

Zhaomin Yang

List of Publications by Year in descending order

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40
papers

1,596
citations

430754

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37
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all docs

41
docs citations

41
times ranked

965
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemosensory pathways, motility and development in <i>Myxococcus xanthus</i> . <i>Nature Reviews Microbiology</i> , 2007, 5, 862-872.	13.6	251
2	<i>Myxococcus xanthus</i> dif Genes Are Required for Biogenesis of Cell Surface Fibrils Essential for Social Gliding Motility. <i>Journal of Bacteriology</i> , 2000, 182, 5793-5798.	1.0	131
3	A new set of chemotaxis homologues is essential for <i>Myxococcus xanthus</i> social motility. <i>Molecular Microbiology</i> , 1998, 30, 1123-1130.	1.2	127
4	Gliding Motility Revisited: How Do the Myxobacteria Move without Flagella?. <i>Microbiology and Molecular Biology Reviews</i> , 2010, 74, 229-249.	2.9	120
5	<i>Myxococcus xanthus</i> Chemotaxis Homologs DifD and DifG Negatively Regulate Fibril Polysaccharide Production. <i>Journal of Bacteriology</i> , 2004, 186, 1001-1008.	1.0	111
6	Exopolysaccharide biosynthesis genes required for social motility in <i>Myxococcus xanthus</i> . <i>Molecular Microbiology</i> , 2004, 55, 206-220.	1.2	105
7	Type IV pili function upstream of the Dif chemotaxis pathway in <i>Myxococcus xanthus</i> EPS regulation. <i>Molecular Microbiology</i> , 2006, 61, 447-456.	1.2	96
8	Crystal Structure of a Type IV Pilus Assembly ATPase: Insights into the Molecular Mechanism of PilB from <i>Thermus thermophilus</i> . <i>Structure</i> , 2016, 24, 1886-1897.	1.6	70
9	A CheW Homologue Is Required for <i>Myxococcus xanthus</i> Fruiting Body Development, Social Gliding Motility, and Fibril Biogenesis. <i>Journal of Bacteriology</i> , 2002, 184, 5654-5660.	1.0	44
10	Effect of cellular filamentation on adventurous and social gliding motility of <i>Myxococcus xanthus</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999, 96, 15178-15183.	3.3	41
11	A DnaK Homolog in <i>Myxococcus xanthus</i> Is Involved in Social Motility and Fruiting Body Formation. <i>Journal of Bacteriology</i> , 1998, 180, 218-224.	1.0	41
12	Chemotaxis in <i>Borrelia burgdorferi</i> . <i>Journal of Bacteriology</i> , 1998, 180, 231-235.	1.0	41
13	The Dif chemosensory pathway is directly involved in phosphatidylethanolamine sensory transduction in <i>Myxococcus xanthus</i> . <i>Molecular Microbiology</i> , 2005, 57, 1499-1508.	1.2	29
14	Nitrate-Dependent Activation of the Dif Signaling Pathway of <i>Myxococcus xanthus</i> Mediated by a NarX-DifA Interspecies Chimera. <i>Journal of Bacteriology</i> , 2005, 187, 6410-6418.	1.0	29
15	A CRISPR with Roles in <i>Myxococcus xanthus</i> Development and Exopolysaccharide Production. <i>Journal of Bacteriology</i> , 2014, 196, 4036-4043.	1.0	28
16	Demonstration of interactions among <i>Myxococcus xanthus</i> Dif chemotaxis-like proteins by the yeast two-hybrid system. <i>Archives of Microbiology</i> , 2005, 183, 243-252.	1.0	26
17	Phosphorylation and Dephosphorylation among Dif Chemosensory Proteins Essential for Exopolysaccharide Regulation in <i>Myxococcus xanthus</i> . <i>Journal of Bacteriology</i> , 2010, 192, 4267-4274.	1.0	25
18	The SKS1 protein kinase is a multicopy suppressor of the <i>snf3</i> mutation of <i>Saccharomyces cerevisiae</i> . , 1996, 12, 1407-1419.		24

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19	Independence and interdependence of Dif and Frz chemosensory pathways in <i>Myxococcus xanthus</i> chemotaxis. <i>Molecular Microbiology</i> , 2008, 69, 714-723.	1.2	21
20	FibA and PilA act cooperatively during fruiting body formation of <i>Myxococcus xanthus</i> . <i>Molecular Microbiology</i> , 2006, 61, 1283-1293.	1.2	20
21	The type IV pilus assembly ATPase PilB functions as a signaling protein to regulate exopolysaccharide production in <i>Myxococcus xanthus</i> . <i>Scientific Reports</i> , 2017, 7, 7263.	1.6	20
22	Phenotypic analyses of double mutants of <i>Myxococcus xanthus</i> . <i>FEMS Microbiology Letters</i> , 2000, 192, 211-215.	0.7	18
23	DifA, a Methyl-Accepting Chemoreceptor Protein-Like Sensory Protein, Uses a Novel Signaling Mechanism to Regulate Exopolysaccharide Production in <i>Myxococcus xanthus</i> . <i>Journal of Bacteriology</i> , 2011, 193, 759-767.	1.0	17
24	Type IV Pilus Proteins Form an Integrated Structure Extending from the Cytoplasm to the Outer Membrane. <i>PLoS ONE</i> , 2013, 8, e70144.	1.1	17
25	The orphan response regulator EpsW is a substrate of the DifE kinase and it regulates exopolysaccharide in <i>Myxococcus xanthus</i> . <i>Scientific Reports</i> , 2016, 5, 17831.	1.6	15
26	The type IV pilus assembly motor PilB is a robust hexameric ATPase with complex kinetics. <i>Biochemical Journal</i> , 2018, 475, 1979-1993.	1.7	13
27	Chemotaxis mediated by NarX-FrzCD chimeras and nonadapting repellent responses in <i>Myxococcus xanthus</i> . <i>Molecular Microbiology</i> , 2007, 66, 071119190133002-???	1.2	12
28	Programmed Cell Death: Role for MazF and MrpC in <i>Myxococcus</i> Multicellular Development. <i>Current Biology</i> , 2008, 18, R337-R339.	1.8	12
29	Isolation and characterization of a suppressor mutation that restores <i>Myxococcus xanthus</i> exopolysaccharide production. <i>Microbiology (United Kingdom)</i> , 2009, 155, 3599-3610.	0.7	11
30	<i>Metagonimoides oregonensis</i> (Heterophyidae: Digenea) Infection In Pleurocerid Snails and <i>Desmognathus quadramaculatus</i> Salamander Larvae In Southern Appalachian Streams. <i>Journal of Parasitology</i> , 2012, 98, 760-767.	0.3	11
31	Cyclic-di-GMP and ADP bind to separate domains of PilB as mutual allosteric effectors. <i>Biochemical Journal</i> , 2020, 477, 213-226.	1.7	11
32	Methylation of FrzCD Defines a Discrete Step in the Developmental Program of <i>Myxococcus xanthus</i> . <i>Journal of Bacteriology</i> , 1998, 180, 5765-5768.	1.0	11
33	The <i>Myxococcus xanthus</i> wbgB gene encodes a glycosyltransferase homologue required for lipopolysaccharide O-antigen biosynthesis. <i>Archives of Microbiology</i> , 2000, 174, 399-405.	1.0	10
34	The Hsp70-like StkA functions between T4P and Dif signaling proteins as a negative regulator of exopolysaccharide in <i>Myxococcus xanthus</i> . <i>PeerJ</i> , 2015, 3, e747.	0.9	10
35	High-Throughput Screen for Inhibitors of the Type IV Pilus Assembly ATPase PilB. <i>MSphere</i> , 2021, 6, .	1.3	9
36	Using a Concept Inventory to Reveal Student Thinking Associated with Common Misconceptions about Antibiotic Resistance. <i>Journal of Microbiology and Biology Education</i> , 2017, 18, .	0.5	8

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37	Composition, Structure, and Function of the Myxococcus xanthus Cell Envelope. , 2014, , 227-240.		2
38	Analysis of Myxococcus xanthus Vegetative Biofilms With Microtiter Plates. Frontiers in Microbiology, 2022, 13, 894562.	1.5	1
39	Genetic Manipulation of Myxobacteria. , 2014, , 262-272.		0
40	Construction and Use of Transposon MycoTetOP2 for Isolation of Conditional Mycobacteria Mutants. Frontiers in Microbiology, 2020, 10, 3091.	1.5	0