

Anna Magdalena Zawilak-Pawlik

List of Publications by Year in descending order

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35
papers

1,217
citations

304743

22
h-index

377865

34
g-index

36
all docs

36
docs citations

36
times ranked

1074
citing authors

#	ARTICLE	IF	CITATIONS
1	HP1021 is a redox switch protein identified in <i>Helicobacter pylori</i> . Nucleic Acids Research, 2021, 49, 6863-6879.	14.5	10
2	Putative Cooperative ATP-Dependent DnaA Binding to Double-Stranded DnaA Box and Single-Stranded DnaA-Trio Motif upon <i>Helicobacter pylori</i> Replication Initiation Complex Assembly. International Journal of Molecular Sciences, 2021, 22, 6643.	4.1	9
3	Challenging the "gold standard" of colony-forming units - Validation of a multiplex real-time PCR for quantification of viable <i>Campylobacter</i> spp. in meat rinses. International Journal of Food Microbiology, 2021, 359, 109417.	4.7	16
4	The role of <i>Helicobacter pylori</i> DnaA domain I in oriosome assembly on a bipartite origin of chromosome replication. Molecular Microbiology, 2020, 113, 338-355.	2.5	5
5	Structural Insights into New Bi(III) Coordination Polymers with Pyridine-2,3-Dicarboxylic Acid: Photoluminescence Properties and Anti- <i>Helicobacter pylori</i> Activity. International Journal of Molecular Sciences, 2020, 21, 8696.	4.1	11
6	Establishment of serine protease htrA mutants in <i>Helicobacter pylori</i> is associated with secA mutations. Scientific Reports, 2019, 9, 11794.	3.3	19
7	Properties of the HtrA Protease From Bacterium <i>Helicobacter pylori</i> Whose Activity Is Indispensable for Growth Under Stress Conditions. Frontiers in Microbiology, 2019, 10, 961.	3.5	36
8	Chaperone activity of serine protease HtrA of <i>Helicobacter pylori</i> as a crucial survival factor under stress conditions. Cell Communication and Signaling, 2019, 17, 161.	6.5	22
9	Streptomycete origin of chromosomal replication with two putative unwinding elements. Microbiology (United Kingdom), 2019, 165, 1365-1375.	1.8	5
10	Structure and Function of the <i>Campylobacter jejuni</i> Chromosome Replication Origin. Frontiers in Microbiology, 2018, 9, 1533.	3.5	11
11	Recent Advances in <i>Helicobacter pylori</i> Replication: Possible Implications in Adaptation to a Pathogenic Lifestyle and Perspectives for Drug Design. Current Topics in Microbiology and Immunology, 2017, 400, 73-103.	1.1	4
12	The Role of the N-Terminal Domains of Bacterial Initiator DnaA in the Assembly and Regulation of the Bacterial Replication Initiation Complex. Genes, 2017, 8, 136.	2.4	45
13	Unique and Universal Features of Epsilonproteobacterial Origins of Chromosome Replication and DnaA-DnaA Box Interactions. Frontiers in Microbiology, 2016, 7, 1555.	3.5	24
14	Initiation of Chromosomal Replication in Predatory Bacterium <i>Bdellovibrio bacteriovorus</i> . Frontiers in Microbiology, 2016, 7, 1898.	3.5	25
15	Genetic Diversity as Consequence of a Microaerobic and Neutrophilic Lifestyle. PLoS Pathogens, 2016, 12, e1005626.	4.7	23
16	The atypical response regulator <i>HP1021</i> controls formation of the <i>Helicobacter pylori</i> replication initiation complex. Molecular Microbiology, 2015, 95, 297-312.	2.5	37
17	Beyond DnaA: The Role of DNA Topology and DNA Methylation in Bacterial Replication Initiation. Journal of Molecular Biology, 2014, 426, 2269-2282.	4.2	19
18	Ni ²⁺ chemistry in pathogens - a possible target for eradication. Dalton Transactions, 2014, 43, 8976-8989.	3.3	28

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19	Assembly of <i>Helicobacter pylori</i> Initiation Complex Is Determined by Sequence-Specific and Topology-Sensitive DnaA-oriC Interactions. <i>Journal of Molecular Biology</i> , 2014, 426, 2769-2782.	4.2	33
20	oriC-encoded instructions for the initiation of bacterial chromosome replication. <i>Frontiers in Microbiology</i> , 2014, 5, 735.	3.5	95
21	<i>Helicobacter pylori</i> oriC – the first bipartite origin of chromosome replication in Gram-negative bacteria. <i>Nucleic Acids Research</i> , 2012, 40, 9647-9660.	14.5	58
22	DiaA/HobA and DnaA: A Pair of Proteins Co-evolved to Cooperate During Bacterial Orisome Assembly. <i>Journal of Molecular Biology</i> , 2011, 408, 238-251.	4.2	34
23	Micro Ceramic Cell Analyzer (MCCA) – Preliminary results. <i>Microelectronics Reliability</i> , 2011, 51, 1250-1252.	1.7	8
24	Structural insight into <i>Helicobacter pylori</i> DNA replication initiation. <i>Gut Microbes</i> , 2010, 1, 330-334.	9.8	6
25	The structure of a DnaA/HobA complex from <i>Helicobacter pylori</i> provides insight into regulation of DNA replication in bacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 21115-21120.	7.1	48
26	Characterization of the mycobacterial chromosome segregation protein ParB and identification of its target in <i>Mycobacterium smegmatis</i> . <i>Microbiology (United Kingdom)</i> , 2007, 153, 4050-4060.	1.8	50
27	HobA ? a novel protein involved in initiation of chromosomal replication in <i>Helicobacter pylori</i> . <i>Molecular Microbiology</i> , 2007, 65, 979-994.	2.5	53
28	Regulation of the initiation of chromosomal replication in bacteria. <i>FEMS Microbiology Reviews</i> , 2007, 31, 378-387.	8.6	98
29	A simplified method for purification of recombinant soluble DnaA proteins. <i>Protein Expression and Purification</i> , 2006, 48, 126-133.	1.3	23
30	Cluster of DnaA Boxes Involved in Regulation of <i>Streptomyces</i> Chromosome Replication: from In Silico to In Vivo Studies. <i>Journal of Bacteriology</i> , 2006, 188, 6184-6194.	2.2	24
31	Architecture of bacterial replication initiation complexes: orisomes from four unrelated bacteria. <i>Biochemical Journal</i> , 2005, 389, 471-481.	3.7	53
32	Where does bacterial replication start? Rules for predicting the oriC region. <i>Nucleic Acids Research</i> , 2004, 32, 3781-3791.	14.5	184
33	<i>Mycobacterium tuberculosis</i> DnaA initiator protein: purification and DNA-binding requirements. <i>Biochemical Journal</i> , 2004, 382, 247-252.	3.7	25
34	DNA Binding Specificity of the Replication Initiator Protein, DnaA from <i>Helicobacter pylori</i> . <i>Journal of Molecular Biology</i> , 2003, 334, 933-947.	4.2	29
35	Identification of a putative chromosomal replication origin from <i>Helicobacter pylori</i> and its interaction with the initiator protein DnaA. <i>Nucleic Acids Research</i> , 2001, 29, 2251-2259.	14.5	46