Nanoparticles by <i>Shewanella oneidensis</i> . <i>PLoS Biology</i> , 2006, 4, e268.	5.6	310
69	Preparation and evaluation of spore-specific affinity-augmented bio-imprinted beads. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 386, 211-219.	3.7	33
70	NMR methods for in situ biofilm metabolism studies. <i>Journal of Microbiological Methods</i> , 2005, 62, 337-344.	1.6	57
71	Effects of varied pH, growth rate and temperature using controlled fermentation and batch culture on Matrix Assisted Laser Desorption/Ionization whole cell protein fingerprints. <i>Journal of Microbiological Methods</i> , 2005, 62, 259-271.	1.6	65
72	Isolation and characterization of a chromium-reducing bacterium from a chromated copper arsenate-contaminated site. <i>Environmental Microbiology</i> , 2000, 2, 611-619.	3.8	119