Godefroid Charbon

List of Publications by Year
in descending order

29	1,042	516710 16	526287 27
papers	citations	h-index	g-index

30	30	30	1265
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Energy Starvation Induces a Cell Cycle Arrest in Escherichia coli by Triggering Degradation of the DnaA Initiator Protein. Frontiers in Molecular Biosciences, 2021, 8, 629953.	3.5	6
2	Arresting chromosome replication upon energy starvation in Escherichia coli. Current Genetics, 2021, 67, 877-882.	1.7	2
3	Antisense inhibition of the Escherichia coli NrdAB aerobic ribonucleotide reductase is bactericidal due to induction of DNA strand breaks. Journal of Antimicrobial Chemotherapy, 2021, 76, 2802-2814.	3.0	4
4	Activating the Cpx response induces tolerance to antisense PNA delivered by an arginine-rich peptide in Escherichia coli. Molecular Therapy - Nucleic Acids, 2021, 25, 444-454.	5.1	15
5	Counting Replication Origins to Measure Growth of Pathogens. Antibiotics, 2020, 9, 239.	3.7	0
6	Shortâ€term kinetics of rRNA degradation in <i>Escherichia coli</i> upon starvation for carbon, amino acid or phosphate. Molecular Microbiology, 2020, 113, 951-963.	2.5	33
7	Growth Rate of Escherichia coli During Human Urinary Tract Infection: Implications for Antibiotic Effect. Antibiotics, 2019, 8, 92.	3.7	5
8	Countermeasures to survive excessive chromosome replication in Escherichia coli. Current Genetics, 2018, 64, 71-79.	1.7	13
9	Coping with Reactive Oxygen Species to Ensure Genome Stability in Escherichia coli. Genes, 2018, 9, 565.	2.4	25
10	Chromosome replication as a measure of bacterial growth rate during Escherichia coli infection in the mouse peritonitis model. Scientific Reports, 2018, 8, 14961.	3.3	34
11	Iron chelation increases the tolerance of Escherichia coli to hyper-replication stress. Scientific Reports, 2018, 8, 10550.	3.3	3
12	Control of bacterial chromosome replication by non-coding regions outside the origin. Current Genetics, 2017, 63, 607-611.	1.7	7
13	Determination of the Optimal Chromosomal Location(s) for a DNA Element in Escherichia coli Using a Novel Transposon-mediated Approach. Journal of Visualized Experiments, 2017, , .	0.3	0
14	Re-wiring of energy metabolism promotes viability during hyperreplication stress in E. coli. PLoS Genetics, 2017, 13, e1006590.	3.5	18
15	Multiple DNA Binding Proteins Contribute to Timing of Chromosome Replication in E. coli. Frontiers in Molecular Biosciences, 2016, 3, 29.	3.5	36
16	DNA Replication Control Is Linked to Genomic Positioning of Control Regions in Escherichia coli. PLoS Genetics, 2016, 12, e1006286.	3.5	27
17	Secretion of Alpha-Hemolysin by Escherichia coli Disrupts Tight Junctions in Ulcerative Colitis Patients. Clinical and Translational Gastroenterology, 2016, 7, e149.	2.5	45
18	Control regions for chromosome replication are conserved with respect to sequence and location among Escherichia coli strains. Frontiers in Microbiology, 2015, 6, 1011.	3.5	19

#	Article	IF	Citations
19	Bactericidal Antibiotics Increase Hydroxyphenyl Fluorescein Signal by Altering Cell Morphology. PLoS ONE, 2014, 9, e92231.	2.5	28
20	Oxidative DNA damage is instrumental in hyperreplication stress-induced inviability of Escherichia coli. Nucleic Acids Research, 2014, 42, 13228-13241.	14.5	47
21	Suppressors of DnaA^{ATP} imposed overinitiation in <i>Escherichia coli</i>. Molecular Microbiology, 2011, 79, 914-928.	2.5	33
22	A role for the weak DnaA binding sites in bacterial replication origins. Molecular Microbiology, 2011, 82, 272-274.	2.5	7
23	Localization of GroEL determined by in vivo incorporation of a fluorescent amino acid. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 6067-6070.	2.2	22
24	Subcellular Protein Localization by Using a Genetically Encoded Fluorescent Amino Acid. ChemBioChem, 2011, 12, 1818-1821.	2.6	41
25	MreB Drives <i>De N</i> <i>ovo</i> Rod Morphogenesis in <i>Caulobacter crescentus</i> via Remodeling of the Cell Wall. Journal of Bacteriology, 2010, 192, 1671-1684.	2.2	103
26	Bacterial intermediate filaments: in vivo assembly, organization, and dynamics of crescentin. Genes and Development, 2009, 23, 1131-1144.	5.9	71
27	Bacterial cell curvature through mechanical control of cell growth. EMBO Journal, 2009, 28, 1208-1219.	7.8	147
28	The tubulin homologue FtsZ contributes to cell elongation by guiding cell wall precursor synthesis in Caulobacter crescentus. Molecular Microbiology, 2007, 64, 938-952.	2.5	203
29	Key Role of Ser562/661 in Snf1-Dependent Regulation of Cat8p in Saccharomyces cerevisiae and Kluyveromyces lactis. Molecular and Cellular Biology, 2004, 24, 4083-4091.	2.3	48