

James E Kath

List of Publications by Year in descending order

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Version: 2024-02-01

9
papers

287
citations

1163117
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11
all docs

11
docs citations

11
times ranked

356
citing authors

#	ARTICLE	IF	CITATIONS
1	Polymerase exchange on single DNA molecules reveals processivity clamp control of translesion synthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 7647-7652.	7.1	76
2	A cell-free platform for rapid synthesis and testing of active oligosaccharyltransferases. <i>Biotechnology and Bioengineering</i> , 2018, 115, 739-750.	3.3	67
3	Exchange between <i>Escherichia coli</i> polymerases II and III on a processivity clamp. <i>Nucleic Acids Research</i> , 2016, 44, 1681-1690.	14.5	32
4	Single-molecule imaging reveals multiple pathways for the recruitment of translesion polymerases after DNA damage. <i>Nature Communications</i> , 2017, 8, 2170.	12.8	29
5	A Genetic Selection for <i>dinB</i> Mutants Reveals an Interaction between DNA Polymerase IV and the Replicative Polymerase That Is Required for Translesion Synthesis. <i>PLoS Genetics</i> , 2015, 11, e1005507.	3.5	26
6	Remote control of DNA-acting enzymes by varying the Brownian dynamics of a distant DNA end. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 16546-16551.	7.1	25
7	A gatekeeping function of the replicative polymerase controls pathway choice in the resolution of lesion-stalled replisomes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 25591-25601.	7.1	17
8	Characterizing and Controlling Nanoscale Self-Assembly of Suckerin-12. <i>ACS Synthetic Biology</i> , 2020, 9, 3388-3399.	3.8	10
9	Target engagement approaches for pharmacological evaluation in animal models. <i>Chemical Communications</i> , 2019, 55, 9241-9250.	4.1	5