

# Jungwook Kim

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

806  
citations

516710

16  
h-index

552781

26  
g-index

27  
all docs

27  
docs citations

27  
times ranked

1172  
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural and functional characterization of TrmM in m <sup>6</sup> A modification of bacterial tRNA. <i>Protein Science</i> , 2022, 31, e4319.	7.6	2
2	Structural snapshots of CmoB in various states during wobble uridine modification of tRNA. <i>Biochemical and Biophysical Research Communications</i> , 2021, 534, 604-609.	2.1	2
3	Structural insights into phosphatidylethanolamine formation in bacterial membrane biogenesis. <i>Scientific Reports</i> , 2021, 11, 5785.	3.3	19
4	Unique anticodon loop conformation with the flipped-out wobble nucleotide in the crystal structure of unbound tRNA <sup>Val</sup> . <i>Rna</i> , 2021, 27, 1330-1338.	3.5	1
5	Structural basis for the inhibition of PDK2 by novel ATP- and lipoyl-binding site targeting compounds. <i>Biochemical and Biophysical Research Communications</i> , 2020, 527, 778-784.	2.1	2
6	Structural and biochemical characterization of Rv0187, an O-methyltransferase from <i>Mycobacterium tuberculosis</i> . <i>Scientific Reports</i> , 2019, 9, 8059.	3.3	17
7	Identification of a novel tRNA wobble uridine modifying activity in the biosynthesis of 5-methoxyuridine. <i>Nucleic Acids Research</i> , 2018, 46, 9160-9169.	14.5	13
8	Determinants of the CmoB carboxymethyl transferase utilized for selective tRNA wobble modification. <i>Nucleic Acids Research</i> , 2015, 43, 4602-4613.	14.5	23
9	Experimental Strategies for Functional Annotation and Metabolism Discovery: Targeted Screening of Solute Binding Proteins and Unbiased Panning of Metabolomes. <i>Biochemistry</i> , 2015, 54, 909-931.	2.5	95
10	Large-Scale Determination of Sequence, Structure, and Function Relationships in Cytosolic Glutathione Transferases across the Biosphere. <i>PLoS Biology</i> , 2014, 12, e1001843.	5.6	79
11	Global structures of IgG isotypes expressing identical variable regions. <i>Molecular Immunology</i> , 2013, 56, 588-598.	2.2	28
12	Structural basis for hypermodification of the wobble uridine in tRNA by bifunctional enzyme MnmC. <i>BMC Structural Biology</i> , 2013, 13, 5.	2.3	13
13	Structure-Guided Discovery of New Deaminase Enzymes. <i>Journal of the American Chemical Society</i> , 2013, 135, 13927-13933.	13.7	16
14	The Gate That Governs Sulfotransferase Selectivity. <i>Biochemistry</i> , 2013, 52, 415-424.	2.5	64
15	Structure-guided discovery of the metabolite carboxy-SAM that modulates tRNA function. <i>Nature</i> , 2013, 498, 123-126.	27.8	84
16	Testing the Sulfotransferase Molecular Pore Hypothesis. <i>Journal of Biological Chemistry</i> , 2013, 288, 8619-8626.	3.4	27
17	Structural Determinants for the Stereoselective Hydrolysis of Chiral Substrates by Phosphotriesterase. <i>Biochemistry</i> , 2010, 49, 7988-7997.	2.5	25
18	Structure of Diethyl Phosphate Bound to the Binuclear Metal Center of Phosphotriesterase. <i>Biochemistry</i> , 2008, 47, 9497-9504.	2.5	67

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19	Structural and Kinetic Characterization of <i>Escherichia coli</i> TadA, the Wobble-Specific tRNA Deaminase. <i>Biochemistry</i> , 2006, 45, 6407-6416.	2.5	72
20	Long-range allosteric transitions in carbamoyl phosphate synthetase. <i>Protein Science</i> , 2004, 13, 2398-2405.	7.6	19
21	Perforation of the Tunnel Wall in Carbamoyl Phosphate Synthetase Derails the Passage of Ammonia between Sequential Active Sites. <i>Biochemistry</i> , 2004, 43, 5334-5340.	2.5	23
22	Access to the carbamate tunnel of carbamoyl phosphate synthetase. <i>Archives of Biochemistry and Biophysics</i> , 2004, 425, 33-41.	3.0	19
23	The catalytic mechanism of galactose mutarotase. <i>Protein Science</i> , 2003, 12, 1051-1059.	7.6	34
24	Structural and Kinetic Studies of Sugar Binding to Galactose Mutarotase from <i>Lactococcus lactis</i> . <i>Journal of Biological Chemistry</i> , 2002, 277, 45458-45465.	3.4	28
25	Structural Defects within the Carbamate Tunnel of Carbamoyl Phosphate Synthetase. <i>Biochemistry</i> , 2002, 41, 12575-12581.	2.5	10
26	Allosteric Control of the Oligomerization of Carbamoyl Phosphate Synthetase from <i>Escherichia coli</i> . <i>Biochemistry</i> , 2001, 40, 11030-11036.	2.5	24