Anders LÃ¸bner-Olesen

List of Publications by Year
in descending order

115 papers	6,253 citations	81743 39 h-index	74018 75 g-index
137 all docs	137 docs citations	137 times ranked	5054 citing authors

#	Article	IF	Citations
1	Translocation of non-lytic antimicrobial peptides and bacteria penetrating peptides across the inner membrane of the bacterial envelope. Current Genetics, 2022, 68, 83-90.	0.8	14
2	New Insights into the Antimicrobial Action of Cinnamaldehyde towards Escherichia coli and Its Effects on Intestinal Colonization of Mice. Biomolecules, 2021, 11, 302.	1.8	26
3	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.	1.6	6
4	Arresting chromosome replication upon energy starvation in Escherichia coli. Current Genetics, 2021, 67, 877-882.	0.8	2
5	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.	1.3	4
6	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.	2.3	15
7	The Role of Efflux Pumps in the Transition from Low-Level to Clinical Antibiotic Resistance. Antibiotics, 2020, 9, 855.	1.5	25
8	Bacterial Chromosome Replication and DNA Repair During the Stringent Response. Frontiers in Microbiology, 2020, 11, 582113.	1.5	6
9	Novel Cyclic Lipopeptide Antibiotics: Effects of Acyl Chain Length and Position. International Journal of Molecular Sciences, 2020, 21, 5829.	1.8	15
10	Counting Replication Origins to Measure Growth of Pathogens. Antibiotics, 2020, 9, 239.	1.5	0
11	Inhibition of <i>Escherichia coli</i> chromosome replication by rifampicin treatment or during the stringent response is overcome by de novo DnaA protein synthesis. Molecular Microbiology, 2020, 114, 906-919.	1.2	15
12	Analogues of a Cyclic Antimicrobial Peptide with a Flexible Linker Show Promising Activity against Pseudomonas aeruginosa and Staphylococcus aureus. Antibiotics, 2020, 9, 366.	1.5	11
13	Effects of Antibiotics on the Intestinal Microbiota of Mice. Antibiotics, 2020, 9, 191.	1.5	22
14	Antimicrobial and Antivirulence Action of Eugenia brejoensis Essential Oil in vitro and in vivo Invertebrate Models. Frontiers in Microbiology, 2020, 11, 424.	1.5	25
15	Growth Rate of Escherichia coli During Human Urinary Tract Infection: Implications for Antibiotic Effect. Antibiotics, 2019, 8, 92.	1.5	5
16	Escherichia coli belonging to ST131 rarely transfers bla_{ctx-m-15} to fecal Escherichia coli . Infection and Drug Resistance, 2019, Volume 12, 2429-2435.	1.1	5
17	Antibacterial mechanisms of GNâ€2 derived peptides and peptoids against <i>Escherichia coli</i>. Biopolymers, 2019, 110, e23275.	1.2	15
18	Efflux-Pump Upregulation: From Tolerance to High-level Antibiotic Resistance?. Trends in Microbiology, 2019, 27, 291-293.	3.5	24

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19	(p)ppGpp-mediated stress response induced by defects in outer membrane biogenesis and ATP production promotes survival in Escherichia coli. Scientific Reports, 2019, 9, 2934.	1.6	31
20	Schinus terebinthifolia leaf lectin (SteLL) has anti-infective action and modulates the response of Staphylococcus aureus-infected macrophages. Scientific Reports, 2019, 9, 18159.	1.6	16
21	Structure-Activity Study of an All-d Antimicrobial Octapeptide D2D. Molecules, 2019, 24, 4571.	1.7	3
22	Comparative Activity of Ceftriaxone, Ciprofloxacin, and Gentamicin as a Function of Bacterial Growth Rate Probed by Escherichia coli Chromosome Replication in the Mouse Peritonitis Model. Antimicrobial Agents and Chemotherapy, 2019, 63, .	1.4	16
23	A Novel Fluorescence-Based Screen for Inhibitors of the Initiation of DNA Replication in Bacteria. Current Drug Discovery Technologies, 2019, 16, 272-277.	0.6	4
24	Expanding the potential of NAI-107 for treating serious ESKAPE pathogens: synergistic combinations against Gram-negatives and bactericidal activity against non-dividing cells. Journal of Antimicrobial Chemotherapy, 2018, 73, 414-424.	1.3	30
25	Countermeasures to survive excessive chromosome replication in Escherichia coli. Current Genetics, 2018, 64, 71-79.	0.8	13
26	Coping with Reactive Oxygen Species to Ensure Genome Stability in Escherichia coli. Genes, 2018, 9, 565.	1.0	25
27	Chromosome replication as a measure of bacterial growth rate during Escherichia coli infection in the mouse peritonitis model. Scientific Reports, 2018, 8, 14961.	1.6	34
28	HipA-Mediated Phosphorylation of SeqA Does not Affect Replication Initiation in Escherichia coli. Frontiers in Microbiology, 2018, 9, 2637.	1.5	2
29	Iron chelation increases the tolerance of Escherichia coli to hyper-replication stress. Scientific Reports, 2018, 8, 10550.	1.6	3
30	LLâ€37 fragments have antimicrobial activity against <scp><i>Staphylococcus epidermidis</i></scp> biofilms and wound healing potential in HaCaT cell line. Journal of Peptide Science, 2018, 24, e3080.	0.8	38
31	DNA Damage Repair and Drug Efflux as Potential Targets for Reversing Low or Intermediate Ciprofloxacin Resistance in E. coli K-12. Frontiers in Microbiology, 2018, 9, 1438.	1.5	17
32	Ciprofloxacin intercalated in fluorohectorite clay: identical pure drug activity and toxicity with higher adsorption and controlled release rate. RSC Advances, 2017, 7, 26537-26545.	1.7	38
33	Control of bacterial chromosome replication by non-coding regions outside the origin. Current Genetics, 2017, 63, 607-611.	0.8	7
34	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, , .	0.2	0
35	Re-wiring of energy metabolism promotes viability during hyperreplication stress in E. coli. PLoS Genetics, 2017, 13, e1006590.	1.5	18
36	Multiple DNA Binding Proteins Contribute to Timing of Chromosome Replication in E. coli. Frontiers in Molecular Biosciences, 2016, 3, 29.	1.6	36

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37	DNA Replication Control Is Linked to Genomic Positioning of Control Regions in Escherichia coli. PLoS Genetics, 2016, 12, e1006286.	1.5	27
38	Modulation of Backbone Flexibility for Effective Dissociation of Antibacterial and Hemolytic Activity in Cyclic Peptides. ACS Medicinal Chemistry Letters, 2016, 7, 741-745.	1.3	8
39	â€œPopulation structure of Drug-Susceptible, -Resistant and ESBL-producing Escherichia coli from Community-Acquired Urinary Tract Infectionsâ€ BMC Microbiology, 2016, 16, 63.	1.3	55
40	The Lantibiotic NAI-107 Efficiently Rescues Drosophila melanogaster from Infection with Methicillin-Resistant Staphylococcus aureus USA300. Antimicrobial Agents and Chemotherapy, 2016, 60, 5427-5436.	1.4	18
41	Epidemiological factors associated with ESBL- and non ESBL-producing<i>E. coli</i>causing urinary tract infection in general practice. Infectious Diseases, 2016, 48, 241-245.	1.4	33
42	An Amphipathic Undecapeptide with All <scp>d</scp> -Amino Acids Shows Promising Activity against Colistin-Resistant Strains of Acinetobacter baumannii and a Dual Mode of Action. Antimicrobial Agents and Chemotherapy, 2016, 60, 592-599.	1.4	34
43	Sinapic acid as inhibitor of the SOS response in Escherichia coli induced by ciprofloxacin. Planta Medica, 2016, 81, S1-S381.	0.7	0
44	New insights into anti-S. aureus action of Buchenavia tetraphylla and Libidibia ferrea: inhibition of DNA replication. Planta Medica, 2016, 81, S1-S381.	0.7	0
45	Control regions for chromosome replication are conserved with respect to sequence and location among Escherichia coli strains. Frontiers in Microbiology, 2015, 6, 1011.	1.5	19
46	DNA Methylation. EcoSal Plus, 2014, 6, .	2.1	84
47	Bactericidal Antibiotics Increase Hydroxyphenyl Fluorescein Signal by Altering Cell Morphology. PLoS ONE, 2014, 9, e92231.	1.1	28
48	Antibiotic Selection of Escherichia coli Sequence Type 131 in a Mouse Intestinal Colonization Model. Antimicrobial Agents and Chemotherapy, 2014, 58, 6139-6144.	1.4	24
49	Oxidative DNA damage is instrumental in hyperreplication stress-induced inviability of Escherichia coli. Nucleic Acids Research, 2014, 42, 13228-13241.	6.5	47
50	The Alkaloid Compound Harmane Increases the Lifespan of Caenorhabditis elegans during Bacterial Infection, by Modulating the Nematodeâ€™s Innate Immune Response. PLoS ONE, 2013, 8, e60519.	1.1	23
51	Cyclic Peptide Inhibitors of the Î²-Sliding Clamp in Staphylococcus aureus. PLoS ONE, 2013, 8, e72273.	1.1	18
52	Hyperactive antifreeze proteins from longhorn beetles: Some structural insights. Journal of Insect Physiology, 2012, 58, 1502-1510.	0.9	37
53	Lack of the RNA chaperone Hfq attenuates pathogenicity of several Escherichia coli pathotypes towards Caenorhabditis elegans. Microbes and Infection, 2012, 14, 1034-1039.	1.0	11
54	rctB mutations that increase copy number of Vibrio cholerae oriCII in Escherichia coli. Plasmid, 2012, 68, 159-169.	0.4	16

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55	Suppressors of DnaA^{ATP} imposed overinitiation in <i>Escherichia coli</i>. Molecular Microbiology, 2011, 79, 914-928.	1.2	33
56	A role for the weak DnaA binding sites in bacterial replication origins. Molecular Microbiology, 2011, 82, 272-274.	1.2	7
57	Subcellular Protein Localization by Using a Genetically Encoded Fluorescent Amino Acid. ChemBioChem, 2011, 12, 1818-1821.	1.3	41
58	Genome-wide detection of chromosomal rearrangements, indels, and mutations in circular chromosomes by short read sequencing. Genome Research, 2011, 21, 1388-1393.	2.4	79
59	Replication of<i>Vibrio cholerae</i>Chromosome I in<i>Escherichia coli</i>: Dependence on Dam Methylation. Journal of Bacteriology, 2010, 192, 3903-3914.	1.0	25
60	Loss of Hda activity stimulates replication initiation from Iâ€box, but not R4 mutant origins in <i>Escherichia coli</i>. Molecular Microbiology, 2009, 71, 107-122.	1.2	48
61	A phosphoproteomics approach to elucidate neuropeptide signal transduction controlling insect metamorphosis. Insect Biochemistry and Molecular Biology, 2009, 39, 475-483.	1.2	70
62	DNA Methylation. EcoSal Plus, 2009, 3, .	2.1	6
63	Once in a lifetime: strategies for preventing reâ€replication in prokaryotic and eukaryotic cells. EMBO Reports, 2008, 9, 151-156.	2.0	41
64	Dam Methyltransferase Is Required for Stable Lysogeny of the Shiga Toxin (Stx2)-Encoding Bacteriophage 933W of Enterohemorrhagic <i>Escherichia coli</i> O157:H7. Journal of Bacteriology, 2008, 190, 438-441.	1.0	45
65	DnaC Inactivation in Escherichia coli K-12 Induces the SOS Response and Expression of Nucleotide Biosynthesis Genes. PLoS ONE, 2008, 3, e2984.	1.1	9
66	Increased adherence and actin pedestal formation by dam-deficient enterohaemorrhagic Escherichia coli O157:H7. Molecular Microbiology, 2007, 63, 1468-1481.	1.2	53
67	Marine invertebrate cytochrome P450: Emerging insights from vertebrate and insect analogies. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2006, 143, 363-381.	1.3	93
68	Hda-mediated inactivation of the DnaA protein and dnaA gene autoregulation act in concert to ensure homeostatic maintenance of the Escherichia coli chromosome. Genes and Development, 2006, 20, 2121-2134.	2.7	76
69	Actin homolog MreB and RNA polymerase interact and are both required for chromosome segregation in Escherichia coli. Genes and Development, 2006, 20, 113-124.	2.7	115
70	Independent Control of Replication Initiation of the Two Vibrio cholerae Chromosomes by DnaA and RctB. Journal of Bacteriology, 2006, 188, 6419-6424.	1.0	72
71	Prokaryotic toxinâ€“antitoxin stress response loci. Nature Reviews Microbiology, 2005, 3, 371-382.	13.6	950
72	Reduced initiation frequency from oriC restores viability of a temperature-sensitive Escherichia coli replisome mutant. Microbiology (United Kingdom), 2005, 151, 963-973.	0.7	12

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73	Coordinated Replication and Sequestration of oriC and dnaA Are Required for Maintaining Controlled Once-per-Cell-Cycle Initiation in Escherichia coli. Journal of Bacteriology, 2005, 187, 5605-5613.	1.0	35
74	Dam methylation: coordinating cellular processes. Current Opinion in Microbiology, 2005, 8, 154-160.	2.3	214
75	Host controlled plasmid replication: Escherichia coli minichromosomes. Plasmid, 2004, 52, 151-168.	0.4	36
76	Synchronous replication initiation of the two Vibrio cholerae chromosomes. Current Biology, 2004, 14, R501-R502.	1.8	53
77	Stable co-existence of separate replicons in Escherichia coli is dependent on once-per-cell-cycle initiation. EMBO Journal, 2003, 22, 140-150.	3.5	30
78	Titration of the Escherichia coli DnaA protein to excess datA sites causes destabilization of replication forks, delayed replication initiation and delayed cell division. Molecular Microbiology, 2003, 50, 349-362.	1.2	59
79	Dysfunctional MreB inhibits chromosome segregation in Escherichia coli. EMBO Journal, 2003, 22, 5283-5292.	3.5	249
80	Role of SeqA and Dam in Escherichia coli gene expression: A global/microarray analysis. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 4672-4677.	3.3	127
81	The Escherichia coli SeqA protein destabilizes mutant DnaA204 protein. Molecular Microbiology, 2002, 37, 629-638.	1.2	78
82	Regulation of chromosomal replication by DnaA protein availability in Escherichia coli: effects of the datA region. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 2001, 1521, 73-80.	2.4	46
83	The LipB protein is a negative regulator of dam gene expression in Escherichia coli. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 2000, 1494, 43-53.	2.4	14
84	Limiting DNA replication to once and only once. EMBO Reports, 2000, 1, 479-483.	2.0	145
85	The eclipse period of Escherichia coli. EMBO Journal, 2000, 19, 6240-6248.	3.5	79
86	Distribution of minichromosomes in individual Escherichia coli cells: implications for replication control. EMBO Journal, 1999, 18, 1712-1721.	3.5	71
87	The gene for 2-phosphoglycolate phosphatase (gph) in Escherichia coli is located in the same operon as dam and at least five other diverse genes. Biochimica Et Biophysica Acta - General Subjects, 1999, 1472, 376-384.	1.1	18
88	Chromosomal replication incompatibility in Dam methyltransferase deficient Escherichia coli cells.. EMBO Journal, 1996, 15, 5999-6008.	3.5	41
89	Chromosomal replication incompatibility in Dam methyltransferase deficient Escherichia coli cells. EMBO Journal, 1996, 15, 5999-6008.	3.5	37
90	Characterization of three genes in the dam-containing operon of Escherichia coli. Molecular Genetics and Genomics, 1995, 247, 546-554.	2.4	68

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91	Growth-rate-dependent transcription initiation from the dam P2 promoter. Gene, 1995, 157, 213-215.	1.0	19
92	The initiation cascade for chromosome replication in wild-type and Dam methyltransferase deficient Escherichia coli cells.. EMBO Journal, 1994, 13, 1856-1862.	3.5	59
93	Cell Cycle Control: Prokaryotic Solutions to Eukaryotic Problems?. Journal of Theoretical Biology, 1994, 168, 227-230.	0.8	27
94	Novel growth rate control of dam gene expression in Escherichia coli. Molecular Microbiology, 1994, 12, 631-638.	1.2	26
95	The initiation cascade for chromosome replication in wild-type and Dam methyltransferase deficient Escherichia coli cells. EMBO Journal, 1994, 13, 1856-62.	3.5	31
96	Regulation of DNA Replication in Escherichia coli. , 1993, , 15-26.		20
97	Different effects ofmioCtranscription on initiation of chromosomal and minichromosomal replication inEscherichia coli. Nucleic Acids Research, 1992, 20, 3029-3036.	6.5	44
98	Quantitation of Dam methyltransferase in Escherichia coli. Journal of Bacteriology, 1992, 174, 1682-1685.	1.0	91
99	Identification of the gene (aroK) encoding shikimic acid kinase I of Escherichia coli. Journal of Bacteriology, 1992, 174, 525-529.	1.0	58
100	Chromosome partitioning in Escherichia coli. Journal of Bacteriology, 1992, 174, 7883-7889.	1.0	41
101	Expression of the Escherichia coli dam gene. Molecular Microbiology, 1992, 6, 1841-1851.	1.2	55
102	Bacterial growth control studied by flow cytometry. Research in Microbiology, 1991, 142, 131-135.	1.0	117
103	Crosslinking of Dam methyltransferase withS-adenosyl-methionine. FEBS Letters, 1991, 280, 147-151.	1.3	15
104	Analysis of Escherichia coli Mutants with Altered DNA Content. Cold Spring Harbor Symposia on Quantitative Biology, 1991, 56, 353-358.	2.0	5
105	Escherichia coli minichromosomes: Random segregation and absence of copy number control. Journal of Molecular Biology, 1990, 215, 257-265.	2.0	35
106	The role of dam methyltransferase in the control of DNA replication in E. coli. Cell, 1990, 62, 981-989.	13.5	215
107	Initiation of DNA replication in Escherichia coli after overproduction of the DnaA protein. Molecular Genetics and Genomics, 1989, 218, 50-56.	2.4	83
108	The DnaA protein determines the initiation mass of Escherichia coli K-12. Cell, 1989, 57, 881-889.	13.5	313

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109	Translational control and differential RNA decay are key elements regulating postsegregational expression of the killer protein encoded by the parB locus of plasmid R1. Journal of Molecular Biology, 1988, 203, 119-129.	2.0	71
110	Timing of chromosomal replication in Escherichia coli. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1988, 951, 359-364.	2.4	63
111	Stability and replication control of Escherichia coli minichromosomes. Journal of Bacteriology, 1987, 169, 2835-2842.	1.0	108
112	Overproduction of DnaA protein stimulates initiation of chromosome and minichromosome replication in Escherichia coli. Molecular Genetics and Genomics, 1987, 206, 51-59.	2.4	134
113	Mechanism of postsegregational killing by the hok gene product of the parB system of plasmid R1 and its homology with the relF gene product of the E. coli relB operon.. EMBO Journal, 1986, 5, 2023-2029.	3.5	260
114	Mechanism of postsegregational killing by the hok gene product of the parB system of plasmid R1 and its homology with the relF gene product of the E. coli relB operon. EMBO Journal, 1986, 5, 2023-9.	3.5	123
115	Effects of LPS Composition in Escherichia coli on Antibacterial Activity and Bacterial Uptake of Antisense Peptide-PNA Conjugates. Frontiers in Microbiology, 0, 13, .	1.5	7