

# In-Kwon Kim

## List of Publications by Year in descending order

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Version: 2024-02-01

18  
papers

492  
citations

840776

11  
h-index

888059

17  
g-index

18  
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18  
docs citations

18  
times ranked

672  
citing authors

#	ARTICLE	IF	CITATIONS
1	Human DNA Ligase III Recognizes DNA Ends by Dynamic Switching between Two DNA-Bound States. <i>Biochemistry</i> , 2010, 49, 6165-6176.	2.5	90
2	Selective small molecule PARC inhibitor causes replication fork stalling and cancer cell death. <i>Nature Communications</i> , 2019, 10, 5654.	12.8	75
3	Structure of mammalian poly(ADP-ribose) glycohydrolase reveals a flexible tyrosine clasp as a substrate-binding element. <i>Nature Structural and Molecular Biology</i> , 2012, 19, 653-656.	8.2	60
4	Two DNA-binding and Nick Recognition Modules in Human DNA Ligase III. <i>Journal of Biological Chemistry</i> , 2008, 283, 10764-10772.	3.4	49
5	A Quantitative Assay Reveals Ligand Specificity of the DNA Scaffold Repair Protein XRCC1 and Efficient Disassembly of Complexes of XRCC1 and the Poly(ADP-ribose) Polymerase 1 by Poly(ADP-ribose) Glycohydrolase. <i>Journal of Biological Chemistry</i> , 2015, 290, 3775-3783.	3.4	49
6	Structure of human ADP-ribosyl-acceptor hydrolase 3 bound to ADP-ribose reveals a conformational switch that enables specific substrate recognition. <i>Journal of Biological Chemistry</i> , 2018, 293, 12350-12359.	3.4	27
7	Human DNA ligase III bridges two DNA ends to promote specific intermolecular DNA end joining. <i>Nucleic Acids Research</i> , 2015, 43, 7021-7031.	14.5	25
8	14-3-3 Proteins Restrain the Exo1 Nuclease to Prevent Overresection. <i>Journal of Biological Chemistry</i> , 2015, 290, 12300-12312.	3.4	23
9	An atypical BRCT <sup>2</sup> BRCT interaction with the XRCC1 scaffold protein compacts human DNA Ligase III <sup>±</sup> within a flexible DNA repair complex. <i>Nucleic Acids Research</i> , 2021, 49, 306-321.	14.5	21
10	Poly(ADP-ribose)-binding promotes Exo1 damage recruitment and suppresses its nuclease activities. <i>DNA Repair</i> , 2015, 35, 106-115.	2.8	19
11	Androgen signaling uses a writer and a reader of ADP-ribosylation to regulate protein complex assembly. <i>Nature Communications</i> , 2021, 12, 2705.	12.8	15
12	Reconstitution and functional characterization of SARS-CoV-2 proofreading complex. <i>Protein Expression and Purification</i> , 2021, 185, 105894.	1.3	13
13	PARC has a robust endo-glycohydrolase activity that releases protein-free poly(ADP-ribose) chains. <i>Biochemical and Biophysical Research Communications</i> , 2020, 527, 818-823.	2.1	13
14	Selective monitoring of the protein-free ADP-ribose released by ADP-ribosylation reversal enzymes. <i>PLoS ONE</i> , 2021, 16, e0254022.	2.5	6
15	An efficient chemical screening method for structure-based inhibitors to nucleic acid enzymes targeting the DNA repair-replication interface and SARS CoV-2. <i>Methods in Enzymology</i> , 2021, 661, 407-431.	1.0	4
16	An efficient chemical screening method for structure-based inhibitors to nucleic acid enzymes targeting the DNA repair-replication interface and SARS CoV-2. <i>Methods in Enzymology</i> , 2021, 661, 407-431.	1.0	2
17	Structural and biochemical analysis of human ADP-ribosyl-acceptor hydrolase 3 reveals the basis of metal selectivity and different roles for the two magnesium ions. <i>Journal of Biological Chemistry</i> , 2021, 296, 100692.	3.4	1
18	Structure-based inhibitors of DNA repair. <i>FASEB Journal</i> , 2008, 22, 526.1.	0.5	0