

Godefroid Charbon

List of Publications by Year in descending order

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29
papers

1,042
citations

516710

16
h-index

526287

27
g-index

30
all docs

30
docs citations

30
times ranked

1265
citing authors

#	ARTICLE	IF	CITATIONS
1	The tubulin homologue FtsZ contributes to cell elongation by guiding cell wall precursor synthesis in <i>Caulobacter crescentus</i> . <i>Molecular Microbiology</i> , 2007, 64, 938-952.	2.5	203
2	Bacterial cell curvature through mechanical control of cell growth. <i>EMBO Journal</i> , 2009, 28, 1208-1219.	7.8	147
3	MreB Drives <i>De Novo</i> Rod Morphogenesis in <i>Caulobacter crescentus</i> via Remodeling of the Cell Wall. <i>Journal of Bacteriology</i> , 2010, 192, 1671-1684.	2.2	103
4	Bacterial intermediate filaments: in vivo assembly, organization, and dynamics of crescentin. <i>Genes and Development</i> , 2009, 23, 1131-1144.	5.9	71
5	Key Role of Ser562/661 in Snf1-Dependent Regulation of Cat8p in <i>Saccharomyces cerevisiae</i> and <i>Kluyveromyces lactis</i> . <i>Molecular and Cellular Biology</i> , 2004, 24, 4083-4091.	2.3	48
6	Oxidative DNA damage is instrumental in hyperreplication stress-induced inviability of <i>Escherichia coli</i> . <i>Nucleic Acids Research</i> , 2014, 42, 13228-13241.	14.5	47
7	Secretion of Alpha-Hemolysin by <i>Escherichia coli</i> Disrupts Tight Junctions in Ulcerative Colitis Patients. <i>Clinical and Translational Gastroenterology</i> , 2016, 7, e149.	2.5	45
8	Subcellular Protein Localization by Using a Genetically Encoded Fluorescent Amino Acid. <i>ChemBioChem</i> , 2011, 12, 1818-1821.	2.6	41
9	Multiple DNA Binding Proteins Contribute to Timing of Chromosome Replication in <i>E. coli</i> . <i>Frontiers in Molecular Biosciences</i> , 2016, 3, 29.	3.5	36
10	Chromosome replication as a measure of bacterial growth rate during <i>Escherichia coli</i> infection in the mouse peritonitis model. <i>Scientific Reports</i> , 2018, 8, 14961.	3.3	34
11	Suppressors of DnaA ^{ATP} imposed overinitiation in <i>Escherichia coli</i> . <i>Molecular Microbiology</i> , 2011, 79, 914-928.	2.5	33
12	Short-term kinetics of rRNA degradation in <i>Escherichia coli</i> upon starvation for carbon, amino acid or phosphate. <i>Molecular Microbiology</i> , 2020, 113, 951-963.	2.5	33
13	Bactericidal Antibiotics Increase Hydroxyphenyl Fluorescein Signal by Altering Cell Morphology. <i>PLoS ONE</i> , 2014, 9, e92231.	2.5	28
14	DNA Replication Control Is Linked to Genomic Positioning of Control Regions in <i>Escherichia coli</i> . <i>PLoS Genetics</i> , 2016, 12, e1006286.	3.5	27
15	Coping with Reactive Oxygen Species to Ensure Genome Stability in <i>Escherichia coli</i> . <i>Genes</i> , 2018, 9, 565.	2.4	25
16	Localization of GroEL determined by in vivo incorporation of a fluorescent amino acid. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 6067-6070.	2.2	22
17	Control regions for chromosome replication are conserved with respect to sequence and location among <i>Escherichia coli</i> strains. <i>Frontiers in Microbiology</i> , 2015, 6, 1011.	3.5	19
18	Re-wiring of energy metabolism promotes viability during hyperreplication stress in <i>E. coli</i> . <i>PLoS Genetics</i> , 2017, 13, e1006590.	3.5	18

#	ARTICLE	IF	CITATIONS
19	Activating the Cpx response induces tolerance to antisense PNA delivered by an arginine-rich peptide in <i>Escherichia coli</i> . <i>Molecular Therapy - Nucleic Acids</i> , 2021, 25, 444-454.	5.1	15
20	Countermeasures to survive excessive chromosome replication in <i>Escherichia coli</i> . <i>Current Genetics</i> , 2018, 64, 71-79.	1.7	13
21	A role for the weak DnaA binding sites in bacterial replication origins. <i>Molecular Microbiology</i> , 2011, 82, 272-274.	2.5	7
22	Control of bacterial chromosome replication by non-coding regions outside the origin. <i>Current Genetics</i> , 2017, 63, 607-611.	1.7	7
23	Energy Starvation Induces a Cell Cycle Arrest in <i>Escherichia coli</i> by Triggering Degradation of the DnaA Initiator Protein. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 629953.	3.5	6
24	Growth Rate of <i>Escherichia coli</i> During Human Urinary Tract Infection: Implications for Antibiotic Effect. <i>Antibiotics</i> , 2019, 8, 92.	3.7	5
25	Antisense inhibition of the <i>Escherichia coli</i> NrdAB aerobic ribonucleotide reductase is bactericidal due to induction of DNA strand breaks. <i>Journal of Antimicrobial Chemotherapy</i> , 2021, 76, 2802-2814.	3.0	4
26	Iron chelation increases the tolerance of <i>Escherichia coli</i> to hyper-replication stress. <i>Scientific Reports</i> , 2018, 8, 10550.	3.3	3
27	Arresting chromosome replication upon energy starvation in <i>Escherichia coli</i> . <i>Current Genetics</i> , 2021, 67, 877-882.	1.7	2
28	Determination of the Optimal Chromosomal Location(s) for a DNA Element in <i>Escherichia coli</i> Using a Novel Transposon-mediated Approach. <i>Journal of Visualized Experiments</i> , 2017, , .	0.3	0
29	Counting Replication Origins to Measure Growth of Pathogens. <i>Antibiotics</i> , 2020, 9, 239.	3.7	0