

Mark J McBride

List of Publications by Year in descending order

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65
papers

4,873
citations

87723

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128067

60
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68
all docs

68
docs citations

68
times ranked

3291
citing authors

#	ARTICLE	IF	CITATIONS
1	The surprisingly diverse ways that prokaryotes move. <i>Nature Reviews Microbiology</i> , 2008, 6, 466-476.	13.6	509
2	Bacterial Gliding Motility: Multiple Mechanisms for Cell Movement over Surfaces. <i>Annual Review of Microbiology</i> , 2001, 55, 49-75.	2.9	324
3	A protein secretion system linked to bacteroidete gliding motility and pathogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 276-281.	3.3	307
4	Gliding Motility and Por Secretion System Genes Are Widespread among Members of the Phylum Bacteroidetes. <i>Journal of Bacteriology</i> , 2013, 195, 270-278.	1.0	267
5	Novel Features of the Polysaccharide-Digesting Gliding Bacterium <i>Flavobacterium johnsoniae</i> as Revealed by Genome Sequence Analysis. <i>Applied and Environmental Microbiology</i> , 2009, 75, 6864-6875.	1.4	212
6	Genome Sequence of the Cellulolytic Gliding Bacterium <i>Cytophaga hutchinsonii</i> . <i>Applied and Environmental Microbiology</i> , 2007, 73, 3536-3546.	1.4	208
7	Carrageenan catabolism is encoded by a complex regulon in marine heterotrophic bacteria. <i>Nature Communications</i> , 2017, 8, 1685.	5.8	131
8	<i>Flavobacterium johnsoniae</i> Gliding Motility Genes Identified by mariner Mutagenesis. <i>Journal of Bacteriology</i> , 2005, 187, 6943-6952.	1.0	122
9	<i>Flavobacterium johnsoniae</i> GldK, GldL, GldM, and SprA Are Required for Secretion of the Cell Surface Gliding Motility Adhesins SprB and RemA. <i>Journal of Bacteriology</i> , 2013, 195, 3201-3212.	1.0	116
10	Helical flow of surface protein required for bacterial gliding motility. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 11145-11150.	3.3	113
11	<i>Flavobacterium</i> gliding motility and the type IX secretion system. <i>Current Opinion in Microbiology</i> , 2015, 28, 72-77.	2.3	113
12	SprB Is a Cell Surface Component of the <i>Flavobacterium johnsoniae</i> Gliding Motility Machinery. <i>Journal of Bacteriology</i> , 2008, 190, 2851-2857.	1.0	96
13	<i>Flavobacterium johnsoniae</i> GldJ Is a Lipoprotein That Is Required for Gliding Motility. <i>Journal of Bacteriology</i> , 2005, 187, 2628-2637.	1.0	91
14	<i>Flavobacterium johnsoniae</i> Chitinase ChiA Is Required for Chitin Utilization and Is Secreted by the Type IX Secretion System. <i>Journal of Bacteriology</i> , 2014, 196, 961-970.	1.0	85
15	Genetic analyses unravel the crucial role of a horizontally acquired alginate lyase for brown algal biomass degradation by <i>Zobellia galactanivorans</i> . <i>Environmental Microbiology</i> , 2017, 19, 2164-2181.	1.8	84
16	The Family Flavobacteriaceae. , 2014, , 643-676.		83
17	<i>Flavobacterium johnsoniae</i> PorV Is Required for Secretion of a Subset of Proteins Targeted to the Type IX Secretion System. <i>Journal of Bacteriology</i> , 2015, 197, 147-158.	1.0	81
18	Cell Surface Filaments of the Gliding Bacterium <i>Flavobacterium johnsoniae</i> Revealed by Cryo-Electron Tomography. <i>Journal of Bacteriology</i> , 2007, 189, 7503-7506.	1.0	76

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19	Bacteria that Glide with Helical Tracks. <i>Current Biology</i> , 2014, 24, R169-R173.	1.8	76
20	The Family Cytophagaceae. , 2014, , 577-593.		75
21	Cloning and Characterization of the <i>Flavobacterium johnsoniae</i> Gliding-Motility Genes <i>gldB</i> and <i>gldC</i> . <i>Journal of Bacteriology</i> , 2000, 182, 911-918.	1.0	74
22	Mutations in <i>Flavobacterium johnsoniae</i> <i>gldF</i> and <i>gldG</i> Disrupt Gliding Motility and Interfere with Membrane Localization of <i>GldA</i> . <i>Journal of Bacteriology</i> , 2002, 184, 2370-2378.	1.0	74
23	<i>Flavobacterium johnsoniae</i> <i>GldH</i> Is a Lipoprotein That Is Required for Gliding Motility and Chitin Utilization. <i>Journal of Bacteriology</i> , 2003, 185, 6648-6657.	1.0	74
24	The Type IX Secretion System Is Required for Virulence of the Fish Pathogen <i>Flavobacterium columnare</i> . <i>Applied and Environmental Microbiology</i> , 2017, 83, .	1.4	74
25	Studies of growth and morphology of <i>Frankia</i> strains EAN1 _{pec} , Eu11 _c , Cpl1, and ACN1 ^{AG} . <i>Canadian Journal of Botany</i> , 1983, 61, 2768-2773.	1.2	70
26	<i>GldI</i> Is a Lipoprotein That Is Required for <i>Flavobacterium johnsoniae</i> Gliding Motility and Chitin Utilization. <i>Journal of Bacteriology</i> , 2004, 186, 2295-2302.	1.0	70
27	<i>Flavobacterium johnsoniae</i> <i>gldN</i> and <i>gldO</i> Are Partially Redundant Genes Required for Gliding Motility and Surface Localization of <i>SprB</i> . <i>Journal of Bacteriology</i> , 2010, 192, 1201-1211.	1.0	70
28	A polysaccharide utilization locus from <i>Flavobacterium johnsoniae</i> enables conversion of recalcitrant chitin. <i>Biotechnology for Biofuels</i> , 2016, 9, 260.	6.2	70
29	<i>Flavobacterium johnsoniae</i> <i>RemA</i> Is a Mobile Cell Surface Lectin Involved in Gliding. <i>Journal of Bacteriology</i> , 2012, 194, 3678-3688.	1.0	69
30	Deletion of the <i>Cytophaga hutchinsonii</i> type IX secretion system gene <i>sprP</i> results in defects in gliding motility and cellulose utilization. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 763-775.	1.7	66
31	<i>Cytophaga-Flavobacterium</i> Gliding Motility. <i>Journal of Molecular Microbiology and Biotechnology</i> , 2004, 7, 63-71.	1.0	64
32	Mutations in <i>Flavobacterium johnsoniae</i> <i>sprE</i> Result in Defects in Gliding Motility and Protein Secretion. <i>Journal of Bacteriology</i> , 2011, 193, 5322-5327.	1.0	63
33	<i>Flavobacterium johnsoniae</i> <i>sprB</i> Is Part of an Operon Spanning the Additional Gliding Motility Genes <i>sprC</i> , <i>sprD</i> , and <i>sprF</i> . <i>Journal of Bacteriology</i> , 2011, 193, 599-610.	1.0	60
34	Cloning and Characterization of the <i>Flavobacterium johnsoniae</i> Gliding Motility Genes <i>gldD</i> and <i>gldE</i> . <i>Journal of Bacteriology</i> , 2001, 183, 4167-4175.	1.0	59
35	Behavioral analysis of single cells of <i>Myxococcus xanthus</i> response to prey cells of <i>Escherichia coli</i> . <i>FEMS Microbiology Letters</i> , 1996, 137, 227-231.	0.7	58
36	<i>Flavobacterium johnsoniae</i> <i>SprA</i> Is a Cell Surface Protein Involved in Gliding Motility. <i>Journal of Bacteriology</i> , 2007, 189, 7145-7150.	1.0	56

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37	Transposon Insertions in the <i>Flavobacterium johnsoniae</i> <i>ftsX</i> Gene Disrupt Gliding Motility and Cell Division. <i>Journal of Bacteriology</i> , 2000, 182, 1671-1679.	1.0	52
38	<i>Bacteroidetes</i> Gliding Motility and the Type IX Secretion System. <i>Microbiology Spectrum</i> , 2019, 7, .	1.2	52
39	Development and Use of a Gene Deletion Strategy for <i>Flavobacterium johnsoniae</i> To Identify the Redundant Gliding Motility Genes <i>remF</i> , <i>remG</i> , <i>remH</i> , and <i>remL</i> . <i>Journal of Bacteriology</i> , 2011, 193, 2418-2428.	1.0	47
40	Diverse C-Terminal Sequences Involved in <i>Flavobacterium johnsoniae</i> Protein Secretion. <i>Journal of Bacteriology</i> , 2017, 199, .	1.0	45
41	Periplasmic <i>Cytophaga hutchinsonii</i> Endoglucanases Are Required for Use of Crystalline Cellulose as the Sole Source of Carbon and Energy. <i>Applied and Environmental Microbiology</i> , 2016, 82, 4835-4845.	1.4	41
42	The unusual cellulose utilization system of the aerobic soil bacterium <i>Cytophaga hutchinsonii</i> . <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 7113-7127.	1.7	40
43	Untangling <i>Flavobacterium johnsoniae</i> Gliding Motility and Protein Secretion. <i>Journal of Bacteriology</i> , 2018, 200, .	1.0	33
44	The Type IX Secretion System Is Required for Virulence of the Fish Pathogen <i>Flavobacterium psychrophilum</i> . <i>Applied and Environmental Microbiology</i> , 2020, 86, .	1.4	33
45	Gene Deletion Strategy To Examine the Involvement of the Two Chondroitin Lyases in <i>Flavobacterium columnare</i> Virulence. <i>Applied and Environmental Microbiology</i> , 2015, 81, 7394-7402.	1.4	28
46	The Carboxy-Terminal Region of <i>Flavobacterium johnsoniae</i> <i>SprB</i> Facilitates Its Secretion by the Type IX Secretion System and Propulsion by the Gliding Motility Machinery. <i>Journal of Bacteriology</i> , 2019, 201, .	1.0	26
47	Mutations in <i>Flavobacterium johnsoniae</i> <i>secDF</i> Result in Defects in Gliding Motility and Chitin Utilization. <i>Journal of Bacteriology</i> , 2006, 188, 348-351.	1.0	25
48	Cooperation between Different CRISPR-Cas Types Enables Adaptation in an RNA-Targeting System. <i>MBio</i> , 2021, 12, .	1.8	24
49	Comparative Analysis of <i>Cellulophaga algicola</i> and <i>Flavobacterium johnsoniae</i> Gliding Motility. <i>Journal of Bacteriology</i> , 2016, 198, 1743-1754.	1.0	19
50	Photolyase of <i>Myxococcus xanthus</i> , a Gram-negative Eubacterium, Is More Similar to Photolyases Found in Archaea and "Higher" Eukaryotes than to Photolyases of Other Eubacteria. <i>Journal of Biological Chemistry</i> , 1996, 271, 6252-6259.	1.6	17
51	Germination and physiological properties of <i>Frankia</i> spores. <i>Plant and Soil</i> , 2003, 254, 57-67.	1.8	17
52	Shining a Light on an Opportunistic Pathogen. <i>Journal of Bacteriology</i> , 2010, 192, 6325-6326.	1.0	16
53	In situ imaging of bacterial outer membrane projections and associated protein complexes using electron cryo-tomography. <i>ELife</i> , 2021, 10, .	2.8	16
54	Outer membrane proteins related to <i>SusC</i> and <i>SusD</i> are not required for <i>Cytophaga hutchinsonii</i> cellulose utilization. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 6339-6350.	1.7	15

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55	Complete Genome Sequence of the Fish Pathogen <i>Flavobacterium columnare</i> Strain C#2. <i>Genome Announcements</i> , 2016, 4, .	0.8	15
56	Dynamic proton-dependent motors power type IX secretion and gliding motility in <i>Flavobacterium</i> . <i>PLoS Biology</i> , 2022, 20, e3001443.	2.6	14
57	Development of techniques for the genetic manipulation of the gliding bacteria <i>Lysobacter enzymogenes</i> and <i>Lysobacter brunescens</i> . <i>Canadian Journal of Microbiology</i> , 1996, 42, 896-902.	0.8	13
58	Type IX Secretion System Effectors and Virulence of the Model <i>Flavobacterium columnare</i> Strain MS-FC-4. <i>Applied and Environmental Microbiology</i> , 2022, 88, AEM0170521.	1.4	11
59	Type B CTD Proteins Secreted by the Type IX Secretion System Associate with PorP-like Proteins for Cell Surface Anchorage. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5681.	1.8	8
60	Draft Genome Sequence of the Fish Pathogen <i>Flavobacterium columnare</i> Strain MS-FC-4. <i>Genome Announcements</i> , 2018, 6, .	0.8	7
61	Germination and physiological properties of <i>Frankia</i> spores. , 2003, , 57-67.		5
62	<i>Bacteroidetes</i> Gliding Motility and the Type IX Secretion System. , 0, , 363-374.		4
63	The Monoheme <i>c</i> Subunit of Respiratory Alternative Complex III Is Not Essential for Electron Transfer to Cytochrome <i>aa₃</i> in <i>Flavobacterium johnsoniae</i> . <i>Microbiology Spectrum</i> , 2021, 9, e0013521.	1.2	2
64	Helical Flow of Surface Protein required for Bacterial Locomotion. <i>Biophysical Journal</i> , 2013, 104, 639a.	0.2	1
65	Nonflagellar Bacterial Motility. , 2018, , 319-319.		0