Konstantin V Severinov

List of Publications by Year
in descending order

166	12,435	45	102
papers	citations	h-index	g-index
		53751	30894

178	178	178	9904
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Efficient target cleavage by Type V Cas12a effectors programmed with split CRISPR RNA. Nucleic Acids Research, 2022, 50, 1162-1173.	6.5	18
2	Uncertainty-aware and interpretable evaluation of Cas9â€“gRNA and Cas12aâ€“gRNA specificity for fully matched and partially mismatched targets with Deep Kernel Learning. Nucleic Acids Research, 2022, 50, e11-e11.	6.5	5
3	Bacteriostatic antibiotics promote CRISPR-Cas adaptive immunity by enabling increased spacer acquisition. Cell Host and Microbe, 2022, 30, 31-40.e5.	5.1	30
4	Regulation of Gene Expression of phiEco32-like Bacteriophage 7-11. Viruses, 2022, 14, 555.	1.5	0
5	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
6	S51 Family Peptidases Provide Resistance to Peptidyl-Nucleotide Antibiotic McC. MBio, 2022, 13, e0080522.	1.8	0
7	GNATÂtoxins evolve toward narrow tRNA target specificities. Nucleic Acids Research, 2022, 50, 5807-5817.	6.5	2
8	Development of ONT-cappable-seq to unravel the transcriptional landscape of Pseudomonas phages. Computational and Structural Biotechnology Journal, 2022, 20, 2624-2638.	1.9	9
9	Structural basis of template strand deoxyuridine promoter recognition by a viral RNA polymerase. Nature Communications, 2022, 13, .	5.8	3
10	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
11	Structure and function of virion RNA polymerase of a crAss-like phage. Nature, 2021, 589, 306-309.	13.7	29
12	Natural Trojan horse inhibitors of aminoacyl-tRNA synthetases. RSC Chemical Biology, 2021, 2, 468-485.	2.0	22
13	Microbial Arsenal of Antiviral Defenses â€“ Part I. Biochemistry (Moscow), 2021, 86, 319-337.	0.7	23
14	Diversity and Functions of Type II Topoisomerases. Acta Naturae, 2021, 13, 59-75.	1.7	11
15	Microbial Arsenal of Antiviral Defenses. Part II. Biochemistry (Moscow), 2021, 86, 449-470.	0.7	32
16	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
17	Identification and characterization of andalusicin: N-terminally dimethylated class III lantibiotic from Bacillus thuringiensis sv. andalousiensis. IScience, 2021, 24, 102480.	1.9	18
18	Human short peptidoglycan recognition protein PGLYRP1/Tagâ€7/PGRPâ€S inhibits <i>Listeria monocytogenes</i> intracellular survival in macrophages. FASEB Journal, 2021, 35, .	0.2	0

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19	The bacteriophage LUZ24 â€œIgyâ€•peptide inhibits the Pseudomonas DNA gyrase. Cell Reports, 2021, 36, 109567.	2.9	15
20	Protospacer-Adjacent Motif Specificity during Clostridioides difficile Type I-B CRISPR-Cas Interference and Adaptation. MBio, 2021, 12, e0213621.	1.8	4
21	Type III CRISPR-Cas Systems: Deciphering the Most Complex Prokaryotic Immune System. Biochemistry (Moscow), 2021, 86, 1301-1314.	0.7	26
22	SCRAMBLER: A Tool for <i>De Novo</i> CRISPR Array Reconstruction and Its Application for Analysis of the Structure of Prokaryotic Populations. CRISPR Journal, 2021, 4, 673-685.	1.4	2
23	â€˜Drcâ€™, a structurally novel ssDNA-binding transcription regulator of N4-related bacterial viruses. Nucleic Acids Research, 2020, 48, 445-459.	6.5	23
24	Multisubunit RNA Polymerases of Jumbo Bacteriophages. Viruses, 2020, 12, 1064.	1.5	25
25	Liquid drop of DNA libraries reveals total genome information. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 27300-27306.	3.3	4
26	Reproducible Antigen Recognition by the Type I-F CRISPR-Cas System. CRISPR Journal, 2020, 3, 378-387.	1.4	9
27	Novel Escherichia coli RNA Polymerase Binding Protein Encoded by Bacteriophage T5. Viruses, 2020, 12, 807.	1.5	7
28	The Phage-Encoded N-Acetyltransferase Rac Mediates Inactivation of Pseudomonas aeruginosa Transcription by Cleavage of the RNA Polymerase Alpha Subunit. Viruses, 2020, 12, 976.	1.5	11
29	Spacer acquisition by Type III CRISPRâ€“Cas system during bacteriophage infection of Thermus thermophilus. Nucleic Acids Research, 2020, 48, 9787-9803.	6.5	24
30	PpCas9 from <i>Pasteurella pneumotropica</i>Ââ€”Âa compact Type II-C Cas9 ortholog active in human cells. Nucleic Acids Research, 2020, 48, 12297-12309.	6.5	19
31	Position of Deltaproteobacteria Cas12e nuclease cleavage sites depends on spacer length of guide RNA. RNA Biology, 2020, 17, 1472-1479.	1.5	10
32	Mechanism of translation inhibition by type II GNAT toxin AtaT2. Nucleic Acids Research, 2020, 48, 8617-8625.	6.5	11
33	Mapping CRISPR spaceromes reveals vast host-specific viromes of prokaryotes. Communications Biology, 2020, 3, 321.	2.0	31
34	Translation-Targeting RiPPs and Where to Find Them. Frontiers in Genetics, 2020, 11, 226.	1.1	11
35	DNA targeting by Clostridium cellulolyticum CRISPRâ€“Cas9 Type II-C system. Nucleic Acids Research, 2020, 48, 2026-2034.	6.5	20
36	Phage T7 DNA mimic protein Ocr is a potent inhibitor of BREX defence. Nucleic Acids Research, 2020, 48, 5397-5406.	6.5	53

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37	Quantification of the affinities of CRISPRâ€“Cas9 nucleases for cognate protospacer adjacent motif (PAM) sequences. Journal of Biological Chemistry, 2020, 295, 6509-6517.	1.6	17
38	Histidine-Triad Hydrolases Provide Resistance to Peptide-Nucleotide Antibiotics. MBio, 2020, 11, .	1.8	5
39	Detection of CRISPR adaptation. Biochemical Society Transactions, 2020, 48, 257-269.	1.6	11
40	CRISPR Arrays Away from <i>cas</i> Genes. CRISPR Journal, 2020, 3, 535-549.	1.4	18
41	Human Short Peptidoglycan Recognition Protein PGLYRP1/Tag-7/PGRP-S Inhibits Listeria monocytogenes Intracellular Survival in Macrophages. Frontiers in Cellular and Infection Microbiology, 2020, 10, 582803.	1.8	4
42	Defining the seed sequence of the Cas12b CRISPR-Cas effector complex. RNA Biology, 2019, 16, 413-422.	1.5	22
43	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
44	Detection of spacer precursors formed in vivo during primed CRISPR adaptation. Nature Communications, 2019, 10, 4603.	5.8	23
45	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
46	Using an Endogenous CRISPR-Cas System for Genome Editing in the Human Pathogen Clostridium difficile. Applied and Environmental Microbiology, 2019, 85, .	1.4	39
47	Efficient <i>in vivo</i> synthesis of lasso peptide pseudomycoidin proceeds in the absence of both the leader and the leader peptidase. Chemical Science, 2019, 10, 9699-9707.	3.7	25
48	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
49	Structural Basis of Leader Peptide Recognition in Lasso Peptide Biosynthesis Pathway. ACS Chemical Biology, 2019, 14, 1619-1627.	1.6	40
50	Cytological Immunostaining of HMGA2, LRP1B, and TP63 as Potential Biomarkers for Triaging Human Papillomavirus-Positive Women. Translational Oncology, 2019, 12, 959-967.	1.7	12
51	Reiterative Synthesis by the Ribosome and Recognition of the N-Terminal Formyl Group by Biosynthetic Machinery Contribute to Evolutionary Conservation of the Length of Antibiotic Microcin C Peptide Precursor. MBio, 2019, 10, .	1.8	6
52	Natural diversity of CRISPR spacers of <i>Thermus</i> : evidence of local spacer acquisition and global spacer exchange. Philosophical Transactions of the Royal Society B: Biological Sciences, 2019, 374, 20180092.	1.8	21
53	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
54	Effects of Population Dynamics on Establishment of a Restriction-Modification System in a Bacterial Host. Molecules, 2019, 24, 198.	1.7	1

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55	Cryo-EM structure and in vitro DNA packaging of a thermophilic virus with supersized T=7 capsids. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 3556-3561.	3.3	54
56	Xenogeneic Regulation of the Bacterial Transcription Machinery. Journal of Molecular Biology, 2019, 431, 4078-4092.	2.0	21
57	Virus-borne mini-CRISPR arrays are involved in interviral conflicts. Nature Communications, 2019, 10, 5204.	5.8	50
58	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
59	Single-nucleotide-resolution mapping of DNA gyrase cleavage sites across the<i>Escherichia coli</i>genome. Nucleic Acids Research, 2019, 47, 1373-1388.	6.5	50
60	Structure Studies of the CRISPR-Csm Complex Reveal Mechanism of Co-transcriptional Interference. Cell, 2019, 176, 239-253.e16.	13.5	110
61	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
62	CRISPRâ€"Cas molecular beacons as tool for studies of assembly of CRISPRâ€"Cas effector complexes and their interactions with DNA. Methods in Enzymology, 2019, 616, 337-363.	0.4	6
63	A Thermus phage protein inhibits host RNA polymerase by preventing template DNA strand loading during open promoter complex formation. Nucleic Acids Research, 2018, 46, 431-441.	6.5	8
64	Biosynthesis of Translation Inhibitor Klebsazolicin Proceeds through Heterocyclization and N-Terminal Amidine Formation Catalyzed by a Single YcaO Enzyme. Journal of the American Chemical Society, 2018, 140, 5625-5633.	6.6	25
65	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
66	Avoidance of Trinucleotide Corresponding to Consensus Protospacer Adjacent Motif Controls the Efficiency of Prespacer Selection during Primed Adaptation. MBio, 2018, 9, .	1.8	11
67	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
68	Ultrahigh-throughput functional profiling of microbiota communities. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 9551-9556.	3.3	79
69	Systematic prediction of genes functionally linked to CRISPR-Cas systems by gene neighborhood analysis. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E5307-E5316.	3.3	138
70	Escherichia coli ItaT is a type II toxin that inhibits translation by acetylating isoleucyl-tRNAIle. Nucleic Acids Research, 2018, 46, 7873-7885.	6.5	31
71	New Insights Into Functions and Possible Applications of Clostridium difficile CRISPR-Cas System. Frontiers in Microbiology, 2018, 9, 1740.	1.5	11
72	Diversity and evolution of class 2 CRISPRâ€"Cas systems. Nature Reviews Microbiology, 2017, 15, 169-182.	13.6	792

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73	Transcription Profiling of Bacillus subtilis Cells Infected with AR9, a Giant Phage Encoding Two Multisubunit RNA Polymerases. MBio, 2017, 8, .	1.8	26
74	Peptideâ€nucleotide antibiotic Microcin C is a potent inducer of stringent response and persistence in both sensitive and producing cells. Molecular Microbiology, 2017, 104, 463-471.	1.2	21
75	A non-canonical multisubunit RNA polymerase encoded by the AR9 phage recognizes the template strand of its uracil-containing promoters. Nucleic Acids Research, 2017, 45, 5958-5967.	6.5	22
76	Viral genome packaging terminase cleaves DNA using the canonical RuvC-like two-metal catalysis mechanism. Nucleic Acids Research, 2017, 45, gkw1354.	6.5	15
77	Spacer-length DNA intermediates are associated with Cas1 in cells undergoing primed CRISPR adaptation. Nucleic Acids Research, 2017, 45, 3297-3307.	6.5	19
78	Full shut-off of Escherichia coli RNA-polymerase by T7 phage requires a small phage-encoded DNA-binding protein. Nucleic Acids Research, 2017, 45, 7697-7707.	6.5	21
79	Mechanism of duplex DNA destabilization by RNA-guided Cas9 nuclease during target interrogation. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 5443-5448.	3.3	67
80	Multiplex gene editing by CRISPRâ€“Cpf1 using a single crRNA array. Nature Biotechnology, 2017, 35, 31-34.	9.4	736
81	The Origins of Specificity in the Microcin-Processing Protease TldD/E. Structure, 2017, 25, 1549-1561.e5.	1.6	34
82	The Product of <i>Yersinia pseudotuberculosis mcc</i> Operon Is a Peptide-Cytidine Antibiotic Activated Inside Producing Cells by the TldD/E Protease. Journal of the American Chemical Society, 2017, 139, 16178-16187.	6.6	27
83	The CRISPR Spacer Space Is Dominated by Sequences from Species-Specific Mobilomes. MBio, 2017, 8, .	1.8	181
84	Interplay between Ïƒ region 3.2 and secondary channel factors during promoter escape by bacterial RNA polymerase. Biochemical Journal, 2017, 474, 4053-4064.	1.7	14
85	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
86	Features of CRISPR-Cas Regulation Key to Highly Efficient and Temporally-Specific crRNA Production. Frontiers in Microbiology, 2017, 8, 2139.	1.5	5
87	Novel Fri1-like Viruses Infecting Acinetobacter baumanniiâ€”vB_AbaP_AS11 and vB_AbaP_AS12â€”Characterization, Comparative Genomic Analysis, and Host-Recognition Strategy.. Viruses, 2017, 9, 188.	1.5	35
88	Optimal number of spacers in CRISPR arrays. PLoS Computational Biology, 2017, 13, e1005891.	1.5	48
89	Metagenomic Analysis of Bacterial Communities of Antarctic Surface Snow. Frontiers in Microbiology, 2016, 7, 398.	1.5	58
90	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

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91	Come Together: CRISPR-Cas Immunity Senses the Quorum. Molecular Cell, 2016, 64, 1013-1015.	4.5	10
92	The genome of AR9, a giant transducing Bacillus phage encoding two multisubunit RNA polymerases. Virology, 2016, 495, 185-196.	1.1	81
93	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
94	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
95	Temporal dynamics of methyltransferase and restriction endonuclease accumulation in individual cells after introducing a restriction-modification system. Nucleic Acids Research, 2016, 44, 790-800.	6.5	28
96	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
97	C2c2 is a single-component programmable RNA-guided RNA-targeting CRISPR effector. Science, 2016, 353, aaf5573.	6.0	1,647
98	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
99	New Infestin-4 Mutants with Increased Selectivity against Factor XIIa. PLoS ONE, 2015, 10, e0144940.	1.1	17
100	The Pseudomonas aeruginosa PA14 ABC Transporter NppA1A2BCD Is Required for Uptake of Peptidyl Nucleoside Antibiotics. Journal of Bacteriology, 2015, 197, 2217-2228.	1.0	34
101	A non-canonical multisubunit RNA polymerase encoded by a giant bacteriophage. Nucleic Acids Research, 2015, 43, gkv1095.	6.5	46
102	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
103	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
104	Bacteriophage Xp10 anti-termination factor p7 induces forward translocation by host RNA polymerase. Nucleic Acids Research, 2015, 43, 6299-6308.	6.5	11
105	CRISPR interference and priming varies with individual spacer sequences. Nucleic Acids Research, 2015, 43, 10831-10847.	6.5	95
106	Distinct pathways of RNA polymerase regulation by a phage-encoded factor. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 2017-2022.	3.3	18
107	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
108	Enzymatic Synthesis and Functional Characterization of Bioactive Microcin C-Like Compounds with Altered Peptide Sequence and Length. Journal of Bacteriology, 2015, 197, 3133-3141.	1.0	14

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109	RNA polymerase molecular beacon as tool for studies of RNA polymeraseâ€“promoter interactions. Methods, 2015, 86, 19-26.	1.9	6
110	Discovery and Functional Characterization of Diverse Class 2 CRISPR-Cas Systems. Molecular Cell, 2015, 60, 385-397.	4.5	971
111	Function of the CRISPR-Cas System of the Human Pathogen Clostridium difficile. MBio, 2015, 6, e01112-15.	1.8	57
112	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
113	CRISPR RNA binding and DNA target recognition by purified Cascade complexes from Escherichia coli. Nucleic Acids Research, 2015, 43, 530-543.	6.5	22
114	The sabotage of the bacterial transcription machinery by a small bacteriophage protein. Bacteriophage, 2014, 4, e28520.	1.9	7
115	Pervasive generation of oppositely oriented spacers during CRISPR adaptation. Nucleic Acids Research, 2014, 42, 5907-5916.	6.5	65
116	Ribosome-controlled transcription termination is essential for the production of antibiotic microcin C. Nucleic Acids Research, 2014, 42, 11891-11902.	6.5	17
117	Coupling of Downstream RNA Polymeraseâ€“Promoter Interactions with Formation of Catalytically Competent Transcription Initiation Complex. Journal of Molecular Biology, 2014, 426, 3973-3984.	2.0	14
118	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
119	Systematic Identification of Hypothetical Bacteriophage Proteins Targeting Key Protein Complexes of <i>Pseudomonas aeruginosa</i>. Journal of Proteome Research, 2014, 13, 4446-4456.	1.8	54
120	The RimL Transacetylase Provides Resistance to Translation Inhibitor Microcin C. Journal of Bacteriology, 2014, 196, 3377-3385.	1.0	22
121	Development of Giant Bacteriophage Ï•KZ Is Independent of the Host Transcription Apparatus. Journal of Virology, 2014, 88, 10501-10510.	1.5	144
122	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
123	Host RNA polymerase inhibitors encoded by Ï•KMV-like phages of pseudomonas. Virology, 2013, 436, 67-74.	1.1	21
124	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
125	The putative small terminase from the thermophilic dsDNA bacteriophage G20C is a nine-subunit oligomer. Acta Crystallographica Section F: Structural Biology Communications, 2013, 69, 876-879.	0.7	7
126	12-Fold symmetry of the putative portal protein from the<i>Thermus thermophilus</i>bacteriophage G20C determined by X-ray analysis. Acta Crystallographica Section F: Structural Biology Communications, 2013, 69, 1239-1241.	0.7	4

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127	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
128	A novel phage-encoded transcription antiterminator acts by suppressing bacterial RNA polymerase pausing. Nucleic Acids Research, 2012, 40, 4052-4063.	6.5	22
129	Structural and Mechanistic Basis for the Inhibition of Escherichia coli RNA Polymerase by T7 Gp2. Molecular Cell, 2012, 47, 755-766.	4.5	39
130	Molecular memory of prior infections activates the CRISPR/Cas adaptive bacterial immunity system. Nature Communications, 2012, 3, 945.	5.8	490
131	Temporal Regulation of Gene Expression of the Escherichia coli Bacteriophage phiEco32. Journal of Molecular Biology, 2012, 416, 389-399.	2.0	21
132	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
133	Microcin C: biosynthesis and mechanisms of bacterial resistance. Future Microbiology, 2012, 7, 281-289.	1.0	51
134	Substitutions in the Escherichia coli RNA polymerase inhibitor T7 Gp2 that allow inhibition of transcription when the primary interaction interface between Gp2 and RNA polymerase becomes compromised. Microbiology (United Kingdom), 2012, 158, 2753-2764.	0.7	12
135	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
136	Regulation of gene expression in restriction-modification system Eco29kI. Nucleic Acids Research, 2011, 39, 4653-4663.	6.5	13
137	Restrictionâ€“modification systems and bacteriophage invasion: Who wins?. Journal of Theoretical Biology, 2010, 266, 550-559.	0.8	30
138	Transcription, processing and function of CRISPR cassettes in <i>Escherichia coli</i>. Molecular Microbiology, 2010, 77, 1367-1379.	1.2	203
139	The Mechanism of Microcin C Resistance Provided by the MccF Peptidase. Journal of Biological Chemistry, 2010, 285, 37944-37952.	1.6	34
140	MccE Provides Resistance to Protein Synthesis Inhibitor Microcin C by Acetylating the Processed Form of the Antibiotic. Journal of Biological Chemistry, 2010, 285, 12662-12669.	1.6	35
141	Large-Scale Identification and Analysis of C-Proteins. Methods in Molecular Biology, 2010, 674, 269-282.	0.4	7
142	Self immunity and resistance mechanisms against trojan horse antibiotic â€•Microcin C7. FASEB Journal, 2010, 24, lb201.	0.2	0
143	Transcription regulation of restriction-modification system Esp1396I. Nucleic Acids Research, 2009, 37, 3354-3366.	6.5	32
144	Transcription regulation of restriction-modification system Ecl18kI. Nucleic Acids Research, 2009, 37, 5322-5330.	6.5	35

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145	Systematic prediction of control proteins and their DNA binding sites. Nucleic Acids Research, 2009, 37, 441-451.	6.5	102
146	Genomic and Proteomic Analysis of phiEco32, a Novel Escherichia coli Bacteriophage. Journal of Molecular Biology, 2008, 377, 774-789.	2.0	61
147	Genome Comparison and Proteomic Characterization of Thermus thermophilus Bacteriophages P23-45 and P74-26: Siphoviruses with Triplex-forming Sequences and the Longest Known Tails. Journal of Molecular Biology, 2008, 378, 468-480.	2.0	56
148	Systematic Structure-Activity Analysis of Microcin J25. Journal of Biological Chemistry, 2008, 283, 25589-25595.	1.6	112
149	<i>Escherichia coli</i> Peptidase A, B, or N Can Process Translation Inhibitor Microcin C. Journal of Bacteriology, 2008, 190, 2607-2610.	1.0	73
150	Transcription regulation of the type II restriction-modification system AhdI. Nucleic Acids Research, 2008, 36, 1429-1442.	6.5	48
151	The <i>Escherichia coli</i> Yej Transporter Is Required for the Uptake of Translation Inhibitor Microcin C. Journal of Bacteriology, 2007, 189, 8361-8365.	1.0	108
152	Lowâ€molecularâ€weight postâ€translationally modified microcins. Molecular Microbiology, 2007, 65, 1380-1394.	1.2	132
153	Low-molecular-weight post-translationally modified microcins. Molecular Microbiology, 2007, 66, 277-277.	1.2	1
154	Thermus thermophilus Bacteriophage Ï•YS40 Genome and Proteomic Characterization of Virions. Journal of Molecular Biology, 2006, 364, 667-677.	2.0	60
155	Localization of the Escherichia coli RNA Polymerase Î²â€² Subunit Residue Phosphorylated by Bacteriophage T7 Kinase Gp0.7. Journal of Bacteriology, 2006, 188, 3470-3476.	1.0	34
156	Aspartyl-tRNA Synthetase Is the Target of Peptide Nucleotide Antibiotic Microcin C. Journal of Biological Chemistry, 2006, 281, 18033-18042.	1.6	137
157	Transcription regulation of the EcoRV restriction-modification system. Nucleic Acids Research, 2005, 33, 6942-6951.	6.5	41
158	Regulation of RNA Polymerase Promoter Selectivity by Covalent Modification of DNA. Journal of Molecular Biology, 2004, 335, 103-111.	2.0	16
159	A new Bacillus cereus DNA-binding protein, HlyIIR, negatively regulates expression of B. cereus haemolysin II. Microbiology (United Kingdom), 2004, 150, 3691-3701.	0.7	37
160	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
161	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
162	Helicobacter pylori with separate beta- and beta'-subunits of RNA polymerase is viable and can colonize conventional mice. Molecular Microbiology, 1999, 32, 131-138.	1.2	19

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164	Expressed Protein Ligation, a Novel Method for Studying Protein-Protein Interactions in Transcription. Journal of Biological Chemistry, 1998, 273, 16205-16209.	1.6	178
165	Histidine-tagged RNA polymerase of Escherichia coli and transcription in solid phase. Methods in Enzymology, 1996, 274, 326-334.	0.4	79
166	RifR mutations in the beginning of the Escherichia coli rpoB gene. Molecular Genetics and Genomics, 1994, 244, 120-126.	2.4	65