Anna Magdalena Zawilak-Pawlik

List of Publications by Year
in descending order

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	Where does bacterial replication start? Rules for predicting the oriC region. Nucleic Acids Research, 2004, 32, 3781-3791.	14.5	184
2	Regulation of the initiation of chromosomal replication in bacteria. FEMS Microbiology Reviews, 2007, 31, 378-387.	8.6	98
3	oriC-encoded instructions for the initiation of bacterial chromosome replication. Frontiers in Microbiology, 2014, 5, 735.	3.5	95
4	Helicobacter pylori oriC â€"the first bipartite origin of chromosome replication in Gram-negative bacteria. Nucleic Acids Research, 2012, 40, 9647-9660.	14.5	58
5	Architecture of bacterial replication initiation complexes: orisomes from four unrelated bacteria. Biochemical Journal, 2005, 389, 471-481.	3.7	53
6	HobA ? a novel protein involved in initiation of chromosomal replication in Helicobacter pylori. Molecular Microbiology, 2007, 65, 979-994.	2.5	53
7	Characterization of the mycobacterial chromosome segregation protein ParB and identification of its target in Mycobacterium smegmatis. Microbiology (United Kingdom), 2007, 153, 4050-4060.	1.8	50
8	The structure of a DnaA/HobA complex from Helicobacter pylori provides insight into regulation of DNA replication in bacteria. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 21115-21120.	7.1	48
9	Identification of a putative chromosomal replication origin from Helicobacter pylori and its interaction with the initiator protein DnaA. Nucleic Acids Research, 2001, 29, 2251-2259.	14.5	46
10	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
11	The atypical response regulator <scp>HP</scp>1021 controls formation of the <scp>H</scp>elicobacter pylori replication initiation complex. Molecular Microbiology, 2015, 95, 297-312.	2.5	37
12	Properties of the HtrA Protease From Bacterium Helicobacter pylori Whose Activity Is Indispensable for Growth Under Stress Conditions. Frontiers in Microbiology, 2019, 10, 961.	3.5	36
13	DiaA/HobA and DnaA: A Pair of Proteins Co-evolved to Cooperate During Bacterial Orisome Assembly. Journal of Molecular Biology, 2011, 408, 238-251.	4.2	34
14	Assembly of Helicobacter pylori Initiation Complex Is Determined by Sequence-Specific and Topology-Sensitive DnaAâ€"oriC Interactions. Journal of Molecular Biology, 2014, 426, 2769-2782.	4.2	33
15	DNA Binding Specificity of the Replication Initiator Protein, DnaA from Helicobacter pylori. Journal of Molecular Biology, 2003, 334, 933-947.	4.2	29
16	Ni²⁺chemistry in pathogens â€" a possible target for eradication. Dalton Transactions, 2014, 43, 8976-8989.	3.3	28
17	Mycobacterium tuberculosis DnaA initiator protein: purification and DNA-binding requirements. Biochemical Journal, 2004, 382, 247-252.	3.7	25
18	Initiation of Chromosomal Replication in Predatory Bacterium Bdellovibrio bacteriovorus. Frontiers in Microbiology, 2016, 7, 1898.	3.5	25

#	Article	IF	Citations
19	Cluster of DnaA Boxes Involved in Regulation of Streptomyces Chromosome Replication: from In Silico to In Vivo Studies. Journal of Bacteriology, 2006, 188, 6184-6194.	2.2	24
20	Unique and Universal Features of Epsilonproteobacterial Origins of Chromosome Replication and DnaA-DnaA Box Interactions. Frontiers in Microbiology, 2016, 7, 1555.	3.5	24
21	A simplified method for purification of recombinant soluble DnaA proteins. Protein Expression and Purification, 2006, 48, 126-133.	1.3	23
22	Genetic Diversity as Consequence of a Microaerobic and Neutrophilic Lifestyle. PLoS Pathogens, 2016, 12, e1005626.	4.7	23
23	Chaperone activity of serine protease HtrA of Helicobacter pylori as a crucial survival factor under stress conditions. Cell Communication and Signaling, 2019, 17, 161.	6.5	22
24	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
25	Establishment of serine protease htrA mutants in Helicobacter pylori is associated with secA mutations. Scientific Reports, 2019, 9, 11794.	3.3	19
26	Challenging the â€œgold standardâ€•of colony-forming units - Validation of a multiplex real-time PCR for quantification of viable Campylobacter spp. in meat rinses. International Journal of Food Microbiology, 2021, 359, 109417.	4.7	16
27	Structure and Function of the Campylobacter jejuni Chromosome Replication Origin. Frontiers in Microbiology, 2018, 9, 1533.	3.5	11
28	Structural Insights into New Bi(III) Coordination Polymers with Pyridine-2,3-Dicarboxylic Acid: Photoluminescence Properties and Anti-Helicobacter pylori Activity. International Journal of Molecular Sciences, 2020, 21, 8696.	4.1	11
29	HP1021 is a redox switch protein identified in Helicobacter pylori. Nucleic Acids Research, 2021, 49, 6863-6879.	14.5	10
30	Putative Cooperative ATPâ€“DnaA Binding to Double-Stranded DnaA Box and Single-Stranded DnaA-Trio Motif upon Helicobacter pylori Replication Initiation Complex Assembly. International Journal of Molecular Sciences, 2021, 22, 6643.	4.1	9
31	Micro Ceramic Cell Analyzer (MCCA) â€“ Preliminary results. Microelectronics Reliability, 2011, 51, 1250-1252.	1.7	8
32	Structural insight intoHelicobacter pyloriDNA replication initiation. Gut Microbes, 2010, 1, 330-334.	9.8	6
33	The role of Helicobacter pylori DnaA domain I in orisome assembly on a bipartite origin of chromosome replication. Molecular Microbiology, 2020, 113, 338-355.	2.5	5
34	Streptomycete origin of chromosomal replication with two putative unwinding elements. Microbiology (United Kingdom), 2019, 165, 1365-1375.	1.8	5
35	Recent Advances in Helicobacter pylori 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