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List of Publications by Year in descending order

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61
papers

5,359
citations

117625

34
h-index

144013

57
g-index

100
all docs

100
docs citations

100
times ranked

3540
citing authors

#	ARTICLE	IF	CITATIONS
1	Homologs of the Escherichia coli F Element Protein TraR, Including Phage Lambda Orf73, Directly Reprogram Host Transcription. MBio, 2022, 13, e0095222.	4.1	4
2	Rhodobacter sphaeroides CarD Negatively Regulates Its Own Promoter. Journal of Bacteriology, 2021, 203, e0021021.	2.2	6
3	Guanosine Tetraphosphate Has a Similar Affinity for Each of Its Two Binding Sites on Escherichia coli RNA Polymerase. Frontiers in Microbiology, 2020, 11, 587098.	3.5	8
4	A majority of <i>Rhodobacter sphaeroides</i> promoters lack a crucial RNA polymerase recognition feature, enabling coordinated transcription activation. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 29658-29668.	7.1	14
5	Reverse engineering of fatty acid-tolerant Escherichia coli identifies design strategies for robust microbial cell factories. Metabolic Engineering, 2020, 61, 120-130.	7.0	23
6	Stepwise Promoter Melting by Bacterial RNA Polymerase. Molecular Cell, 2020, 78, 275-288.e6.	9.7	88
7	Deciphering the RNA capping process in bacteria. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 4445-4446.	7.1	1
8	Structural basis for transcription activation by Crl through tethering of σ^S and RNA polymerase. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 18923-18927.	7.1	21
9	Genome-wide effects on <i>Escherichia coli</i> transcription from ppGpp binding to its two sites on RNA polymerase. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 8310-8319.	7.1	189
10	E. coli TraR allosterically regulates transcription initiation by altering RNA polymerase conformation. ELife, 2019, 8, .	6.0	55
11	DksA and ppGpp Regulate the σ^S Stress Response by Activating Promoters for the Small RNA DsrA and the Anti-Adapter Protein IraP. Journal of Bacteriology, 2018, 200, .	2.2	49
12	Transcriptional Responses to ppGpp and DksA. Annual Review of Microbiology, 2018, 72, 163-184.	7.3	175
13	Linking glucose metabolism to the stringent response through the PTS. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 7454-7455.	7.1	0
14	Classic Spotlight: Selected Highlights from the First 100 Years of the <i>Journal of Bacteriology</i> . Journal of Bacteriology, 2017, 199, .	2.2	0
15	Open complex DNA scrunching: A key to transcription start site selection and promoter escape. BioEssays, 2017, 39, 1600193.	2.5	18
16	Dissection of the molecular circuitry controlling virulence in <i>Francisella tularensis</i> . Genes and Development, 2017, 31, 1549-1560.	5.9	39
17	Roles of Transcriptional and Translational Control Mechanisms in Regulation of Ribosomal Protein Synthesis in Escherichia coli. Journal of Bacteriology, 2017, 199, .	2.2	44
18	TraR directly regulates transcription initiation by mimicking the combined effects of the global regulators DksA and ppGpp. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E5539-E5548.	7.1	33

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19	Classic Spotlight: Visualization of Bacterial Genes in Action. Journal of Bacteriology, 2016, 198, 1554-1554.	2.2	0
20	Classic Spotlight: Studies of the Stringent Response. Journal of Bacteriology, 2016, 198, 1710-1710.	2.2	0
21	Coexpression of Escherichia coli obgE, Encoding the Evolutionarily Conserved Obg GTPase, with Ribosomal Proteins L21 and L27. Journal of Bacteriology, 2016, 198, 1857-1867.	2.2	5
22	Classic Spotlight: the Heat Shock Response and the Discovery of Alternative Sigma Factors in Escherichia coli. Journal of Bacteriology, 2016, 198, 2550-2550.	2.2	1
23	Colocalization of distant chromosomal loci in space in <i>E. coli</i> : a bacterial nucleolus. Genes and Development, 2016, 30, 2272-2285.	5.9	51
24	ppGpp Binding to a Site at the RNAP-DksA Interface Accounts for Its Dramatic Effects on Transcription Initiation during the Stringent Response. Molecular Cell, 2016, 62, 811-823.	9.7	231
25	Open complex scrunching before nucleotide addition accounts for the unusual transcription start site of <i>E. coli</i> ribosomal RNA promoters. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E1787-95.	7.1	49
26	Multiplexed protein-DNA cross-linking: Scrunching in transcription start site selection. Science, 2016, 351, 1090-1093.	12.6	62
27	In vitro evidence that RNA Polymerase acetylation and acetyl phosphate-dependent CpxR phosphorylation affect cpxP transcription regulation. FEMS Microbiology Letters, 2016, 363, fnw011.	1.8	7
28	Crosslink Mapping at Amino Acid-Base Resolution Reveals the Path of Scrunched DNA in Initial Transcribing Complexes. Molecular Cell, 2015, 59, 768-780.	9.7	51
29	Structures of the RNA polymerase- σ^{54} reveal new and conserved regulatory strategies. Science, 2015, 349, 882-885.	12.6	77
30	Activation of the σ^E -Dependent Stress Pathway by Conjugative TraR May Anticipate Conjugational Stress. Journal of Bacteriology, 2015, 197, 924-931.	2.2	14
31	Strategies from UW-Madison for rescuing biomedical research in the US. ELife, 2015, 4, e09305.	6.0	30
32	A Rhodobacter sphaeroides Protein Mechanistically Similar to Escherichia coli DksA Regulates Photosynthetic Growth. MBio, 2014, 5, e01105-14.	4.1	16
33	Structure of the RNA Polymerase Assembly Factor Crl and Identification of Its Interaction Surface with Sigma S. Journal of Bacteriology, 2014, 196, 3279-3288.	2.2	14
34	The Magic Spot: A ppGpp Binding Site on E. coli RNA Polymerase Responsible for Regulation of Transcription Initiation. Molecular Cell, 2013, 50, 420-429.	9.7	239
35	Key features of σ^S required for specific recognition by Crl, a transcription factor promoting assembly of RNA polymerase holoenzyme. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 15955-15960.	7.1	34
36	Direct interactions between the coiled-coil tip of DksA and the trigger loop of RNA polymerase mediate transcriptional regulation. Genes and Development, 2012, 26, 2634-2646.	5.9	74

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37	Role of the Coiled-Coil Tip of Escherichia coli DksA in Promoter Control. Journal of Molecular Biology, 2012, 416, 503-517.	4.2	44
38	CoSMoS Unravels Mysteries of Transcription Initiation. Cell, 2012, 148, 635-637.	28.9	9
39	Direct regulation of <i>Escherichia coli</i> ribosomal protein promoters by the transcription factors ppGpp and DksA. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 5712-5717.	7.1	133
40	Escherichia coli DksA Binds to Free RNA Polymerase with Higher Affinity than to RNA Polymerase in an Open Complex. Journal of Bacteriology, 2009, 191, 5854-5858.	2.2	29
41	Allosteric control of <i>Escherichia coli</i> rRNA promoter complexes by DksA. Genes and Development, 2009, 23, 236-248.	5.9	129
42	Super DksAs: substitutions in DksA enhancing its effects on transcription initiation. EMBO Journal, 2009, 28, 1720-1731.	7.8	38
43	Analysis of RNA polymerase-promoter complex formation. Methods, 2009, 47, 13-24.	3.8	57
44	Advances in bacterial promoter recognition and its control by factors that do not bind DNA. Nature Reviews Microbiology, 2008, 6, 507-519.	28.6	264
45	ppGpp and DksA likely regulate the activity of the extracytoplasmic stress factor σ^{E} in <i>Escherichia coli</i> by both direct and indirect mechanisms. Molecular Microbiology, 2008, 67, 619-632.	2.5	116
46	Crystal Structure of Escherichia coli Rnk, a New RNA Polymerase-Interacting Protein. Journal of Molecular Biology, 2008, 383, 367-379.	4.2	33
47	Magic Spots Cast a Spell on DNA Primase. Cell, 2007, 128, 823-824.	28.9	12
48	Effects of DksA, GreA, and GreB on Transcription Initiation: Insights into the Mechanisms of Factors that Bind in the Secondary Channel of RNA Polymerase. Journal of Molecular Biology, 2007, 366, 1243-1257.	4.2	112
49	General Pathway for Turning on Promoters Transcribed by RNA Polymerases Containing Alternative σ Factors. Journal of Bacteriology, 2006, 188, 4589-4591.	2.2	47
50	Crl Facilitates RNA Polymerase Holoenzyme Formation. Journal of Bacteriology, 2006, 188, 7966-7970.	2.2	45
51	DksA potentiates direct activation of amino acid promoters by ppGpp. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 7823-7828.	7.1	296
52	Relationship between Growth Rate and ATP Concentration in Escherichia coli. Journal of Biological Chemistry, 2004, 279, 8262-8268.	3.4	163
53	Unique roles of the rrn P2 rRNA promoters in Escherichia coli. Molecular Microbiology, 2004, 52, 1375-1387.	2.5	29
54	DksA. Cell, 2004, 118, 311-322.	28.9	444

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55	rRNA Transcription in <i>Escherichia coli</i> . <i>Annual Review of Genetics</i> , 2004, 38, 749-770.	7.6	310
56	Control of rRNA Expression by Small Molecules Is Dynamic and Nonredundant. <i>Molecular Cell</i> , 2003, 12, 125-134.	9.7	185
57	Mechanism of regulation of transcription initiation by ppGpp. I. Effects of ppGpp on transcription initiation in vivo and in vitro. <i>Journal of Molecular Biology</i> , 2001, 305, 673-688.	4.2	315
58	Promoter recognition and discrimination by σ S RNA polymerase. <i>Molecular Microbiology</i> , 2001, 42, 939-954.	2.5	160
59	Mutational Analysis of the <i>Chlamydia trachomatis</i> rRNA P1 Promoter Defines Four Regions Important for Transcription In Vitro. <i>Journal of Bacteriology</i> , 1998, 180, 2359-2366.	2.2	37
60	Transcription Regulation by Initiating NTP Concentration: rRNA Synthesis in Bacteria. <i>Science</i> , 1997, 278, 2092-2097.	12.6	377
61	rRNA TRANSCRIPTION AND GROWTH RATE-DEPENDENT REGULATION OF RIBOSOME SYNTHESIS IN <i>ESCHERICHIA COLI</i> . <i>Annual Review of Microbiology</i> , 1996, 50, 645-677.	7.3	253