

Isabelle Hug

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4561875/publications.pdf>

Version: 2024-02-01

16
papers

1,201
citations

623734

14
h-index

940533

16
g-index

18
all docs

18
docs citations

18
times ranked

1553
citing authors

#	ARTICLE	IF	CITATIONS
1	Definition of the bacterial N-glycosylation site consensus sequence. <i>EMBO Journal</i> , 2006, 25, 1957-1966.	7.8	314
2	Second messenger-mediated tactile response by a bacterial rotary motor. <i>Science</i> , 2017, 358, 531-534.	12.6	129
3	A Surface-Induced Asymmetric Program Promotes Tissue Colonization by <i>Pseudomonas aeruginosa</i> . <i>Cell Host and Microbe</i> , 2019, 25, 140-152.e6.	11.0	127
4	Bi-modal Distribution of the Second Messenger c-di-GMP Controls Cell Fate and Asymmetry during the <i>Caulobacter</i> Cell Cycle. <i>PLoS Genetics</i> , 2013, 9, e1003744.	3.5	123
5	Analogies and homologies in lipopolysaccharide and glycoprotein biosynthesis in bacteria. <i>Glycobiology</i> , 2011, 21, 138-151.	2.5	117
6	<i>Helicobacter pylori</i> Lipopolysaccharide Is Synthesized via a Novel Pathway with an Evolutionary Connection to Protein N-Glycosylation. <i>PLoS Pathogens</i> , 2010, 6, e1000819.	4.7	66
7	Cyclic di-GMP differentially tunes a bacterial flagellar motor through a novel class of CheY-like regulators. <i>ELife</i> , 2017, 6, .	6.0	62
8	Crystal structure of <i>Caulobacter crescentus</i> polynucleotide phosphorylase reveals a mechanism of RNA substrate channelling and RNA degradosome assembly. <i>Open Biology</i> , 2012, 2, 120028.	3.6	52
9	Tad Pili Play a Dynamic Role in <i>Caulobacter crescentus</i> Surface Colonization. <i>MBio</i> , 2019, 10, .	4.1	44
10	Exploiting Bacterial Glycosylation Machineries for the Synthesis of a Lewis Antigen-containing Glycoprotein. <i>Journal of Biological Chemistry</i> , 2011, 286, 37887-37894.	3.4	37
11	Characterization of a Bifunctional Pyranose-Furanose Mutase from <i>Campylobacter jejuni</i> 11168. <i>Journal of Biological Chemistry</i> , 2010, 285, 493-501.	3.4	30
12	Cohesive Properties of the <i>Caulobacter crescentus</i> Holdfast Adhesin Are Regulated by a Novel c-di-GMP Effector Protein. <i>MBio</i> , 2017, 8, .	4.1	29
13	In Vitro Activity of <i>Neisseria meningitidis</i> PglL O-Oligosaccharyltransferase with Diverse Synthetic Lipid Donors and a UDP-activated Sugar. <i>Journal of Biological Chemistry</i> , 2013, 288, 10578-10587.	3.4	22
14	In situ structure of the <i>Caulobacter crescentus</i> flagellar motor and visualization of binding of a CheY homolog. <i>Molecular Microbiology</i> , 2020, 114, 443-453.	2.5	22
15	Identification of Hfq-binding RNAs in <i>Caulobacter crescentus</i> . <i>RNA Biology</i> , 2019, 16, 719-726.	3.1	14
16	The expression of virulence genes increases membrane permeability and sensitivity to envelope stress in <i>Salmonella Typhimurium</i> . <i>PLoS Biology</i> , 2022, 20, e3001608.	5.6	13