

Karl E Duderstadt

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.

20 papers	559 citations	11 h-index	22 g-index
22 ext. papers	776 ext. citations	14.9 avg, IF	4.34 L-index

#	Paper	IF	Citations
20	DNA stretching by bacterial initiators promotes replication origin opening. <i>Nature</i> , 2011 , 478, 209-13	50.4	144
19	Single-molecule visualization of fast polymerase turnover in the bacterial replisome. <i>ELife</i> , 2017 , 6,	8.9	80
18	Human NLRP1 is a sensor for double-stranded RNA. <i>Science</i> , 2021 , 371,	33.3	67
17	Origin remodeling and opening in bacteria rely on distinct assembly states of the DnaA initiator. <i>Journal of Biological Chemistry</i> , 2010 , 285, 28229-39	5.4	61
16	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	17.6	49
15	A structural framework for replication origin opening by AAA+ initiation factors. <i>Current Opinion in Structural Biology</i> , 2013 , 23, 144-53	8.1	38
14	Stability versus exchange: a paradox in DNA replication. <i>Nucleic Acids Research</i> , 2016 , 44, 4846-54	20.1	26
13	Replication-fork dynamics. <i>Cold Spring Harbor Perspectives in Biology</i> , 2014 , 6,	10.2	20
12	Single-molecule observation of prokaryotic DNA replication. <i>Methods in Molecular Biology</i> , 2015 , 1300, 219-38	1.4	14
11	Multiplex flow magnetic tweezers reveal rare enzymatic events with single molecule precision. <i>Nature Communications</i> , 2020 , 11, 4714	17.4	12
10	Noise in the Machine: Alternative Pathway Sampling is the Rule During DNA Replication. <i>BioEssays</i> , 2018 , 40, 1700159	4.1	11
9	Detection of kinetic change points in piece-wise linear single molecule motion. <i>Journal of Chemical Physics</i> , 2018 , 148, 123317	3.9	11
8	MCM complexes are barriers that restrict cohesin-mediated loop extrusion.. <i>Nature</i> , 2022 ,	50.4	9
7	MCM complexes are barriers that restrict cohesin-mediated loop extrusion		5
6	The fork protection complex recruits FACT to reorganize nucleosomes during replication.. <i>Nucleic Acids Research</i> , 2022 ,	20.1	3
5	Mobile origin-licensing factors confer resistance to conflicts with RNA polymerase.. <i>Cell Reports</i> , 2022 , 38, 110531	10.6	3
4	Mars, a molecule archive suite for reproducible analysis and reporting of single molecule properties from bioimages		1

3	Highly-parallel microfluidics-based force spectroscopy on single cytoskeletal motors	1
2	Highly-Parallel Microfluidics-Based Force Spectroscopy on Single Cytoskeletal Motors. <i>Small</i> , 2021 , 17, e2007388	11 1
1	How to Follow a Traveler with a Brownian Swagger. <i>Biophysical Journal</i> , 2018 , 115, 165-166	2.9