Rosa Laura Camarena

List of Publications by Year
in descending order

45 papers	615 citations	623188 14 h-index	642321 23 g-index
47 all docs	47 docs citations	47 times ranked	496 citing authors

#	Article	IF	Citations
1	A Complete Set of Flagellar Genes Acquired by Horizontal Transfer Coexists with the Endogenous Flagellar System in Rhodobacter sphaeroides. Journal of Bacteriology, 2007, 189, 3208-3216.	1.0	73
2	The flagellar hierarchy ofRhodobacter sphaeroidesis controlled by the concerted action of two enhancer-binding proteins. Molecular Microbiology, 2005, 58, 969-983.	1.2	45
3	The Flagellar Protein FliL Is Essential for Swimming in <i>Rhodobacter sphaeroides</i>. Journal of Bacteriology, 2010, 192, 6230-6239.	1.0	44
4	The four different Ïƒ54 factors of Rhodobacter sphaeroides are not functionally interchangeable. Molecular Microbiology, 2002, 46, 75-85.	1.2	36
5	Chemotactic Control of the Two Flagellar Systems of <i>Rhodobacter sphaeroides</i> Is Mediated by Different Sets of CheY and FliM Proteins. Journal of Bacteriology, 2007, 189, 8397-8401.	1.0	29
6	Biochemical Study of Multiple CheY Response Regulators of the Chemotactic Pathway of Rhodobacter sphaeroides. Journal of Bacteriology, 2004, 186, 5172-5177.	1.0	25
7	The Flagellar Muramidase from the Photosynthetic Bacterium <i>Rhodobacter sphaeroides</i>. Journal of Bacteriology, 2007, 189, 7998-8004.	1.0	24
8	Transcriptional repression ofgdhAinEscherichia coliis mediated by the Nac protein. FEMS Microbiology Letters, 1998, 167, 51-56.	0.7	20
9	Transcriptional Specificity of RpoN1 and RpoN2 Involves Differential Recognition of the Promoter Sequences and Specific Interaction with the Cognate Activator Proteins. Journal of Biological Chemistry, 2006, 281, 27205-27215.	1.6	20
10	The Flagellar Set Fla2 in Rhodobacter sphaeroides Is Controlled by the CckA Pathway and Is Repressed by Organic Acids and the Expression of Fla1. Journal of Bacteriology, 2015, 197, 833-847.	1.0	20
11	The Hook Gene (flgE) Is Expressed from the flgBCDEF Operon in Rhodobacter sphaeroides : Study of an flgE Mutant. Journal of Bacteriology, 2001, 183, 1680-1687.	1.0	19
12	Characterization of the flgG operon of Rhodobacter sphaeroides WS8 and its role in flagellum biosynthesis. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 2002, 1579, 55-63.	2.4	17
13	Structural and genetic analysis of a mutant of Rhodobacter sphaeroides WS8 deficient in hook length control. Journal of Bacteriology, 1997, 179, 6581-6588.	1.0	16
14	Ï‚54 Promoters Control Expression of Genes Encoding the Hook and Basal Body Complex in Rhodobacter sphaeroides. Journal of Bacteriology, 2000, 182, 5787-5792.	1.0	15
15	Evolutionary origin of the Rhodobacter sphaeroides specialized RpoN sigma factors. FEMS Microbiology Letters, 2012, 327, 93-102.	0.7	15
16	A Distant Homologue of the FlgT Protein Interacts with MotB and FliL and Is Essential for Flagellar Rotation in Rhodobacter sphaeroides. Journal of Bacteriology, 2013, 195, 5285-5296.	1.0	14
17	Nitrogen regulation in an Escherichia coli strain with a temperature sensitive glutamyl-tRNA synthetase. Molecular Genetics and Genomics, 1993, 239, 400-408.	2.4	13
18	In Rhodobacter sphaeroides, Chemotactic Operon 1 Regulates Rotation of the Flagellar System 2. Journal of Bacteriology, 2011, 193, 6781-6786.	1.0	13

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19	The C Terminus of the Flagellar Muramidase SltF Modulates the Interaction with FlgJ in Rhodobacter sphaeroides. Journal of Bacteriology, 2012, 194, 4513-4520.	1.0	13
20	The nitrogen assimilation control (Nac) protein repressesasnCandasnAtranscription inEscherichia coli. FEMS Microbiology Letters, 2002, 206, 151-156.	0.7	12
21	Structural Characterization of the Fla2 Flagellum of Rhodobacter sphaeroides. Journal of Bacteriology, 2015, 197, 2859-2866.	1.0	12
22	A New Essential Cell Division Protein in Caulobacter crescentus. Journal of Bacteriology, 2017, 199, .	1.0	10
23	The Master Regulators of the Fla1 and Fla2 Flagella of Rhodobacter sphaeroides Control the Expression of Their Cognate CheY Proteins. Journal of Bacteriology, 2017, 199, .	1.0	10
24	Flagellar genes from Rhodobacter sphaeroides are homologous to genes of the fliF operon of Salmonella typhimurium and to the type-III secretion system. Gene, 1996, 170, 69-72.	1.0	9
25	The Flagellar Switch Genes <i>fliM</i> and <i>fliN</i> of <i>Rhodobacter sphaeroides</i> Are Contained in a Large Flagellar Gene Cluster. Journal of Bacteriology, 1998, 180, 3978-3982.	1.0	9
26	A Novel Component of the Rhodobacter sphaeroides Fla1 Flagellum Is Essential for Motor Rotation. Journal of Bacteriology, 2012, 194, 6174-6183.	1.0	8
27	Biochemical Characterization of the Flagellar Rod Components of Rhodobacter sphaeroides: Properties and Interactions. Journal of Bacteriology, 2016, 198, 544-552.	1.0	8
28	The CtrA Regulon of Rhodobacter sphaeroides Favors Adaptation to a Particular Lifestyle. Journal of Bacteriology, 2020, 202, .	1.0	8
29	Na+- and H+-dependent motility in the coral pathogen Vibrio shilonii. FEMS Microbiology Letters, 2010, 312, 142-150.	0.7	7
30	Architecture of divergent flagellar promoters controlled by CtrA in Rhodobacter sphaeroides. BMC Microbiology, 2018, 18, 129.	1.3	7
31	An IS4Insertion at theglnAControl Region ofEscherichia coliCreates a New Promoter by Providing the â˜35 Region of Its 3â€²-End. Plasmid, 1998, 39, 41-47.	0.4	5
32	Living in a Foster Home: The Single Subpolar Flagellum Fla1 of Rhodobacter sphaeroides. Biomolecules, 2020, 10, 774.	1.8	5
33	Changes in fluidity of the <i>E.Âcoli</i> outer membrane in response to temperature, divalent cations and polymyxinâ€B show two different mechanisms of membrane fluidity adaptation. FEBS Journal, 2022, 289, 3550-3567.	2.2	5
34	Induction of the lateral flagellar system of Vibrio shilonii is an early event after inhibition of the sodium ion flux in the polar flagellum. Canadian Journal of Microbiology, 2015, 61, 183-191.	0.8	4
35	Characterization of FlgP, an Essential Protein for Flagellar Assembly in <i>Rhodobacter sphaeroides</i>. Journal of Bacteriology, 2019, 201, .	1.0	4
36	The N Terminus of FliM Is Essential To Promote Flagellar Rotation in Rhodobacter sphaeroides. Journal of Bacteriology, 2001, 183, 3142-3148.	1.0	3

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37	Biochemical and Phylogenetic Study of SltF, a Flagellar Lytic Transglycosylase from Rhodobacter sphaeroides. Journal of Bacteriology, 2018, 200, .	1.0	3
38	Establishment of a Protein Concentration Gradient in the Outer Membrane Requires Two Diffusion-Limiting Mechanisms. Journal of Bacteriology, 2019, 201, .	1.0	3
39	Functional analysis of a large non-conserved region of FlgK (HAP1) from Rhodobacter sphaeroides. Antonie Van Leeuwenhoek, 2009, 95, 77-90.	0.7	2
40	Role of single-strand DNA 3â€²-5â€² exonuclease ExoI and nuclease SbcCD in stationary-phase mutation in Escherichia coli K-12. Archives of Microbiology, 2009, 191, 185-190.	1.0	2
41	The periplasmic component of the DctPQM TRAP-transporter is part of the DctS/DctR sensory pathway in Rhodobacter sphaeroides. Microbiology (United Kingdom), 2021, 167, .	0.7	2
42	Modulation of the Enzymatic Activity of the Flagellar Lytic Transglycosylase SltF by Rod Components and the Scaffolding Protein FlgJ in Rhodobacter sphaeroides. Journal of Bacteriology, 2021, 203, e0037221.	1.0	2
43	Transcriptional repression of gdhA in Escherichia coli is mediated by the Nac protein. , 0, .		2
44	Purification of Fla2 Flagella of Rhodobacter sphaeroides. Methods in Molecular Biology, 2017, 1593, 273-283.	0.4	1
45	Bacterial cell-wall quantification by a modified low volume Nelson-Somogyi method and its use with different sugars. Canadian Journal of Microbiology, 2022, , .	0.8	1