

Karl E Duderstadt

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3007923/publications.pdf>

Version: 2024-02-01

18
papers

935
citations

759233

12
h-index

888059

17
g-index

22
all docs

22
docs citations

22
times ranked

936
citing authors

#	ARTICLE	IF	CITATIONS
1	Human NLRP1 is a sensor for double-stranded RNA. <i>Science</i> , 2021, 371, .	12.6	191
2	DNA stretching by bacterial initiators promotes replication origin opening. <i>Nature</i> , 2011, 478, 209-213.	27.8	172
3	Single-molecule visualization of fast polymerase turnover in the bacterial replisome. <i>ELife</i> , 2017, 6, .	6.0	107
4	Origin Remodeling and Opening in Bacteria Rely on Distinct Assembly States of the DnaA Initiator. <i>Journal of Biological Chemistry</i> , 2010, 285, 28229-28239.	3.4	78
5	Simultaneous Real-Time Imaging of Leading and Lagging Strand Synthesis Reveals the Coordination Dynamics of Single Replisomes. <i>Molecular Cell</i> , 2016, 64, 1035-1047.	9.7	63
6	MCM complexes are barriers that restrict cohesin-mediated loop extrusion. <i>Nature</i> , 2022, 606, 197-203.	27.8	58
7	A structural framework for replication origin opening by AAA+ initiation factors. <i>Current Opinion in Structural Biology</i> , 2013, 23, 144-153.	5.7	55
8	Stability versus exchange: a paradox in DNA replication. <i>Nucleic Acids Research</i> , 2016, 44, 4846-4854.	14.5	36
9	Multiplex flow magnetic tweezers reveal rare enzymatic events with single molecule precision. <i>Nature Communications</i> , 2020, 11, 4714.	12.8	32
10	Single-Molecule Observation of Prokaryotic DNA Replication. <i>Methods in Molecular Biology</i> , 2015, 1300, 219-238.	0.9	24
11	The fork protection complex recruits FACT to reorganize nucleosomes during replication. <i>Nucleic Acids Research</i> , 2022, 50, 1317-1334.	14.5	23
12	Replication-Fork Dynamics. <i>Cold Spring Harbor Perspectives in Biology</i> , 2014, 6, a010157-a010157.	5.5	22
13	Mobile origin-licensing factors confer resistance to conflicts with RNA polymerase. <i>Cell Reports</i> , 2022, 38, 110531.	6.4	17
14	Detection of kinetic change points in piece-wise linear single molecule motion. <i>Journal of Chemical Physics</i> , 2018, 148, 123317.	3.0	16
15	Noise in the Machine: Alternative Pathway Sampling is the Rule During DNA Replication. <i>BioEssays</i> , 2018, 40, 1700159.	2.5	15
16	Highly-Parallel Microfluidics-Based Force Spectroscopy on Single Cytoskeletal Motors. <i>Small</i> , 2021, 17, e2007388.	10.0	7
17	Plasticity of Multi-Protein Complexes. <i>Journal of Molecular Biology</i> , 2018, 430, 4441-4442.	4.2	3
18	How to Follow a Traveler with a Brownian Swagger. <i>Biophysical Journal</i> , 2018, 115, 165-166.	0.5	0