Nicholas E Dixon

List of Publications by Year
in descending order

200 papers	11,029 citations	23567 58 h-index	40979 93 g-index
217 all docs	217 docs citations	217 times ranked	8104 citing authors

#	Article	IF	Citations
1	Production of long linear DNA substrates with site-specific chemical lesions for single-molecule replisome studies. Methods in Enzymology, 2022, , 299-315.	1.0	2
2	Mechanism of transcription modulation by the transcription-repair coupling factor. Nucleic Acids Research, 2022, 50, 5688-5712.	14.5	6
3	DnaB helicase dynamics in bacterial DNA replication resolved by single-molecule studies. Nucleic Acids Research, 2021, 49, 6804-6816.	14.5	18
4	Single-Molecule Insights Into the Dynamics of Replicative Helicases. Frontiers in Molecular Biosciences, 2021, 8, 741718.	3.5	5
5	Multiple classes and isoforms of the RNA polymerase recycling motor protein HelD. MicrobiologyOpen, 2021, 10, e1251.	3.0	1
6	Genetic Encoding of <i>para</i>-Pentafluorosulfanyl Phenylalanine: A Highly Hydrophobic and Strongly Electronegative Group for Stable Protein Interactions. Journal of the American Chemical Society, 2020, 142, 17277-17281.	13.7	22
7	A Primase-Induced Conformational Switch Controls the Stability of the Bacterial Replisome. Molecular Cell, 2020, 79, 140-154.e7.	9.7	18
8	Development of a single-stranded DNA-binding protein fluorescent fusion toolbox. Nucleic Acids Research, 2020, 48, 6053-6067.	14.5	16
9	Recycling of single-stranded DNA-binding protein by the bacterial replisome. Nucleic Acids Research, 2019, 47, 4111-4123.	14.5	51
10	Nuclease dead Cas9 is a programmable roadblock for DNA replication. Scientific Reports, 2019, 9, 13292.	3.3	45
11	A gatekeeping function of the replicative polymerase controls pathway choice in the resolution of lesion-stalled replisomes. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 25591-25601.	7.1	17
12	Dynamics of Proofreading by the E.Âcoli Pol III Replicase. Cell Chemical Biology, 2018, 25, 57-66.e4.	5.2	13
13	What is all this fuss about Tus? Comparison of recent findings from biophysical and biochemical experiments. Critical Reviews in Biochemistry and Molecular Biology, 2018, 53, 49-63.	5.2	13
14	Bacterial replisomes. Current Opinion in Structural Biology, 2018, 53, 159-168.	5.7	32
15	Structure-activity relationships of pyrazole-4-carbodithioates as antibacterials against methicillinâ€“resistant Staphylococcus aureus. Bioorganic and Medicinal Chemistry Letters, 2018, 28, 3526-3528.	2.2	10
16	Crystal structures and biochemical characterization of DNA sliding clamps from three Gram-negative bacterial pathogens. Journal of Structural Biology, 2018, 204, 396-405.	2.8	6
17	Rational Design of a 310 -Helical PIP-Box Mimetic Targeting PCNA, the Human Sliding Clamp. Chemistry - A European Journal, 2018, 24, 11238-11238.	3.3	0
18	Design of DNA rolling-circle templates with controlled fork topology to study mechanisms of DNA replication. Analytical Biochemistry, 2018, 557, 42-45.	2.4	19

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19	Fragment-Based Discovery of Inhibitors of the Bacterial DnaG-SSB Interaction. Antibiotics, 2018, 7, 14.	3.7	14
20	Rational Design of a 3₁₀â€Helical PIPâ€Box Mimetic Targeting PCNA, the Human Sliding Clamp. Chemistry - A European Journal, 2018, 24, 11325-11331.	3.3	16
21	Single-molecule visualization of fast polymerase turnover in the bacterial replisome. ELife, 2017, 6, .	6.0	107
22	Frontispiz: Zuordnung der RÃ¼ckgrat- und Seitenketten-Protonen in vollstÃndig protonierten Proteinen durch FestkÃ¶rper-NMR-Spektroskopie: Mikrokristalle, Sedimente und Amyloidfibrillen. Angewandte Chemie, 2016, 128, .	2.0	0
23	Frontispiece: NMR Spectroscopic Assignment of Backbone and Side-Chain Protons in Fully Protonated Proteins: Microcrystals, Sedimented Assemblies, and Amyloid Fibrils. Angewandte Chemie - International Edition, 2016, 55, .	13.8	2
24	NMR Spectroscopic Assignment of Backbone and Sideâ€Chain Protons in Fully Protonated Proteins: Microcrystals, Sedimented Assemblies, and Amyloid Fibrils. Angewandte Chemie - International Edition, 2016, 55, 15504-15509.	13.8	116
25	Zuordnung der RÃ¼ckgratâ€•und Seitenkettenâ€Protonen in vollstÃndig protonierten Proteinen durch FestkÃ¶rperâ€NMRâ€Spektroskopie: Mikrokristalle, Sedimente und Amyloidfibrillen. Angewandte Chemie, 2016, 128, 15730-15735.	2.0	18
26	Weak and Transient Protein Interactions Determined by Solidâ€State NMR. Angewandte Chemie - International Edition, 2016, 55, 6638-6641.	13.8	28
27	The E. coli DNA Replication Fork. The Enzymes, 2016, 39, 31-88.	1.7	65
28	Weak and Transient Protein Interactions Determined by Solidâ€State NMR. Angewandte Chemie, 2016, 128, 6750-6753.	2.0	14
29	Exchange between<i>Escherichia coli</i>polymerases II and III on a processivity clamp. Nucleic Acids Research, 2016, 44, 1681-1690.	14.5	32
30	Two mechanisms coordinate replication termination by the<i>Escherichia coli</i>Tusâ€“<i>Ter</i>complex. Nucleic Acids Research, 2015, 43, 5924-5935.	14.5	18
31	Probing molecular choreography through single-molecule biochemistry. Nature Structural and Molecular Biology, 2015, 22, 948-952.	8.2	26
32	Roquin binds microRNA-146a and Argonaute2 to regulate microRNA homeostasis. Nature Communications, 2015, 6, 6253.	12.8	59
33	Bacterial Sliding Clamp Inhibitors that Mimic the Sequential Binding Mechanism of Endogenous Linear Motifs. Journal of Medicinal Chemistry, 2015, 58, 4693-4702.	6.4	28
34	Protein residue linking in a single spectrum for magic-angle spinning NMR assignment. Journal of Biomolecular NMR, 2015, 62, 253-261.	2.8	44
35	Strand separation establishes a sustained lock at the Tusâ€“Ter replication fork barrier. Nature Chemical Biology, 2015, 11, 579-585.	8.0	38
36	Replisome speed determines the efficiency of the Tusâˆ’Ter replication termination barrier. Nature, 2015, 525, 394-398.	27.8	42

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37	An investigation into the interactions of gold nanoparticles and anti-arthritic drugs with macrophages, and their reactivity towards thioredoxin reductase. Journal of Inorganic Biochemistry, 2015, 142, 28-38.	3.5	42
38	Structure and function of a spectrin-like regulator of bacterial cytokinesis. Nature Communications, 2014, 5, 5421.	12.8	41
39	Loading Dynamics of a Sliding DNA Clamp. Angewandte Chemie - International Edition, 2014, 53, 6768-6771.	13.8	14
40	Polymerase exchange on single DNA molecules reveals processivity clamp control of translesion synthesis. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 7647-7652.	7.1	76
41	Intramolecular binding mode of the C-terminus of<i>Escherichia coli</i>single-stranded DNA binding protein determined by nuclear magnetic resonance spectroscopy. Nucleic Acids Research, 2014, 42, 2750-2757.	14.5	36
42	<scp>AtfA</scp>, a new factor in global regulation of transcription in <scp><i>A</i></scp><i>cinetobacter</i> spp. Molecular Microbiology, 2014, 93, 1130-1143.	2.5	6
43	Discovery of Lead Compounds Targeting the Bacterial Sliding Clamp Using a Fragment-Based Approach. Journal of Medicinal Chemistry, 2014, 57, 2799-2806.	6.4	49
44	Bound or Free: Interaction of the C-Terminal Domain ofEscherichia coliSingle-Stranded DNA-Binding Protein (SSB) with the Tetrameric Core of SSB. Biochemistry, 2014, 53, 1925-1934.	2.5	52
45	Roadblocks on the E.Coli Genome: The Workings of a Molecular Mouse Trap at the Single-Molecule Level. Biophysical Journal, 2014, 106, 230a.	0.5	0
46	DNA Replication Is the Target for the Antibacterial Effects of Nonsteroidal Anti-Inflammatory Drugs. Chemistry and Biology, 2014, 21, 481-487.	6.0	102
47	<i>Escherichia coli</i> Single-Stranded DNA-Binding Protein: NanoESI-MS Studies of Salt-Modulated Subunit Exchange and DNA Binding Transactions. Journal of the American Society for Mass Spectrometry, 2013, 24, 274-285.	2.8	34
48	A direct proofreaderâ€“clamp interaction stabilizes the Pol III replicase in the polymerization mode. EMBO Journal, 2013, 32, 1322-1333.	7.8	85
49	Replicative DNA Polymerases. Cold Spring Harbor Perspectives in Biology, 2013, 5, a012799-a012799.	5.5	92
50	Proofreading exonuclease on a tether: the complex between the E. coli DNA polymerase III subunits Î±, Îµ, Î¸ and Î² reveals a highly flexible arrangement of the proofreading domain. Nucleic Acids Research, 2013, 41, 5354-5367.	14.5	34
51	Characterization of Cleavage Events in the Multifunctional Cilium Adhesin Mhp684 (P146) Reveals a Mechanism by Which Mycoplasma hyopneumoniae Regulates Surface Topography. MBio, 2012, 3, .	4.1	54
52	Architecture and Conservation of the Bacterial DNA Replication Machinery, an Underexploited Drug Target. Current Drug Targets, 2012, 13, 352-372.	2.1	104
53	Backbone Assignment of Fully Protonated Solid Proteins by ¹H Detection and Ultrafast Magicâ€Angleâ€Spinning NMR Spectroscopy. Angewandte Chemie - International Edition, 2012, 51, 10756-10759.	13.8	95
54	High-yield cell-free protein synthesis for site-specific incorporation of unnatural amino acids at two sites. Biochemical and Biophysical Research Communications, 2012, 418, 652-656.	2.1	49

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55	Priming the Engine of DNA Synthesis. Structure, 2012, 20, 1447-1448.	3.3	1
56	Mhp182 (P102) binds fibronectin and contributes to the recruitment of plasmin(ogen) to the Mycoplasma hyopneumoniae cell surface. Cellular Microbiology, 2012, 14, 81-94.	2.1	76
57	A New Role for the Proofreader in Bacterial DNA Replication. FASEB Journal, 2012, 26, 739.4.	0.5	0
58	Binding Inhibitors of the Bacterial Sliding Clamp by Design. Journal of Medicinal Chemistry, 2011, 54, 4831-4838.	6.4	38
59	Incorporation of chlorinated analogues of aliphatic amino acids during cell-free protein synthesis. Chemical Communications, 2011, 47, 1839-1841.	4.1	14
60	<i>E. coli</i>DNA replication in the absence of free Î² clamps. EMBO Journal, 2011, 30, 1830-1840.	7.8	42
61	Improving a Natural Enzyme Activity through Incorporation of Unnatural Amino Acids. Journal of the American Chemical Society, 2011, 133, 326-333.	13.7	77
62	EX1 hydrogenâ€“deuterium exchange in an all-helical protein and its cyclized derivative at neutral pH. International Journal of Mass Spectrometry, 2011, 302, 149-156.	1.5	0
63	Mhp107 Is a Member of the Multifunctional Adhesin Family of Mycoplasma hyopneumoniae. Journal of Biological Chemistry, 2011, 286, 10097-10104.	3.4	46
64	A Single Subunit Directs the Assembly of the Escherichia coli DNA Sliding Clamp Loader. Structure, 2010, 18, 285-292.	3.3	20
65	Chaperonin-encapsulation of proteins for NMR. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2010, 1804, 866-871.	2.3	10
66	The ROQUIN family of proteins localizes to stress granules via the ROQ domain and binds target mRNAs. FEBS Journal, 2010, 277, 2109-2127.	4.7	69
67	Repeat regions R1 and R2 in the P97 paralogue Mhp271 of <i>Mycoplasma hyopneumoniae</i> bind heparin, fibronectin and porcine cilia. Molecular Microbiology, 2010, 78, 444-458.	2.5	74
68	2P001 1F1450 A cell-free system for highly efficient incorporation of unnatural amino acids for studies of protein-protein interactions(The 48th Annual Meeting of the Biophysical Society of Japan). Seibutsu Butsuri, 2010, 50, S82.	0.1	0
69	A Processed Multidomain Mycoplasma hyopneumoniae Adhesin Binds Fibronectin, Plasminogen, and Swine Respiratory Cilia. Journal of Biological Chemistry, 2010, 285, 33971-33978.	3.4	77
70	Essential Biological Processes of an Emerging Pathogen: DNA Replication, Transcription, and Cell Division in <i>Acinetobacter</i> spp. Microbiology and Molecular Biology Reviews, 2010, 74, 273-297.	6.6	68
71	Nanometer-Scale Distance Measurements in Proteins Using Gd³⁺ Spin Labeling. Journal of the American Chemical Society, 2010, 132, 9040-9048.	13.7	143
72	Ultrasensitive detection of antibodies using a new Tusâ€“Ter-lock immunoPCR system. Molecular BioSystems, 2010, 6, 1173.	2.9	27

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73	Subunit exchange and DNAâ€binding dynamics of Escherichia coli singleâ€stranded DNA binding protein (SSB). FASEB Journal, 2010, 24, .	0.5	0
74	Synthesis and Applications of Covalent Protein-DNA Conjugates. Australian Journal of Chemistry, 2009, 62, 1328.	0.9	9
75	A novel zinc-binding fold in the helicase interaction domain of the Bacillus subtilis DnaI helicase loader. Nucleic Acids Research, 2009, 37, 2395-2404.	14.5	16
76	Defining the Structural Basis of Human Plasminogen Binding by Streptococcal Surface Enolase. Journal of Biological Chemistry, 2009, 284, 17129-17137.	3.4	61
77	Real-time single-molecule observation of rolling-circle DNA replication. Nucleic Acids Research, 2009, 37, e27-e27.	14.5	102
78	Prime-time looping. Nature, 2009, 462, 854-855.	27.8	15
79	Cell-free synthesis and combinatorial selective 15N-labeling of the cytotoxic protein amoebapore A from Entamoeba histolytica. Protein Expression and Purification, 2009, 68, 22-27.	1.3	18
80	Site-specific covalent attachment of DNA to proteins using a photoactivatable Tusâ€"Ter complex. Chemical Communications, 2009, , 3050.	4.1	25
81	Application of electrospray ionization mass spectrometry to study the hydrophobic interaction between the Îµ and Î¸ subunits of DNA polymerase III. Protein Science, 2008, 13, 2878-2887.	7.6	24
82	Single-molecule studies of fork dynamics in Escherichia coli DNA replication. Nature Structural and Molecular Biology, 2008, 15, 170-176.	8.2	136
83	Hydrolysis of the 5â€²-p-nitrophenyl ester of TMP by oligoribonucleases (ORN) from Escherichia coli, Mycobacterium smegmatis, and human. Protein Expression and Purification, 2008, 57, 180-187.	1.3	10
84	Characterization of Gibberellin Receptor Mutants of Barley (Hordeum vulgare L.). Molecular Plant, 2008, 1, 285-294.	8.3	47
85	The proofreading exonuclease subunit Îµ of Escherichia coli DNA polymerase III is tethered to the polymerase subunit Î± via a flexible linker. Nucleic Acids Research, 2008, 36, 5074-5082.	14.5	27
86	Cell-Free Protein Synthesis for Analysis by NMR Spectroscopy. Methods in Molecular Biology, 2008, 426, 257-268.	0.9	60
87	Mechanistic Aspects of Termination of E. coli DNA Replication. FASEB Journal, 2008, 22, 111.3.	0.5	0
88	Introduction to Trifluoromethanesulfonates and Trifluoromethanesulfonato-O Complexes. Inorganic Syntheses, 2007, , 243-250.	0.3	12
89	The unstructured C-terminus of the Ï„ subunit of Escherichia coli DNA polymerase III holoenzyme is the site of interaction with the Î± subunit. Nucleic Acids Research, 2007, 35, 2813-2824.	14.5	53
90	Solution structure of Domains IVa and V of the Ï„ subunit of Escherichia coli DNA polymerase III and interaction with the Î± subunit. Nucleic Acids Research, 2007, 35, 2825-2832.	14.5	39

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91	Cobalt(III) Amine Complexes with Coordinated Trifluoromethanesulfonate. Inorganic Syntheses, 2007, , 103-107.	0.3	11
92	NMR Detection of Protein15N Spins near Paramagnetic Lanthanide Ions. Journal of the American Chemical Society, 2007, 129, 462-463.	13.7	16
93	Trifluoromethanesulfonates and Trifluoromethanesulfonato-O Complexes. Inorganic Syntheses, 2007, , 70-76.	0.3	21
94	Sequence-Specific and Stereospecific Assignment of Methyl Groups Using Paramagnetic Lanthanides. Journal of the American Chemical Society, 2007, 129, 13749-13757.	13.7	59
95	Cell-Free Transcription/Translation from PCR-Amplified DNA for High-Throughput NMR Studies. Angewandte Chemie - International Edition, 2007, 46, 3356-3358.	13.8	69
96	Multiple oligomeric forms ofEscherichia coli DnaB helicase revealed by electrospray ionisation mass spectrometry. Rapid Communications in Mass Spectrometry, 2007, 21, 132-140.	1.5	8
97	Measurement of dissociation constants of high-molecular weight proteinâ€“protein complexes by transferred 15N-relaxation. Journal of Biomolecular NMR, 2007, 38, 65-72.	2.8	18
98	Effect of protein stabilization on charge state distribution in positive- and negative-ion electrospray ionization mass spectra. Journal of the American Society for Mass Spectrometry, 2007, 18, 1605-1611.	2.8	18
99	Proteomic dissection of DNA polymerization. Expert Review of Proteomics, 2006, 3, 197-211.	3.0	11
100	Kinetic and Crystallographic Analysis of MutantEscherichia coliAminopeptidase P:Â Insights into Substrate Recognition and the Mechanism of Catalysisâ€. Biochemistry, 2006, 45, 964-975.	2.5	41
101	Structure Determination of Proteinâˆ’Ligand Complexes by Transferred Paramagnetic Shifts. Journal of the American Chemical Society, 2006, 128, 12910-12916.	13.7	102
102	Lanthanide Labeling Offers Fast NMR Approach to 3D Structure Determinations of Proteinâˆ’Protein Complexes. Journal of the American Chemical Society, 2006, 128, 3696-3702.	13.7	125
103	A Molecular Mousetrap Determines Polarity of Termination of DNA Replication in E. coli. Cell, 2006, 125, 1309-1319.	28.9	114
104	15N-Labelled proteins by cell-free protein synthesis.. FEBS Journal, 2006, 273, 4154-4159.	4.7	66
105	Cell-free protein synthesis. FEBS Journal, 2006, 273, 4131-4132.	4.7	3
106	Monomeric solution structure of the helicase-binding domain of Escherichia coli DnaG primase. FEBS Journal, 2006, 273, 4997-5009.	4.7	25
107	Amino-acid Type Identification in 15N-HSQC Spectra by Combinatorial Selective 15N-labelling. Journal of Biomolecular NMR, 2006, 34, 13-21.	2.8	55
108	Efficient Ï‡-tensor determination and NH assignment of paramagnetic proteins. Journal of Biomolecular NMR, 2006, 35, 79-87.	2.8	56

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109	Assignment of paramagnetic 15N-HSQC spectra by heteronuclear exchange spectroscopy. Journal of Biomolecular NMR, 2006, 37, 43-51.	2.8	15
110	Site-Specific Labelling of Proteins with a Rigid Lanthanide-Binding Tag. ChemBioChem, 2006, 7, 1599-1604.	2.6	82
111	Helicase binding to DnaI exposes a cryptic DNA-binding site during helicase loading in Bacillus subtilis. Nucleic Acids Research, 2006, 34, 5247-5258.	14.5	50
112	Structure of the Î¸ Subunit of Escherichia coli DNA Polymerase III in Complex with the Îµ Subunit. Journal of Bacteriology, 2006, 188, 4464-4473.	2.2	26
113	A molecular mousetrap determines polarity of replication fork arrest at Tusâ€•<i>Ter</i> sites in <i>E. coli</i>. FASEB Journal, 2006, 20, A911.	0.5	0
114	Proteinâ€Šâ€"â€ŠProtein Interactions in the Eubacterial Replisome. IUBMB Life, 2005, 57, 5-12.	3.4	74
115	Conservation of Eubacterial Replicases. IUBMB Life, 2005, 57, 413-419.	3.4	32
116	Cell-free synthesis of 15 N-labeled proteins for NMR studies. IUBMB Life, 2005, 57, 615-622.	3.4	35
117	Synthesis and properties of crosslinked recombinant pro-resilin. Nature, 2005, 437, 999-1002.	27.8	496
118	Translational incorporation of L-3,4-dihydroxyphenylalanine into proteins. FEBS Journal, 2005, 272, 3162-3171.	4.7	64
119	Cell-free Protein Synthesis in an Autoinduction System for NMR Studies of Proteinâ€"Protein Interactions. Journal of Biomolecular NMR, 2005, 32, 235-241.	2.8	32
120	A Complex Mechanism Determines Polarity of DNA Replication Fork Arrest by the Replication Terminator Complex of Bacillus subtilis. Journal of Biological Chemistry, 2005, 280, 13105-13113.	3.4	11
121	Crystal and Solution Structures of the Helicase-binding Domain of Escherichia coli Primase. Journal of Biological Chemistry, 2005, 280, 11495-11504.	3.4	62
122	Replication Termination in Escherichia coli : Structure and Antihelicase Activity of the Tus- Ter Complex. Microbiology and Molecular Biology Reviews, 2005, 69, 501-526.	6.6	142
123	Weak Alignment of Paramagnetic Proteins Warrants Correction for Residual CSA Effects in Measurements of Pseudocontact Shifts. Journal of the American Chemical Society, 2005, 127, 17190-17191.	13.7	56
124	Integron-associated Mobile Gene Cassettes Code for Folded Proteins: The Structure of Bal32a, a New Member of the Adaptable Î±+Î² Barrel Family. Journal of Molecular Biology, 2005, 346, 1229-1241.	4.2	20
125	Stabilization of Native Protein Fold by Intein-Mediated Covalent Cyclization. Journal of Molecular Biology, 2005, 346, 1095-1108.	4.2	42
126	Optimization of an Escherichia coli system for cell-free synthesis of selectively 15N-labelled proteins for rapid analysis by NMR spectroscopy. FEBS Journal, 2004, 271, 4084-4093.	0.2	87

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127	Fast Structure-Based Assignment of15N HSQC Spectra of Selectively15N-Labeled Paramagnetic Proteins. Journal of the American Chemical Society, 2004, 126, 2963-2970.	13.7	83
128	Expression, purification, crystallization, and NMR studies of the helicase interaction domain of Escherichia coli DnaG primase. Protein Expression and Purification, 2004, 33, 304-310.	1.3	11
129	Inhibition of Protein Interactions with the Î²2 Sliding Clamp of Escherichia coli DNA Polymerase III by Peptides from Î²2-Binding Proteins. Biochemistry, 2004, 43, 5661-5671.	2.5	76
130	Molecular cloning and expression of the dihydrofolate reductase (DHFR) gene from adult buffalo fly (Haematobia irritans exigua): effects of antifolates. Insect Molecular Biology, 2003, 12, 173-183.	2.0	5
131	Flexibility revealed by the 1.85â€…Ã… crystal structure of the Î² sliding-clamp subunit ofEscherichia coliDNA polymerase III. Acta Crystallographica Section D: Biological Crystallography, 2003, 59, 1192-1199.	2.5	64
132	In Vivo Protein Cyclization Promoted by a Circularly Permuted Synechocystis sp. PCC6803 DnaB Mini-intein. Journal of Biological Chemistry, 2002, 277, 7790-7798.	3.4	66
133	2R1415 In vitro expression of various proteins for NMR measurements. Seibutsu Butsuri, 2002, 42, S149.	0.1	0
134	Hydrolysis of the 5â€˜-p-Nitrophenyl Ester of TMP by the Proofreading Exonuclease (Îµ) Subunit ofEscherichia coliDNA Polymerase IIIâ€. Biochemistry, 2002, 41, 5266-5275.	2.5	61
135	NMR analysis of in vitro-synthesized proteins without purification: a high-throughput approach. FEBS Letters, 2002, 524, 159-162.	2.8	69
136	Structural Basis for Proofreading during Replication of the Escherichia coli Chromosome. Structure, 2002, 10, 535-546.	3.3	137
137	Use of electrospray ionization mass spectrometry to study binding interactions between a replication terminator protein and DNA. Protein Science, 2002, 11, 147-157.	7.6	24
138	Use of electrospray ionization mass spectrometry to study binding interactions between a replication terminator protein and DNA. Protein Science, 2002, 11, 147-157.	7.6	52
139	Disproportionation of a Model Chromium(V) Complex Causes Extensive Chromium(III)-DNA Binding in Vitro. Chemical Research in Toxicology, 2001, 14, 946-950.	3.3	32
140	Chromium(VI) Reduction by Catechol(amine)s Results in DNA Cleavage in Vitro:â€‰ Relevance to Chromium Genotoxicity. Chemical Research in Toxicology, 2001, 14, 500-510.	3.3	44
141	The DnaBÂ·DnaC complex: a structure based on dimers assembled around an occluded channel. EMBO Journal, 2001, 20, 1462-1468.	7.8	71
142	A universal protein-protein interaction motif in the eubacterial DNA replication and repair systems. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 11627-11632.	7.1	293
143	DNA Interactions and Bacterial Mutagenicity of Some Chromium(III) Imine Complexes and their Chromium(V) Analogues. Evidence for Chromium(V) Intermediates in the Genotoxicity of Chromium(III). Australian Journal of Chemistry, 2000, 53, 411.	0.9	33
144	pH-controlled quaternary states of hexameric DnaB helicase. Journal of Molecular Biology, 2000, 303, 383-393.	4.2	27

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145	Preliminary X-Ray Crystallographic and NMR Studies on the Exonuclease Domain of the Ïµ Subunit of Escherichia coli DNA Polymerase III. Journal of Structural Biology, 2000, 131, 164-169.	2.8	14
146	Interaction of substituted cobalt(III) cage complexes with DNAâ€Šâ€. Dalton Transactions RSC, 2000, , 2085-2089.	2.3	25
147	Interaction of theEscherichia coliReplication Terminator Protein (Tus) with DNA:Â A Model Derived from DNA-Binding Studies of Mutant Proteins by Surface Plasmon Resonanceâ€. Biochemistry, 2000, 39, 11989-11999.	2.5	154
148	Disproportionation and Nuclease Activity of Bis[2-ethyl-2-hydroxybutanoato(2âˆ’)]oxochromate(V) in Neutral Aqueous Solutions1. Inorganic Chemistry, 2000, 39, 385-395.	4.0	53
149	NMR solution structure of the Î¸ subunit of DNA polymerase III from <i>Escherichia coli</i>. Protein Science, 2000, 9, 721-733.	7.6	17
150	NMR structure of the N-terminal domain of E. coli DnaB helicase: implications for structure rearrangements in the helicase hexamer. Structure, 1999, 7, 681-690.	3.3	62
151	In Vitro Plasmid DNA Cleavage by Chromium(V) and -(IV) 2-Hydroxycarboxylato Complexes. Chemical Research in Toxicology, 1999, 12, 371-381.	3.3	57
152	Backbone NMR assignments and secondary structure of the N-terminal domain of DnaB helicase from E. coli. Journal of Biomolecular NMR, 1998, 11, 233-234.	2.8	10
153	Three-dimensional reconstructions from cryoelectron microscopy images reveal an intimate complex between helicase DnaB and its loading partner DnaC. Structure, 1998, 6, 501-509.	3.3	72
154	Spectroscopic identification of a dinuclear metal centre in manganese(II)-activated aminopeptidase P from Escherichia coli: implications for human prolidase. Journal of Biological Inorganic Chemistry, 1998, 3, 470-483.	2.6	39
155	Structure and mechanism of a proline-specific aminopeptidase from Escherichia coli. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 3472-3477.	7.1	180
156	Precise Limits of the N-Terminal Domain of DnaB Helicase Determined by NMR Spectroscopy. Biochemical and Biophysical Research Communications, 1997, 231, 126-130.	2.1	21
157	Crystal structure of cytoplasmic Escherichia coli peptidyl-prolyl isomerase: evidence for decreased mobility of loops upon complexation. Journal of Molecular Biology, 1997, 271, 258-265.	4.2	34
158	Stable high-copy-number bacteriophage Î» promoter vectors for overproduction of proteins in Escherichia coli. Gene, 1996, 176, 49-53.	2.2	96
159	DNA hydrolysis by stable metal complexes. Chemical Communications, 1996, , 1287.	4.1	51
160	X-ray structure of the signal transduction protein from Escherichia coli at 1.9 Ã…. Acta Crystallographica Section D: Biological Crystallography, 1996, 52, 93-104.	2.5	58
161	Distribution of the flavohaemoglobin, HMP, between periplasm and cytoplasm inEscherichia coli. FEMS Microbiology Letters, 1995, 125, 219-224.	1.8	19
162	Crystal Structure ofEscherichia coliQOR Quinone Oxidoreductase Complexed with NADPH. Journal of Molecular Biology, 1995, 249, 785-799.	4.2	107

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