Konstantin Severinov

List of Publications by Year
in descending order

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		41323	20343
141 papers	14,958 citations	49 h-index	116 g-index
151 all docs	151 docs citations	151 times ranked	11223 citing authors

#	Article	IF	Citations
1	Ribosomally synthesized and post-translationally modified peptide natural products: overview and recommendations for a universal nomenclature. Natural Product Reports, 2013, 30, 108-160.	5.2	1,692
2	C2c2 is a single-component programmable RNA-guided RNA-targeting CRISPR effector. Science, 2016, 353, aaf5573.	6.0	1,647
3	Discovery and Functional Characterization of Diverse Class 2 CRISPR-Cas Systems. Molecular Cell, 2015, 60, 385-397.	4.5	971
4	Diversity and evolution of class 2 CRISPRâ€“Cas systems. Nature Reviews Microbiology, 2017, 15, 169-182.	13.6	792
5	Crystal Structure of Thermus aquaticus Core RNA Polymerase at 3.3 Ã… Resolution. Cell, 1999, 98, 811-824.	13.5	766
6	Multiplex gene editing by CRISPRâ€“Cpf1 using a single crRNA array. Nature Biotechnology, 2017, 35, 31-34.	9.4	736
7	Interference by clustered regularly interspaced short palindromic repeat (CRISPR) RNA is governed by a seed sequence. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 10098-10103.	3.3	665
8	Molecular memory of prior infections activates the CRISPR/Cas adaptive bacterial immunity system. Nature Communications, 2012, 3, 945.	5.8	490
9	CRISPR Immunity Relies on the Consecutive Binding and Degradation of Negatively Supercoiled Invader DNA by Cascade and Cas3. Molecular Cell, 2012, 46, 595-605.	4.5	475
10	New developments in RiPP discovery, enzymology and engineering. Natural Product Reports, 2021, 38, 130-239.	5.2	412
11	Genome-Wide Identification of Regulatory RNAs in the Human Pathogen Clostridium difficile. PLoS Genetics, 2013, 9, e1003493.	1.5	239
12	Structure of Microcin J25, a Peptide Inhibitor of Bacterial RNA Polymerase, is a Lassoed Tail. Journal of the American Chemical Society, 2003, 125, 12475-12483.	6.6	227
13	Transcription, processing and function of CRISPR cassettes in <i>Escherichia coli</i>. Molecular Microbiology, 2010, 77, 1367-1379.	1.2	203
14	Type I-E CRISPR-Cas Systems Discriminate Target from Non-Target DNA through Base Pairing-Independent PAM Recognition. PLoS Genetics, 2013, 9, e1003742.	1.5	187
15	Expressed Protein Ligation, a Novel Method for Studying Protein-Protein Interactions in Transcription. Journal of Biological Chemistry, 1998, 273, 16205-16209.	1.6	178
16	A Role for Interaction of the RNA Polymerase Flap Domain with the sigma Subunit in Promoter Recognition. Science, 2002, 295, 855-857.	6.0	169
17	Molecular Mechanism of Transcription Inhibition by Peptide Antibiotic Microcin J25. Molecular Cell, 2004, 14, 753-762.	4.5	165
18	Structural, functional, and genetic analysis of sorangicin inhibition of bacterial RNA polymerase. EMBO Journal, 2005, 24, 674-682.	3.5	137

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19	Aspartyl-tRNA Synthetase Is the Target of Peptide Nucleotide Antibiotic Microcin C. Journal of Biological Chemistry, 2006, 281, 18033-18042.	1.6	137
20	Mutations of Bacterial RNA Polymerase Leading to Resistance to Microcin J25. Journal of Biological Chemistry, 2002, 277, 50867-50875.	1.6	134
21	Domain Organization of theEscherichia coliRNA Polymerase Ïƒ70Subunit. Journal of Molecular Biology, 1996, 263, 637-647.	2.0	133
22	Lowâ€molecularâ€weight postâ€translationally modified microcins. Molecular Microbiology, 2007, 65, 1380-1394.	1.2	132
23	<i>Modus operandi</i> of the bacterial RNA polymerase containing the Ïƒ⁵⁴ promoterâ€specificity factor. Molecular Microbiology, 2008, 68, 538-546.	1.2	118
24	Systematic Structure-Activity Analysis of Microcin J25. Journal of Biological Chemistry, 2008, 283, 25589-25595.	1.6	112
25	BREX system of<i>Escherichia coli</i>distinguishes self from non-self by methylation of a specific DNA site. Nucleic Acids Research, 2019, 47, 253-265.	6.5	105
26	High-throughput analysis of type I-E CRISPR/Cas spacer acquisition in<i>E. coli</i>. RNA Biology, 2013, 10, 716-725.	1.5	98
27	CRISPR interference and priming varies with individual spacer sequences. Nucleic Acids Research, 2015, 43, 10831-10847.	6.5	95
28	Inhibition of Escherichia coli RNA polymerase by bacteriophage T4 AsiA 1 1Edited by E. Ebright. Journal of Molecular Biology, 1998, 279, 9-18.	2.0	88
29	Foreign DNA acquisition by the I-FÂCRISPRâ€“Cas system requires all components of the interference machinery. Nucleic Acids Research, 2015, 43, 10848-10860.	6.5	88
30	Highly efficient primed spacer acquisition from targets destroyed by the <i>Escherichia coli</i> type I-E CRISPR-Cas interfering complex. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 7626-7631.	3.3	83
31	The interaction between Â70 and the Â-flap of Escherichia coli RNA polymerase inhibits extension of nascent RNA during early elongation. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 4488-4493.	3.3	82
32	The Antibacterial Threaded-lasso Peptide Capistruin Inhibits Bacterial RNA Polymerase. Journal of Molecular Biology, 2011, 412, 842-848.	2.0	82
33	Histidine-tagged RNA polymerase of Escherichia coli and transcription in solid phase. Methods in Enzymology, 1996, 274, 326-334.	0.4	79
34	Structure, Bioactivity, and Resistance Mechanism of Streptomonomicin, an Unusual Lasso Peptide from an Understudied Halophilic Actinomycete. Chemistry and Biology, 2015, 22, 241-250.	6.2	78
35	Bacteriophage-Induced Modifications of Host RNA Polymerase. Annual Review of Microbiology, 2003, 57, 301-322.	2.9	76
36	Analysis of Promoter Targets for<i>Escherichia coli</i>Transcription Elongation Factor GreA In Vivo and In Vitro. Journal of Bacteriology, 2007, 189, 8772-8785.	1.0	73

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37	Analysis of CRISPR system function in plant pathogen<i>Xanthomonas oryzae</i>. FEMS Microbiology Letters, 2009, 296, 110-116.	0.7	73
38	Kinetics of the CRISPR-Cas9 effector complex assembly and the role of 3â€²-terminal segment of guide RNA. Nucleic Acids Research, 2016, 44, 2837-2845.	6.5	71
39	Role of the RNA polymerase sigma subunit in transcription initiation. Research in Microbiology, 2002, 153, 557-562.	1.0	68
40	RifR mutations in the beginning of the Escherichia coli rpoB gene. Molecular Genetics and Genomics, 1994, 244, 120-126.	2.4	65
41	Pervasive generation of oppositely oriented spacers during CRISPR adaptation. Nucleic Acids Research, 2014, 42, 5907-5916.	6.5	65
42	The action of<i>Escherichia coli</i>CRISPRâ€"Cas system on lytic bacteriophages with different lifestyles and development strategies. Nucleic Acids Research, 2017, 45, gkx042.	6.5	62
43	Binding of the Initiation Factor Ïƒ70 to Core RNA Polymerase Is a Multistep Process. Molecular Cell, 2001, 8, 21-31.	4.5	61
44	Structure-based analysis of RNA polymerase function: the largest subunit's rudder contributes critically to elongation complex stability and is not involved in the maintenance of RNA-DNA hybrid length. EMBO Journal, 2002, 21, 1369-1378.	3.5	59
45	Metagenomic Analysis of Bacterial Communities of Antarctic Surface Snow. Frontiers in Microbiology, 2016, 7, 398.	1.5	58
46	Function of the CRISPR-Cas System of the Human Pathogen Clostridium difficile. MBio, 2015, 6, e01112-15.	1.8	57
47	The involvement of the aspartate triad of the active center in all catalytic activities of multisubunit RNA polymerase. Nucleic Acids Research, 2005, 33, 4202-4211.	6.5	56
48	The Î² Subunit Rif-cluster I Is Only Angstroms Away from the Active Center of Escherichia coli RNA Polymerase. Journal of Biological Chemistry, 1995, 270, 29428-29432.	1.6	55
49	Acinetodin and Klebsidin, RNA Polymerase Targeting Lasso Peptides Produced by Human Isolates of <i>Acinetobacter gyllenbergii</i> and <i>Klebsiella pneumoniae</i>. ACS Chemical Biology, 2017, 12, 814-824.	1.6	54
50	Synthetic Microcin C Analogs Targeting Different Aminoacyl-tRNA Synthetases. Journal of Bacteriology, 2009, 191, 6273-6280.	1.0	53
51	RNA polymerase structureâ€"function: insights into points of transcriptional regulation. Current Opinion in Microbiology, 2000, 3, 118-125.	2.3	52
52	Tethering of the Large Subunits of Escherichia coli RNA Polymerase. Journal of Biological Chemistry, 1997, 272, 24137-24140.	1.6	50
53	Klebsazolicin inhibits 70S ribosome by obstructing the peptide exit tunnel. Nature Chemical Biology, 2017, 13, 1129-1136.	3.9	50
54	Recombinant Thermus aquaticus RNA Polymerase, a New Tool for Structure-Based Analysis of Transcription. Journal of Bacteriology, 2001, 183, 71-76.	1.0	48

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55	Optimal number of spacers in CRISPR arrays. PLoS Computational Biology, 2017, 13, e1005891.	1.5	48
56	Architecture of Microcin B17 Synthetase: An Octameric Protein Complex Converting a Ribosomally Synthesized Peptide into a DNA Gyrase Poison. Molecular Cell, 2019, 73, 749-762.e5.	4.5	48
57	Structure of Microcin B-Like Compounds Produced by Pseudomonas syringae and Species Specificity of Their Antibacterial Action. Journal of Bacteriology, 2013, 195, 4129-4137.	1.0	47
58	Structure-Activity Analysis of Microcin J25: Distinct Parts of the Threaded Lasso Molecule Are Responsible for Interaction with Bacterial RNA Polymerase. Journal of Bacteriology, 2005, 187, 3859-3863.	1.0	46
59	A non-canonical multisubunit RNA polymerase encoded by a giant bacteriophage. Nucleic Acids Research, 2015, 43, gkv1095.	6.5	46
60	Structure of ribosome-bound azole-modified peptide phazolicin rationalizes its species-specific mode of bacterial translation inhibition. Nature Communications, 2019, 10, 4563.	5.8	45
61	Mapping the molecular interface between the Ïƒ70 subunit of E. coli RNA polymerase and T4 AsiA. Journal of Molecular Biology, 2001, 306, 631-642.	2.0	42
62	The Role of the Largest RNA Polymerase Subunit Lid Element in Preventing the Formation of Extended RNA-DNA Hybrid. Journal of Molecular Biology, 2006, 361, 634-643.	2.0	42
63	On the Role of the Escherichia coli RNA Polymerase Ïƒ70 Region 4.2 and Î±-Subunit C-terminal Domains in Promoter Complex Formation on the Extended â€“10 galP1 Promoter. Journal of Biological Chemistry, 2003, 278, 29710-29718.	1.6	40
64	Structural Basis of Leader Peptide Recognition in Lasso Peptide Biosynthesis Pathway. ACS Chemical Biology, 2019, 14, 1619-1627.	1.6	40
65	Using an Endogenous CRISPR-Cas System for Genome Editing in the Human Pathogen Clostridium difficile. Applied and Environmental Microbiology, 2019, 85, .	1.4	39
66	A new basal promoter element recognized by RNA polymerase core enzyme. EMBO Journal, 2011, 30, 3766-3775.	3.5	38
67	Altered stoichiometry<i>Escherichia coli</i>Cascade complexes with shortened CRISPR RNA spacers are capable of interference and primed adaptation. Nucleic Acids Research, 2016, 44, 10849-10861.	6.5	37
68	Determinants for Escherichia coli RNA polymerase assembly within the Î² subunit. Journal of Molecular Biology, 1997, 270, 648-662.	2.0	36
69	Interaction of Escherichia coli RNA Polymerase Ïƒ70 Subunit with Promoter Elements in the Context of Free Ïƒ70, RNA Polymerase Holoenzyme, and the Î²â€²-Ïƒ70 Complex. Journal of Biological Chemistry, 2011, 286, 270-279.	1.6	34
70	The Origins of Specificity in the Microcin-Processing Protease TldD/E. Structure, 2017, 25, 1549-1561.e5.	1.6	34
71	Reorganisation of an RNA polymeraseâ€“promoter DNA complex for DNA melting. EMBO Journal, 2004, 23, 4253-4263.	3.5	33
72	Temporal Regulation of Gene Expression of the Thermus thermophilus Bacteriophage P23-45. Journal of Molecular Biology, 2011, 405, 125-142.	2.0	33

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73	Dissection of Two Hallmarks of the Open Promoter Complex by Mutation in an RNA Polymerase Core Subunit. Journal of Biological Chemistry, 2000, 275, 25516-25522.	1.6	32
74	A Conserved Zinc Binding Domain in the Largest Subunit of DNA-dependent RNA Polymerase Modulates Intrinsic Transcription Termination and Antitermination but does not Stabilize the Elongation Complex. Journal of Molecular Biology, 2004, 342, 1143-1154.	2.0	31
75	Structural basis for promoter specificity switching of RNA polymerase by a phage factor. Genes and Development, 2014, 28, 521-531.	2.7	31
76	Microcin J25 Uptake: His 5 of the MccJ25 Lariat Ring Is Involved in Interaction with the Inner Membrane MccJ25 Transporter Protein SbmA. Journal of Bacteriology, 2006, 188, 3324-3328.	1.0	30
77	Potential Applicability of Chymotrypsin-Susceptible Microcin J25 Derivatives to Food Preservation. Applied and Environmental Microbiology, 2009, 75, 5734-5738.	1.4	30
78	Dynamics of <i>Escherichia coli</i> type Iâ€E CRISPR spacers over 42Â000Âyears. Molecular Ecology, 2017, 26, 2019-2026.	2.0	29
79	Preparation and Characterization of Recombinant Thermus aquaticus RNA Polymerase. Methods in Enzymology, 2003, 370, 94-108.	0.4	28
80	Mapping Ïƒ54-RNA Polymerase Interactions at the â€“24 Consensus Promoter Element. Journal of Biological Chemistry, 2003, 278, 29728-29743.	1.6	28
81	Mutational Analysis of Ïƒ70 Region 4 Needed for Appropriation by the Bacteriophage T4 Transcription Factors AsiA and MotA. Journal of Molecular Biology, 2006, 363, 931-944.	2.0	28
82	A Novel Bacteriophage-encoded RNA Polymerase Binding Protein Inhibits Transcription Initiation and Abolishes Transcription Termination by Host RNA Polymerase. Journal of Molecular Biology, 2002, 320, 11-22.	2.0	27
83	A bacteriophage transcription regulator inhibits bacterial transcription initiation by Ïƒ-factor displacement. Nucleic Acids Research, 2014, 42, 4294-4305.	6.5	27
84	A Trojan-Horse Peptide-Carboxymethyl-Cytidine Antibiotic from <i>Bacillus amyloliquefaciens</i>. Journal of the American Chemical Society, 2016, 138, 15690-15698.	6.6	27
85	Systematic analysis of Type Iâ€E <i>Escherichia coli</i> CRISPRâ€Cas PAM sequences ability to promote interference and primed adaptation. Molecular Microbiology, 2019, 111, 1558-1570.	1.2	27
86	In vitro and in vivo growth inhibition of human cervical cancer cells via human papillomavirus E6/E7 mRNAsâ€™ cleavage by CRISPR/Cas13a system. Antiviral Research, 2020, 178, 104794.	1.9	27
87	The Influence of Copy-Number of Targeted Extrachromosomal Genetic Elements on the Outcome of CRISPR-Cas Defense. Frontiers in Molecular Biosciences, 2016, 3, 45.	1.6	26
88	The Î²â€² Subunit of Escherichia coli RNA Polymerase Is Not Required for Interaction with Initiating Nucleotide but Is Necessary for Interaction with Rifampicin. Journal of Biological Chemistry, 2001, 276, 13308-13313.	1.6	25
89	Interaction of T4 AsiA with its Target Sites in the RNA Polymerase Ïƒ70 Subunit Leads to Distinct and Opposite Effects on Transcription. Journal of Molecular Biology, 2003, 326, 679-690.	2.0	24
90	Spacer acquisition by Type III CRISPRâ€“Cas system during bacteriophage infection of Thermus thermophilus. Nucleic Acids Research, 2020, 48, 9787-9803.	6.5	24

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91	Extended targeting potential and improved synthesis of Microcin C analogs as antibacterials. Bioorganic and Medicinal Chemistry, 2011, 19, 5462-5467.	1.4	23
92	Detection of spacer precursors formed in vivo during primed CRISPR adaptation. Nature Communications, 2019, 10, 4603.	5.8	23
93	A novel phage-encoded transcription antiterminator acts by suppressing bacterial RNA polymerase pausing. Nucleic Acids Research, 2012, 40, 4052-4063.	6.5	22
94	CRISPR transcript processing: a mechanism for generating a large number of small interfering RNAs. Biology Direct, 2012, 7, 24.	1.9	22
95	CRISPR RNA binding and DNA target recognition by purified Cascade complexes from Escherichia coli. Nucleic Acids Research, 2015, 43, 530-543.	6.5	22
96	Defining the seed sequence of the Cas12b CRISPR-Cas effector complex. RNA Biology, 2019, 16, 413-422.	1.5	22
97	Natural Trojan horse inhibitors of aminoacyl-tRNA synthetases. RSC Chemical Biology, 2021, 2, 468-485.	2.0	22
98	Remodeling of the Ïƒ70 Subunit Non-template DNA Strand Contacts During the Final Step of Transcription Initiation. Journal of Molecular Biology, 2005, 350, 930-937.	2.0	21
99	The Cas6e ribonuclease is not required for interference and adaptation by the<i>E. coli</i>type I-E CRISPR-Cas system. Nucleic Acids Research, 2015, 43, 6049-6061.	6.5	21
100	Xenogeneic Regulation of the Bacterial Transcription Machinery. Journal of Molecular Biology, 2019, 431, 4078-4092.	2.0	21
101	Multiple Roles of the RNA Polymerase Î² Subunit Flap Domain in Ï‚54-Dependent Transcription. Journal of Biological Chemistry, 2003, 278, 3455-3465.	1.6	20
102	Stable DNA Opening within Open Promoter Complexes Is Mediated by the RNA Polymerase Î²â€²-Jaw Domain. Journal of Biological Chemistry, 2005, 280, 36176-36184.	1.6	20
103	Early Transcriptional Arrest at Escherichia coli rplN and ompX Promoters. Journal of Biological Chemistry, 2009, 284, 35702-35713.	1.6	20
104	DNA targeting by Clostridium cellulolyticum CRISPRâ€“Cas9 Type II-C system. Nucleic Acids Research, 2020, 48, 2026-2034.	6.5	20
105	Recombinant Thermus aquaticus RNA Polymerase for Structural Studies. Journal of Molecular Biology, 2006, 359, 110-121.	2.0	19
106	Spacer-length DNA intermediates are associated with Cas1 in cells undergoing primed CRISPR adaptation. Nucleic Acids Research, 2017, 45, 3297-3307.	6.5	19
107	Primed CRISPR adaptation in Escherichia coli cells does not depend on conformational changes in the Cascade effector complex detected in Vitro. Nucleic Acids Research, 2018, 46, 4087-4098.	6.5	19
108	Identification and characterization of andalusicin: N-terminally dimethylated class III lantibiotic from Bacillus thuringiensis sv. andalousiensis. IScience, 2021, 24, 102480.	1.9	18

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109	The comparison of ZFNs, TALENs, and SpCas9 by GUIDE-seq in HPV-targeted gene therapy. Molecular Therapy - Nucleic Acids, 2021, 26, 1466-1478.	2.3	18
110	Efficient target cleavage by Type V Cas12a effectors programmed with split CRISPR RNA. Nucleic Acids Research, 2022, 50, 1162-1173.	6.5	18
111	Structural Modules of RNA Polymerase Required for Transcription from Promoters Containing Downstream Basal Promoter Element GGGA. Journal of Biological Chemistry, 2008, 283, 22482-22489.	1.6	17
112	Regulation of RNA Polymerase Promoter Selectivity by Covalent Modification of DNA. Journal of Molecular Biology, 2004, 335, 103-111.	2.0	16
113	Mapping of RNA Polymerase Residues that Interact with Bacteriophage Xp10 Transcription Antitermination Factor p7. Journal of Molecular Biology, 2008, 375, 29-35.	2.0	16
114	Biosynthesis of the RiPP trojan horse nucleotide antibiotic microcin C is directed by the <i>N</i>-formyl of the peptide precursor. Chemical Science, 2019, 10, 2391-2395.	3.7	16
115	Transcription regulation by bacteriophage T4 AsiA. Protein Expression and Purification, 2005, 41, 1-8.	0.6	12
116	Interplay between the Î²â€² Clamp and the Î²â€² Jaw Domains during DNA Opening by the Bacterial RNA Polymerase at Ïƒ54-dependent Promoters. Journal of Molecular Biology, 2006, 359, 1182-1195.	2.0	11
117	The Ile¹³residue of microcin J25 is essential for recognition by the receptor FhuA, but not by the inner membrane transporter SbmA. FEMS Microbiology Letters, 2009, 301, 124-129.	0.7	11
118	Avoidance of Trinucleotide Corresponding to Consensus Protospacer Adjacent Motif Controls the Efficiency of Prespacer Selection during Primed Adaptation. MBio, 2018, 9, .	1.8	11
119	New Insights Into Functions and Possible Applications of Clostridium difficile CRISPR-Cas System. Frontiers in Microbiology, 2018, 9, 1740.	1.5	11
120	Translation-Targeting RiPPs and Where to Find Them. Frontiers in Genetics, 2020, 11, 226.	1.1	11
121	Prespacers formed during primed adaptation associate with the Cas1â€"Cas2 adaptation complex and the Cas3 interference nucleaseâ€"helicase. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	11
122	Detection of CRISPR adaptation. Biochemical Society Transactions, 2020, 48, 257-269.	1.6	11
123	Controller protein of restrictionâ€"modification system Kpn2I affects transcription of its gene by acting as a transcription elongation roadblock. Nucleic Acids Research, 2018, 46, 10810-10826.	6.5	10
124	Position of Deltaproteobacteria Cas12e nuclease cleavage sites depends on spacer length of guide RNA. RNA Biology, 2020, 17, 1472-1479.	1.5	10
125	Inter- and Intrasubunit Interactions during the Formation of RNA Polymerase Assembly Intermediate. Journal of Biological Chemistry, 2000, 275, 31183-31190.	1.6	9
126	Î² Subunit Residues 186â€"433 and 436â€"445 are Commonly Used by EÏƒ54 and EÏƒ70 RNA Polymerase for Open Promoter Complex Formation. Journal of Molecular Biology, 2002, 319, 1067-1083.	2.0	9

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127	Recombinant bacterial RNA polymerase: Preparation and applications. Methods, 2009, 47, 44-52.	1.9	8
128	Class I Microcins: Their Structures, Activities, and Mechanisms of Resistance. , 2011, , 289-308.		8
129	Rapid Multiplex Creation of Escherichia coli Strains Capable of Interfering with Phage Infection Through CRISPR. Methods in Molecular Biology, 2015, 1311, 147-159.	0.4	8
130	Genome Maintenance Proteins Modulate Autoimmunity Mediated Primed Adaptation by the Escherichia coli Type I-E CRISPR-Cas System. Genes, 2019, 10, 872.	1.0	8
131	Cell-Free Mutant Analysis Combined with Structure Prediction of a Lasso Peptide Biosynthetic Protease B2. ACS Synthetic Biology, 2022, 11, 2022-2028.	1.9	8
132	The sabotage of the bacterial transcription machinery by a small bacteriophage protein. Bacteriophage, 2014, 4, e28520.	1.9	7
133	Role of Second-Largest RNA Polymerase I Subunit Zn-Binding Domain in Enzyme Assembly. Eukaryotic Cell, 2003, 2, 1046-1052.	3.4	6
134	Features of CRISPR-Cas Regulation Key to Highly Efficient and Temporally-Specific crRNA Production. Frontiers in Microbiology, 2017, 8, 2139.	1.5	5
135	Use of Semi-quantitative Northern Blot Analysis to Determine Relative Quantities of Bacterial CRISPR Transcripts. , 2012, 905, 73-86.		4
136	Protospacer-Adjacent Motif Specificity during Clostridioides difficile Type I-B CRISPR-Cas Interference and Adaptation. MBio, 2021, 12, e0213621.	1.8	4
137	Molecular basis of RNA polymerase promoter specificity switch revealed through studies of<i>Thermus</i>bacteriophage transcription regulator. Bacteriophage, 2014, 4, e29399.	1.9	3
138	CRISPR-Cas: Outstanding questions remain. Physics of Life Reviews, 2014, 11, 146-148.	1.5	2
139	Persistence of plasmids targeted by CRISPR interference in bacterial populations. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2114905119.	3.3	2
140	Interdependencies Between the Adaptation and Interference Modules Guide Efficient CRISPR-Cas Immunity. , 2017, , 51-62.		1
141	CRISPR Transcript Processing: An Unusual Mechanism for Rapid Production of Desired Molecules. Lecture Notes in Computer Science, 2012, , 31-34.	1.0	0