Joe J Harrison

List of Publications by Year
in descending order

46 papers	6,842 citations	126907 33 h-index	243625 44 g-index
48 all docs	48 docs citations	48 times ranked	9703 citing authors

#	Article	IF	Citations
1	Sensory Perception in Bacterial Cyclic Diguanylate Signal Transduction. Journal of Bacteriology, 2022, 204, JB0043321.	2.2	24
2	Natural killer cells kill extracellular Pseudomonas aeruginosa using contact-dependent release of granzymes B and H. PLoS Pathogens, 2022, 18, e1010325.	4.7	13
3	Bacterial cyclic diguanylate signaling networks sense temperature. Nature Communications, 2021, 12, 1986.	12.8	35
4	Minimum information guideline for spectrophotometric and fluorometric methods to assess biofilm formation in microplates. Biofilm, 2020, 2, 100010.	3.8	50
5	Elevated exopolysaccharide levels in Pseudomonas aeruginosa flagellar mutants have implications for biofilm growth and chronic infections. PLoS Genetics, 2020, 16, e1008848.	3.5	52
6	PelX is a UDP-N-acetylglucosamine C4-epimerase involved in Pel polysaccharideâ€“dependent biofilm formation. Journal of Biological Chemistry, 2020, 295, 11949-11962.	3.4	10
7	Pel Polysaccharide Biosynthesis Requires an Inner Membrane Complex Comprised of PelD, PelE, PelF, and PelG. Journal of Bacteriology, 2020, 202, .	2.2	29
8	Sensory Domains That Control Cyclic di-GMP-Modulating Proteins: A Critical Frontier in Bacterial Signal Transduction. , 2020, , 137-158.		4
9	Bacterial fitness in chronic wounds appears to be mediated by the capacity for high-density growth, not virulence or biofilm functions. PLoS Pathogens, 2019, 15, e1007511.	4.7	33
10	A Biofilm Matrix-Associated Protease Inhibitor Protects Pseudomonas aeruginosa from Proteolytic Attack. MBio, 2018, 9, .	4.1	63
11	Giardia duodenalis induces pathogenic dysbiosis of human intestinal microbiota biofilms. International Journal for Parasitology, 2017, 47, 311-326.	3.1	125
12	Oligomeric lipoprotein PelC guides Pel polysaccharide export across the outer membrane of <i>Pseudomonas aeruginosa</i>. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 2892-2897.	7.1	31
13	PelA and PelB proteins form a modification and secretion complex essential for Pel polysaccharide-dependent biofilm formation in Pseudomonas aeruginosa. Journal of Biological Chemistry, 2017, 292, 19411-19422.	3.4	47
14	Measuring Cyclic Diguanylate (c-di-GMP)-Specific Phosphodiesterase Activity Using the MANT-c-di-GMP Assay. Methods in Molecular Biology, 2017, 1657, 263-278.	0.9	1
15	Evolved Aztreonam Resistance Is Multifactorial and Can Produce Hypervirulence in <i>Pseudomonas aeruginosa</i>. MBio, 2017, 8, .	4.1	65
16	Clinical utilization of genomics data produced by the international Pseudomonas aeruginosa consortium. Frontiers in Microbiology, 2015, 6, 1036.	3.5	144
17	Oligoribonuclease is a central feature of cyclic diguanylate signaling in <i>Pseudomonas aeruginosa</i>. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 11359-11364.	7.1	99
18	In-Frame and Unmarked Gene Deletions in Burkholderia cenocepacia via an Allelic Exchange System Compatible with Gateway Technology. Applied and Environmental Microbiology, 2015, 81, 3623-3630.	3.1	22

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19	The Cyclic AMP-Vfr Signaling Pathway in Pseudomonas aeruginosa Is Inhibited by Cyclic Di-GMP. Journal of Bacteriology, 2015, 197, 2190-2200.	2.2	73
20	Precision-engineering the Pseudomonas aeruginosa genome with two-step allelic exchange. Nature Protocols, 2015, 10, 1820-1841.	12.0	381
21	ChIP-Seq and RNA-Seq Reveal an AmrZ-Mediated Mechanism for Cyclic di-GMP Synthesis and Biofilm Development by Pseudomonas aeruginosa. PLoS Pathogens, 2014, 10, e1003984.	4.7	149
22	The Stringent Response Controls Catalases in Pseudomonas aeruginosa and Is Required for Hydrogen Peroxide and Antibiotic Tolerance. Journal of Bacteriology, 2013, 195, 2011-2020.	2.2	143
23	Psl trails guide exploration and microcolony formation in Pseudomonas aeruginosa biofilms. Nature, 2013, 497, 388-391.	27.8	308
24	Antimicrobial activity of metals: mechanisms, molecular targets and applications. Nature Reviews Microbiology, 2013, 11, 371-384.	28.6	1,987
25	The extracellular matrix protects <i><scp>P</scp>seudomonas aeruginosa</i> biofilms by limiting the penetration of tobramycin. Environmental Microbiology, 2013, 15, 2865-2878.	3.8	357
26	Different Methods for Culturing Biofilms In Vitro. , 2011, , 251-266.		18
27	Microtiter susceptibility testing of microbes growing on peg lids: a miniaturized biofilm model for high-throughput screening. Nature Protocols, 2010, 5, 1236-1254.	12.0	262
28	Phenotypic and metabolic profiling of colony morphology variants evolved from <i>Pseudomonas fluorescens</i> biofilms. Environmental Microbiology, 2010, 12, 1565-1577.	3.8	53
29	The Chromosomal Toxin Gene <i>yafQ</i> Is a Determinant of Multidrug Tolerance for <i>Escherichia coli</i> Growing in a Biofilm. Antimicrobial Agents and Chemotherapy, 2009, 53, 2253-2258.	3.2	167
30	Chromosomal antioxidant genes have metal ionâ€specific roles as determinants of bacterial metal tolerance. Environmental Microbiology, 2009, 11, 2491-2509.	3.8	112
31	<i>Pseudomonas fluorescens</i>' view of the periodic table. Environmental Microbiology, 2008, 10, 238-250.	3.8	78
32	Copper and Quaternary Ammonium Cations Exert Synergistic Bactericidal and Antibiofilm Activity against<i>Pseudomonas aeruginosa</i>. Antimicrobial Agents and Chemotherapy, 2008, 52, 2870-2881.	3.2	154
33	Metal Ions May Suppress or Enhance Cellular Differentiation in Candida albicans and Candida tropicalis Biofilms. Applied and Environmental Microbiology, 2007, 73, 4940-4949.	3.1	58
34	The Bacterial Response to the Chalcogen Metalloids Se and Te. Advances in Microbial Physiology, 2007, 53, 1-312.	2.4	152
35	Multimetal resistance and tolerance in microbial biofilms. Nature Reviews Microbiology, 2007, 5, 928-938.	28.6	545
36	The GacS sensor kinase controls phenotypic reversion of small colony variants isolated from biofilms of Pseudomonas aeruginosa PA14. FEMS Microbiology Ecology, 2007, 59, 32-46.	2.7	70

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37	A subpopulation ofCandida albicansandCandida tropicalisbiofilm cells are highly tolerant to chelating agents. FEMS Microbiology Letters, 2007, 272, 172-181.	1.8	41
38	Metal resistance in Candida biofilms. FEMS Microbiology Ecology, 2006, 55, 479-491.	2.7	84
39	The use of microscopy and three-dimensional visualization to evaluate the structure of microbial biofilms cultivated in the calgary biofilm device. Biological Procedures Online, 2006, 8, 194-215.	2.9	121
40	Persister cells, the biofilm matrix and tolerance to metal cations in biofilm and planktonic <i>Pseudomonas aeruginosa</i>. Environmental Microbiology, 2005, 7, 981-994.	3.8	190
41	High-throughput metal susceptibility testing of microbial biofilms. BMC Microbiology, 2005, 5, 53.	3.3	94
42	Effects of the twin-arginine translocase on the structure and antimicrobial susceptibility of Escherichia coli biofilms. Canadian Journal of Microbiology, 2005, 51, 671-683.	1.7	14
43	Persister cells mediate tolerance to metal oxyanions in Escherichia coli. Microbiology (United) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	1.8	113
44	Biofilm susceptibility to metal toxicity. Environmental Microbiology, 2004, 6, 1220-1227.	3.8	202
45	Differences in biofilm and planktonic cell mediated reduction of metalloid oxyanions. FEMS Microbiology Letters, 2004, 235, 357-362.	1.8	46
46	Differences in biofilm and planktonic cell mediated reduction of metalloid oxyanions. FEMS Microbiology Letters, 2004, 235, 357-362.	1.8	23