

# Karsten Theis

## List of Publications by Year in descending order

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20  
papers

912  
citations

759190

12  
h-index

839512

18  
g-index

20  
all docs

20  
docs citations

20  
times ranked

847  
citing authors

#	ARTICLE	IF	CITATIONS
1	Crystal Structures of the Active and Alloxanthine-Inhibited Forms of Xanthine Dehydrogenase from <i>Rhodobacter capsulatus</i> . <i>Structure</i> , 2002, 10, 115-125.	3.3	193
2	Crystal Structure and Deletion Analysis Show that the Accessory Subunit of Mammalian DNA Polymerase $\beta$ , Pol $\beta$ , Functions as a Homodimer. <i>Molecular Cell</i> , 2001, 7, 43-54.	9.7	135
3	The Crystal Structure of Plant Sulfite Oxidase Provides Insights into Sulfite Oxidation in Plants and Animals. <i>Structure</i> , 2003, 11, 1251-1263.	3.3	134
4	The $\beta$ -Hairpin Motif of UvrB Is Essential for DNA Binding, Damage Processing, and UvrC-mediated Incisions. <i>Journal of Biological Chemistry</i> , 2002, 277, 1553-1559.	3.4	94
5	Crystal Structure of <i>Mycobacterium tuberculosis</i> MenB, a Key Enzyme in Vitamin K2 Biosynthesis. <i>Journal of Biological Chemistry</i> , 2003, 278, 42352-42360.	3.4	86
6	The nucleotide excision repair protein UvrB, a helicase-like enzyme with a catch. <i>Mutation Research DNA Repair</i> , 2000, 460, 277-300.	3.7	67
7	Interactions between UvrA and UvrB: the role of UvrB's domain 2 in nucleotide excision repair. <i>EMBO Journal</i> , 2004, 23, 2498-2509.	7.8	61
8	Identification of Residues within UvrB That Are Important for Efficient DNA Binding and Damage Processing. <i>Journal of Biological Chemistry</i> , 2004, 279, 51574-51580.	3.4	37
9	An N-terminal clamp restrains the motor domains of the bacterial transcription-repair coupling factor Mfd. <i>Nucleic Acids Research</i> , 2009, 37, 6042-6053.	14.5	33
10	Topological and Conformational Analysis of the Initiation and Elongation Complex of T7 RNA Polymerase Suggests a New Twist. <i>Biochemistry</i> , 2004, 43, 12709-12715.	2.5	22
11	Structure and Function in Promoter Escape by T7 RNA Polymerase. <i>Progress in Molecular Biology and Translational Science</i> , 2005, 80, 323-347.	1.9	15
12	Determination of backbone nitrogen-nitrogen J correlations in proteins. <i>Journal of Biomolecular NMR</i> , 1997, 10, 403-408.	2.8	14
13	Twisted or Shifted? Fluorescence Measurements of Late Intermediates in Transcription Initiation by T7 RNA Polymerase. <i>Biochemistry</i> , 2007, 46, 6165-6168.	2.5	9
14	PQtutor, a quasi-intelligent tutoring system for quantitative problems in General Chemistry. <i>Chemistry Teacher International</i> , 2019, .	1.7	5
15	A practical guide to teaching with Proteopedia. <i>Biochemistry and Molecular Biology Education</i> , 2021, 49, 707-719.	1.2	3
16	One-way traffic control in replication termination. <i>Nature Chemical Biology</i> , 2006, 2, 455-456.	8.0	2
17	Snapshots of a viral RNA polymerase switching gears from transcription initiation to elongation. <i>Virologica Sinica</i> , 2013, 28, 337-344.	3.0	1
18	PQcalc, an Online Calculator for Science Learners. <i>Journal of Chemical Education</i> , 2015, 92, 1953-1955.	2.3	1

#	ARTICLE	IF	CITATIONS
19	Sequence Analysis of Fis Binding Sites Obtained by in Vitro Selection. Nucleosides & Nucleotides, 1997, 16, 579-584.	0.5	0
20	Closed for business: exit-channel coupling to active site conformation in bacterial RNA polymerase. Nature Structural and Molecular Biology, 2014, 21, 741-742.	8.2	0