

Tim R Blower

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

26
papers

1,072
citations

13
h-index

29
g-index

29
ext. papers

1,326
ext. citations

9.4
avg, IF

4.14
L-index

#	Paper	IF	Citations
26	The phage abortive infection system, ToxIN, functions as a protein-RNA toxin-antitoxin pair. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 894-9	11.5	357
25	Crystal structure and stability of gyrase-fluoroquinolone cleaved complexes from Mycobacterium tuberculosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 1706-13	11.5	112
24	Identification and classification of bacterial Type III toxin-antitoxin systems encoded in chromosomal and plasmid genomes. <i>Nucleic Acids Research</i> , 2012 , 40, 6158-73	20.1	107
23	A processed noncoding RNA regulates an altruistic bacterial antiviral system. <i>Nature Structural and Molecular Biology</i> , 2011 , 18, 185-90	17.6	95
22	Balancing at survival's edge: the structure and adaptive benefits of prokaryotic toxin-antitoxin partners. <i>Current Opinion in Structural Biology</i> , 2011 , 21, 109-18	8.1	77
21	Viral evasion of a bacterial suicide system by RNA-based molecular mimicry enables infectious altruism. <i>PLoS Genetics</i> , 2012 , 8, e1003023	6	68
20	Fluoroquinolone interactions with Mycobacterium tuberculosis gyrase: Enhancing drug activity against wild-type and resistant gyrase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, E839-46	11.5	56
19	Selectivity and self-assembly in the control of a bacterial toxin by an antitoxic noncoding RNA pseudoknot. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, E241-9	11.5	46
18	Evolution of Pectobacterium Bacteriophage M1 To Escape Two Bifunctional Type III Toxin-Antitoxin and Abortive Infection Systems through Mutations in a Single Viral Gene. <i>Applied and Environmental Microbiology</i> , 2017 , 83,	4.8	26
17	Co-evolution of quaternary organization and novel RNA tertiary interactions revealed in the crystal structure of a bacterial protein-RNA toxin-antitoxin system. <i>Nucleic Acids Research</i> , 2015 , 43, 9529-40	20.1	19
16	A nucleotidyltransferase toxin inhibits growth of through inactivation of tRNA acceptor stems. <i>Science Advances</i> , 2020 , 6, eabb6651	14.3	16
15	Anticancer Ru and Rh Piano-Stool Complexes that are Histone Deacetylase Inhibitors. <i>ChemPlusChem</i> , 2016 , 81, 1276-1280	2.8	13
14	Mechanism of Action of Mycobacterium tuberculosis Gyrase Inhibitors: A Novel Class of Gyrase Poisons. <i>ACS Infectious Diseases</i> , 2018 , 4, 1211-1222	5.5	13
13	AbiEi Binds Cooperatively to the Type IV abiE Toxin-Antitoxin Operator Via a Positively-Charged Surface and Causes DNA Bending and Negative Autoregulation. <i>Journal of Molecular Biology</i> , 2018 , 430, 1141-1156	6.5	11
12	Recognition of DNA Supercoil Geometry by Mycobacterium tuberculosis Gyrase. <i>Biochemistry</i> , 2017 , 56, 5440-5448	3.2	11
11	A promiscuous antitoxin of bacteriophage T4 ensures successful viral replication. <i>Molecular Microbiology</i> , 2012 , 83, 665-8	4.1	10
10	DNA driven self-assembly of micron-sized rods using DNA-grafted bacteriophage fd virions. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 8194-202	3.6	9

9	A complex suite of loci and elements in eukaryotic type II topoisomerases determine selective sensitivity to distinct poisoning agents. <i>Nucleic Acids Research</i> , 2019 , 47, 8163-8179	20.1	6
8	The phage defence island of a multidrug resistant plasmid uses both BREX and type IV restriction for complementary protection from viruses. <i>Nucleic Acids Research</i> , 2021 , 49, 11257-11273	20.1	6
7	Viral molecular mimicry circumvents abortive infection and suppresses bacterial suicide to make hosts permissive for replication. <i>Bacteriophage</i> , 2012 , 2, 234-238		4
6	Anticancer Ruthenium Complexes with HDAC Isoform Selectivity. <i>Molecules</i> , 2020 , 25,	4.8	2
5	Antitoxin autoregulation of M. tuberculosis toxin-antitoxin expression through negative cooperativity arising from multiple inverted repeat sequences. <i>Biochemical Journal</i> , 2020 , 477, 2401-2419	3.8	2
4	Crystal structure of the anti-CRISPR repressor Aca2. <i>Journal of Structural Biology</i> , 2021 , 213, 107752	3.4	2
3	Isolation and characterisation of bacteriophages with activity against invasive non-typhoidal Salmonella causing bloodstream infection in Malawi		1
2	A widespread family of WYL-domain transcriptional regulators co-localises with diverse phage defence systems and islands		1
1	Type III Toxin-Antitoxin Loci 2013 , 249-265		