

# Christopher D Thomas

## List of Publications by Year in descending order

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23  
papers

1,262  
citations

759233

12  
h-index

713466

21  
g-index

25  
all docs

25  
docs citations

25  
times ranked

1323  
citing authors

#	ARTICLE	IF	CITATIONS
1	Solving the structure of human H ferritin by genetically engineering intermolecular crystal contacts. <i>Nature</i> , 1991, 349, 541-544.	27.8	758
2	Engineering of a superhelicase through conformational control. <i>Science</i> , 2015, 348, 344-347.	12.6	88
3	Plasmid replication initiator protein RepD increases the processivity of PcrA DNA helicase. <i>Nucleic Acids Research</i> , 1999, 27, 1421-1428.	14.5	70
4	Directional Loading and Stimulation of PcrA Helicase by the Replication Initiator Protein RepD. <i>Journal of Molecular Biology</i> , 2007, 371, 336-348.	4.2	47
5	An Accessory Protein Is Required for Relaxosome Formation by Small Staphylococcal Plasmids. <i>Journal of Bacteriology</i> , 2004, 186, 3363-3373.	2.2	46
6	PcrA Helicase Tightly Couples ATP Hydrolysis to Unwinding Double-Stranded DNA, Modulated by the Initiator Protein for Plasmid Replication, RepD. <i>Biochemistry</i> , 2009, 48, 6326-6334.	2.5	42
7	Determination of Sequence Specificity between a Plasmid Replication Initiator Protein and the Origin of Replication. <i>Journal of Molecular Biology</i> , 1995, 254, 381-391.	4.2	36
8	Investigating the basis of substrate recognition in the pC221 relaxosome. <i>Molecular Microbiology</i> , 2006, 60, 1302-1318.	2.5	32
9	Reconstitution of a Staphylococcal Plasmid-Protein Relaxation Complex In Vitro. <i>Journal of Bacteriology</i> , 2004, 186, 3374-3383.	2.2	30
10	Identification of the tyrosine residue involved in bond formation between replication origin and initiator protein of plasmid pC221. <i>Biochemical Society Transactions</i> , 1988, 16, 758-759.	3.4	25
11	Structures of replication initiation proteins from staphylococcal antibiotic resistance plasmids reveal protein asymmetry and flexibility are necessary for replication. <i>Nucleic Acids Research</i> , 2016, 44, 2417-2428.	14.5	22
12	Expression and purification of the rat liver ferritin light chain after cloning in <i>Escherichia coli</i> . <i>Biochemical Society Transactions</i> , 1988, 16, 838-839.	3.4	14
13	RepD-mediated recruitment of PcrA helicase at the <i>Staphylococcus aureus</i> pC221 plasmid replication origin, oriD. <i>Nucleic Acids Research</i> , 2010, 38, 1874-1888.	14.5	13
14	Controlled high-level expression of the lon gene of <i>Escherichia coli</i> allows overproduction of Lon protease. <i>Gene</i> , 1993, 136, 237-242.	2.2	11
15	Spontaneous condensation in DNA-polystyrene- b-poly(l-lysine) polyelectrolyte block copolymer mixtures. <i>European Physical Journal E</i> , 2006, 20, 1-6.	1.6	10
16	RepD/D*: A protein-DNA adduct arising during plasmid replication. <i>Biochemical Society Transactions</i> , 1995, 23, 442S-442S.	3.4	7
17	Crystallization and preliminary X-ray diffraction analysis of two N-terminal fragments of the DNA-cleavage domain of topoisomerase IV from <i>Staphylococcus aureus</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2006, 62, 1164-1167.	0.7	6
18	Crystallization and preliminary X-ray crystallographic studies of RepDC, a hybrid rolling-circle plasmid replication initiator protein. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 1999, 55, 1076-1078.	2.5	2

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19	REP D, a sequence-specific nicking/closing enzyme required <i>in trans</i> for the replication of staphylococcal plasmid pC221. Biochemical Society Transactions, 1987, 15, 907-908.	3.4	1
20	116 A novel role for the Inverted Complementary Repeat. Biochemical Society Transactions, 1997, 25, S648-S648.	3.4	1
21	Identification, characterization and preliminary X-ray diffraction analysis of the rolling-circle replication initiator protein from plasmid pSTK1. Acta Crystallographica Section F: Structural Biology Communications, 2013, 69, 1123-1126.	0.7	1
22	RELAXATION OF pC221: PROTEIN REQUIREMENTS AND PLASMID SPECIFICITY. Biochemical Society Transactions, 2000, 28, A95-A95.	3.4	0
23	Structural Studies of Rolling Circle Replication Initiator Proteins. Biophysical Journal, 2013, 104, 73a-74a.	0.5	0