

Katherine Smollett

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

2,030
citations

471509

17
h-index

414414

32
g-index

36
all docs

36
docs citations

36
times ranked

5192
citing authors

#	ARTICLE	IF	CITATIONS
1	Circulating SARS-CoV-2 spike N439K variants maintain fitness while evading antibody-mediated immunity. <i>Cell</i> , 2021, 184, 1171-1187.e20.	28.9	541
2	Changes in symptomatology, reinfection, and transmissibility associated with the SARS-CoV-2 variant B.1.1.7: an ecological study. <i>Lancet Public Health</i> , The, 2021, 6, e335-e345.	10.0	269
3	A plasmid DNA-launched SARS-CoV-2 reverse genetics system and coronavirus toolkit for COVID-19 research. <i>PLoS Biology</i> , 2021, 19, e3001091.	5.6	163
4	Formation and Abundance of 5-Hydroxymethylcytosine in RNA. <i>ChemBioChem</i> , 2015, 16, 752-755.	2.6	148
5	Identification of a Novel <i>Citrobacter rodentium</i> Type III Secreted Protein, EspI, and Roles of This and Other Secreted Proteins in Infection. <i>Infection and Immunity</i> , 2004, 72, 2288-2302.	2.2	133
6	Genomic epidemiology reveals multiple introductions of SARS-CoV-2 from mainland Europe into Scotland. <i>Nature Microbiology</i> , 2021, 6, 112-122.	13.3	88
7	Global Analysis of the Regulon of the Transcriptional Repressor LexA, a Key Component of SOS Response in <i>Mycobacterium tuberculosis</i> . <i>Journal of Biological Chemistry</i> , 2012, 287, 22004-22014.	3.4	71
8	TFE and Spt4/5 open and close the RNA polymerase clamp during the transcription cycle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E1816-25.	7.1	62
9	Enteropathogenic <i>Escherichia coli</i> Type III Effectors EspG and EspG2 Disrupt the Microtubule Network of Intestinal Epithelial Cells. <i>Infection and Immunity</i> , 2005, 73, 4385-4390.	2.2	61
10	Complete architecture of the archaeal RNA polymerase open complex from single-molecule FRET and NPS. <i>Nature Communications</i> , 2015, 6, 6161.	12.8	54
11	Archaeal TFE [±] /I ² is a hybrid of TFIIE and the RNA polymerase III subcomplex hRPC62/39. <i>ELife</i> , 2015, 4, e08378.	6.0	50
12	A global analysis of transcription reveals two modes of Spt4/5 recruitment to archaeal RNA polymerase. <i>Nature Microbiology</i> , 2017, 2, 17021.	13.3	47
13	The histone chaperone HIRA promotes the induction of host innate immune defences in response to HSV-1 infection. <i>PLoS Pathogens</i> , 2019, 15, e1007667.	4.7	47
14	Experimental determination of translational start sites resolves uncertainties in genomic open reading frame predictions – application to <i>Mycobacterium tuberculosis</i> . <i>Microbiology (United Kingdom)</i> , 2020, 164, 1000000.	10.0	10
15	EspG of enteropathogenic and enterohemorrhagic <i>E. coli</i> binds the Golgi matrix protein GM130 and disrupts the Golgi structure and function. <i>Cellular Microbiology</i> , 2011, 13, 1429-1439.	2.1	36
16	Molecular Mechanisms of Transcription Initiation – Structure, Function, and Evolution of TFE/TFIIE-Like Factors and Open Complex Formation. <i>Journal of Molecular Biology</i> , 2016, 428, 2592-2606.	4.2	35
17	Repression of RNA polymerase by the archaeo-viral regulator ORF145/RIP. <i>Nature Communications</i> , 2016, 7, 13595.	12.8	20
18	The antiviral state has shaped the CpG composition of the vertebrate interferome to avoid self-targeting. <i>PLoS Biology</i> , 2021, 19, e3001352.	5.6	18

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19	Function and distribution of EspG2, a type III secretion system effector of enteropathogenic <i>Escherichia coli</i> . <i>Microbes and Infection</i> , 2006, 8, 2220-2227.	1.9	17
20	Convalescent plasma therapy for persistent hepatitis E virus infection. <i>Journal of Hepatology</i> , 2019, 71, 434-438.	3.7	17
21	Promoter-proximal elongation regulates transcription in archaea. <i>Nature Communications</i> , 2021, 12, 5524.	12.8	17
22	Characterisation of the <i>Mycobacterium tuberculosis</i> alternative sigma factor SigG: Its operon and regulon. <i>Tuberculosis</i> , 2013, 93, 482-491.	1.9	16
23	Archaeology of RNA polymerase: factor swapping during the transcription cycle. <i>Biochemical Society Transactions</i> , 2013, 41, 362-367.	3.4	15
24	SigG Does Not Control Gene Expression in Response to DNA Damage in <i>Mycobacterium tuberculosis</i> H37Rv. <i>Journal of Bacteriology</i> , 2011, 193, 1007-1011.	2.2	12
25	Genetic epidemiology of SARS-CoV-2 transmission in renal dialysis units – A high risk community-hospital interface. <i>Journal of Infection</i> , 2021, 83, 96-103.	3.3	12
26	<i>Mycobacterium tuberculosis</i> H37Rv sigC is expressed from two promoters but is not auto-regulatory. <i>Tuberculosis</i> , 2012, 92, 48-55.	1.9	11
27	Transcription in Archaea: Preparation of <i>Methanocaldococcus jannaschii</i> Transcription Machinery. <i>Methods in Molecular Biology</i> , 2015, 1276, 291-303.	0.9	7
28	Seoul Virus Associated with Pet Rats, Scotland, UK, 2019. <i>Emerging Infectious Diseases</i> , 2021, 27, 2677-2680.	4.3	5
29	Transcription in Archaea: In Vitro Transcription Assays for mjRNAP. <i>Methods in Molecular Biology</i> , 2015, 1276, 305-314.	0.9	4
30	Hepatitis E virus: Whole genome sequencing as a new tool for understanding HEV epidemiology and phenotypes. <i>Journal of Clinical Virology</i> , 2021, 139, 104738.	3.1	3
31	A Global Characterisation of the Archaeal Transcription Machinery. <i>Nucleic Acids and Molecular Biology</i> , 2017, , 1-26.	0.2	2