

Michael R Botchan

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/7400580/michael-r-botchan-publications-by-year.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

28

papers

8,282

citations

22

h-index

43

g-index

43

ext. papers

9,018

ext. citations

23.5

avg, IF

5.15

L-index

#	Paper	IF	Citations
28	Molecular determinants of phase separation for DNA replication licensing factors.. <i>ELife</i> , 2021 , 10,	8.9	2
27	Structural Mechanisms for Replicating DNA in Eukaryotes. <i>Annual Review of Biochemistry</i> , 2021 , 90, 77-106.1	10.6	3
26	Molecular Basis for ATP-Hydrolysis-Driven DNA Translocation by the CMG Helicase of the Eukaryotic Replisome. <i>Cell Reports</i> , 2019 , 28, 2673-2688.e8	10.6	32
25	A new class of disordered elements controls DNA replication through initiator self-assembly. <i>ELife</i> , 2019 , 8,	8.9	46
24	Conformational control and DNA-binding mechanism of the metazoan origin recognition complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E5906-E5915 ^{11.5}	11.5	25
23	Mechanisms and regulation of DNA replication initiation in eukaryotes. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2017 , 52, 107-144	8.7	93
22	Mechanisms for initiating cellular DNA replication. <i>Science</i> , 2017 , 355,	33.3	115
21	Crystal structure of the eukaryotic origin recognition complex. <i>Nature</i> , 2015 , 519, 321-6	50.4	90
20	CRISPR germline engineering--the community speaks. <i>Nature Biotechnology</i> , 2015 , 33, 478-86	44.5	91
19	Cdc45 (cell division cycle protein 45) guards the gate of the Eukaryote Replisome helicase stabilizing leading strand engagement. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, E249-58	11.5	64
18	Chromatin reader L(3)mbt requires the Myb-MuvB/DREAM transcriptional regulatory complex for chromosomal recruitment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, E4234-43	11.5	9
17	DNA binding polarity, dimerization, and ATPase ring remodeling in the CMG helicase of the eukaryotic replisome. <i>ELife</i> , 2014 , 3, e03273	8.9	89
16	A Meier-Gorlin syndrome mutation in a conserved C-terminal helix of Orc6 impedes origin recognition complex formation. <i>ELife</i> , 2013 , 2, e00882	8.9	37
15	ATP-dependent conformational dynamics underlie the functional asymmetry of the replicative helicase from a minimalist eukaryote. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 11999-2004	11.5	57
14	The structural basis for MCM2-7 helicase activation by GINS and Cdc45. <i>Nature Structural and Molecular Biology</i> , 2011 , 18, 471-7	17.6	255
13	DNA replication: making two forks from one prereplication complex. <i>Molecular Cell</i> , 2010 , 40, 860-1	17.6	18
12	Isolation of the Cdc45/Mcm2-7/GINS (CMG) complex, a candidate for the eukaryotic DNA replication fork helicase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 10236-10241	11.5	529

11	CDK phosphorylation inhibits the DNA-binding and ATP-hydrolysis activities of the Drosophila origin recognition complex. <i>Journal of Biological Chemistry</i> , 2005 , 280, 39740-51	5.4	27
10	DNA topology, not DNA sequence, is a critical determinant for Drosophila ORC-DNA binding. <i>EMBO Journal</i> , 2004 , 23, 897-907	13	189
9	Hitchhiking without covalent integration. <i>Cell</i> , 2004 , 117, 280-1	56.2	19
8	The genome sequence of Drosophila melanogaster. <i>Science</i> , 2000 , 287, 2185-95	33.3	4857
7	Crystal structure of the human papillomavirus type 18 E2 activation domain. <i>Science</i> , 1999 , 284, 1673-7	33.3	64
6	Distinct cytoplasmic and nuclear fractions of Drosophila heterochromatin protein 1: their phosphorylation levels and associations with origin recognition complex proteins. <i>Journal of Cell Biology</i> , 1998 , 142, 307-18	7.3	107
5	Association of the origin recognition complex with heterochromatin and HP1 in higher eukaryotes. <i>Cell</i> , 1997 , 91, 311-23	56.2	359
4	Activation of BPV-1 replication in vitro by the transcription factor E2. <i>Nature</i> , 1991 , 353, 628-32	50.4	277
3	Expression of enhanced levels of small RNA polymerase III transcripts encoded by the B2 repeats in simian virus 40-transformed mouse cells. <i>Nature</i> , 1985 , 314, 553-6	50.4	139
2	Inhibition of SV40 replication in simian cells by specific pBR322 DNA sequences. <i>Nature</i> , 1981 , 293, 79-81	50.4	688
1	A new class of disordered elements controls DNA replication through initiator self-assembly		1