# Jolanta Zakrzewska-CzerwiÅ„ska

List of Publications by Year
in descending order



| 50 | 1,456 | 304743 | 361022 |
|---|---|---|---|
| papers | citations | 22 h-index | 35 g-index |

| 54 | 54 | 54 | 1188 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | ARTICLE | IF | CITATIONS |
|---|---|---|---|
| 1 | Lsr2, a nucleoid-associated protein influencing mycobacterial cell cycle. Scientific Reports, 2021, 11, 2910. | 3.3 | 16 |
| 2 | Thiosemicarbazide Derivatives Decrease the ATPase Activity of Staphylococcus aureus Topoisomerase IV, Inhibit Mycobacterial Growth, and Affect Replication in Mycobacterium smegmatis. International Journal of Molecular Sciences, 2021, 22, 3881. | 4.1 | 8 |
| 3 | Genetic Engineering in Combination with Semiâ€Synthesis Leads to a New Route for Gramâ€Scale Production of the Immunosuppressive Natural Product Brasilicardinâ€...A. Angewandte Chemie - International Edition, 2021, 60, 13536-13541. | 13.8 | 12 |
| 4 | Lsr2 and Its Novel Paralogue Mediate the Adjustment of Mycobacterium smegmatis to Unfavorable Environmental Conditions. MSphere, 2021, 6, . | 2.9 | 10 |
| 5 | Genetic Engineering in Combination with Semiâ€Synthesis Leads to a New Route for Gramâ€Scale Production of the Immunosuppressive Natural Product Brasilicardinâ€...A. Angewandte Chemie, 2021, 133, 13648-13653. | 2.0 | 0 |
| 6 | Cholesterol-dependent transcriptome remodeling reveals new insight into the contribution of cholesterol to Mycobacterium tuberculosis pathogenesis. Scientific Reports, 2021, 11, 12396. | 3.3 | 23 |
| 7 | AdpA Positively Regulates Morphological Differentiation and Chloramphenicol Biosynthesis in Streptomyces venezuelae. Microbiology Spectrum, 2021, 9, e0198121. | 3.0 | 5 |
| 8 | Functional Disassociation Between the Protein Domains of MSMEG_4305 of Mycolicibacterium smegmatis (Mycobacterium smegmatis) in vivo. Frontiers in Microbiology, 2020, 11, 2008. | 3.5 | 8 |
| 9 | AfsK-Mediated Site-Specific Phosphorylation Regulates DnaA Initiator Protein Activity in Streptomyces coelicolor. Journal of Bacteriology, 2020, 202, . | 2.2 | 11 |
| 10 | Nucleoid Associated Proteins: The Small Organizers That Help to Cope With Stress. Frontiers in Microbiology, 2020, 11, 590. | 3.5 | 61 |
| 11 | Live-Cell Imaging of the Life Cycle of Bacterial Predator Bdellovibrio bacteriovorus using Time-Lapse Fluorescence Microscopy. Journal of Visualized Experiments, 2020, , . | 0.3 | 1 |
| 12 | Watching DNA Replication Inhibitors in Action: Exploiting Time-Lapse Microfluidic Microscopy as a Tool for Target-Drug Interaction Studies in Mycobacterium. Antimicrobial Agents and Chemotherapy, 2019, 63, . | 3.2 | 19 |
| 13 | Dynamics of Chromosome Replication and Its Relationship to Predatory Attack Lifestyles in Bdellovibrio bacteriovorus. Applied and Environmental Microbiology, 2019, 85, . | 3.1 | 19 |
| 14 | Competition between DivIVA and the nucleoid for ParA binding promotes segrosome separation and modulates mycobacterial cell elongation. Molecular Microbiology, 2019, 111, 204-220. | 2.5 | 14 |
| 15 | Streptomycete origin of chromosomal replication with two putative unwinding elements. Microbiology (United Kingdom), 2019, 165, 1365-1375. | 1.8 | 5 |
| 16 | The Origin of Chromosomal Replication Is Asymmetrically Positioned on the Mycobacterial Nucleoid, and the Timing of Its Firing Depends on HupB. Journal of Bacteriology, 2018, 200, . | 2.2 | 16 |
| 17 | Where and When Bacterial Chromosome Replication Starts: A Single Cell Perspective. Frontiers in Microbiology, 2018, 9, 2819. | 3.5 | 22 |
| 18 | Amsacrine Derivatives Selectively Inhibit Mycobacterial Topoisomerase I (TopA), Impair M. smegmatis Growth and Disturb Chromosome Replication. Frontiers in Microbiology, 2018, 9, 1592. | 3.5 | 24 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | 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 |
| 20 | Multifork chromosome replication in slow-growing bacteria. Scientific Reports, 2017, 7, 43836. | 3.3 | 27 |
| 21 | The studies of ParA and ParB dynamics reveal asymmetry of chromosome segregation in mycobacteria. Molecular Microbiology, 2017, 105, 453-468. | 2.5 | 28 |
| 22 | HupB Is a Bacterial Nucleoid-Associated Protein with an Indispensable Eukaryotic-Like Tail. MBio, 2017, 8, . | 4.1 | 47 |
| 23 | 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 |
| 24 | Initiation of Chromosomal Replication in Predatory Bacterium Bdellovibrio bacteriovorus. Frontiers in Microbiology, 2016, 7, 1898. | 3.5 | 25 |
| 25 | Unique Function of the Bacterial Chromosome Segregation Machinery in Apically Growing Streptomyces - Targeting the Chromosome to New Hyphal Tubes and its Anchorage at the Tips. PLoS Genetics, 2016, 12, e1006488. | 3.5 | 36 |
| 26 | High-Quality Draft Genome Sequence of the Actinobacterium Nocardia terpenica IFM 0406, Producer of the Immunosuppressant Brasilicardins, Using Illumina and PacBio Technologies. Genome Announcements, 2016, 4, . | 0.8 | 14 |
| 27 | The Coordinated Positive Regulation of Topoisomerase Genes Maintains Topological Homeostasis in Streptomyces coelicolor. Journal of Bacteriology, 2016, 198, 3016-3028. | 2.2 | 32 |
| 28 | ParA and ParB coordinate chromosome segregation with cell elongation and division during Streptomyces sporulation. Open Biology, 2016, 6, 150263. | 3.6 | 80 |
| 29 | Two transcription factors, CabA and CabR, are independently involved in multilevel regulation of the biosynthetic gene cluster encoding the novel aminocoumarin, cacibiocin. Applied Microbiology and Biotechnology, 2016, 100, 3147-3164. | 3.6 | 4 |
| 30 | Choreography of the Mycobacterium Replication Machinery during the Cell Cycle. MBio, 2015, 6, e02125-14. | 4.1 | 66 |
| 31 | Phosphorylation of Mycobacterium tuberculosis ParB Participates in Regulating the ParABS Chromosome Segregation System. PLoS ONE, 2015, 10, e0119907. | 2.5 | 23 |
| 32 | A highly processive topoisomerase I: studies at the single-molecule level. Nucleic Acids Research, 2014, 42, 7935-7946. | 14.5 | 31 |
| 33 | 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 |
| 34 | Fifty Years after the Replicon Hypothesis: Cell-Specific Master Regulators as New Players in Chromosome Replication Control. Journal of Bacteriology, 2014, 196, 2901-2911. | 2.2 | 18 |
| 35 | 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 |
| 36 | oriC-encoded instructions for the initiation of bacterial chromosome replication. Frontiers in Microbiology, 2014, 5, 735. | 3.5 | 95 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | <scp><scp>ParA</scp></scp> of <scp>M</scp>ycobacterium smegmatis coâ€ordinates chromosome segregation with the cell cycle and interacts with the polar growth determinant <scp><scp>DivIVA</scp></scp>. Molecular Microbiology, 2013, 87, 998-1012. | 2.5 | 88 |
| 38 | 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 |
| 39 | AdpA, key regulator for morphological differentiation regulates bacterial chromosome replication. Open Biology, 2012, 2, 120097. | 3.6 | 26 |
| 40 | 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 |
| 41 | Regulation of the initiation of chromosomal replication in bacteria. FEMS Microbiology Reviews, 2007, 31, 378-387. | 8.6 | 98 |
| 42 | A simplified method for purification of recombinant soluble DnaA proteins. Protein Expression and Purification, 2006, 48, 126-133. | 1.3 | 23 |
| 43 | Replisome Localization in Vegetative and Aerial Hyphae of Streptomyces coelicolor. Journal of Bacteriology, 2006, 188, 7311-7316. | 2.2 | 41 |
| 44 | Architecture of bacterial replication initiation complexes: orisomes from four unrelated bacteria. Biochemical Journal, 2005, 389, 471-481. | 3.7 | 53 |
| 45 | Sequence Recognition, Cooperative Interaction, and Dimerization of the Initiator Protein DnaA of Streptomyces. Journal of Biological Chemistry, 2001, 276, 6243-6252. | 3.4 | 25 |
| 46 | Initiation of the Streptomyces chromosome replication. Antonie Van Leeuwenhoek, 2000, 78, 211-221. | 1.7 | 7 |
| 47 | Architecture of the streptomyces lividans DnaA protein-replication origin complexes. Journal of Molecular Biology, 2000, 298, 351-364. | 4.2 | 34 |
| 48 | Interactions of theStreptomyces lividansinitiator protein DnaA with its target. FEBS Journal, 1999, 260, 325-335. | 0.2 | 33 |
| 49 | Glutathione S-transferase fusion proteins as an affinity reagent for rapid isolation of specific sequence directly from genomic DNA. Nucleic Acids Research, 1997, 25, 2537-2538. | 14.5 | 13 |
| 50 | Rapid detection of staphylococcus saprophytius using primer specific PCR. Acta Biologica Hungarica, 1997, 48, 319-322. | 0.7 | 4 |