Walter J Chazin

List of Publications by Year in Descending Order

187 papers	12,652 citations	63 h-index	108 g-index
239 ext. papers	14,598 ext. citations	9.6 avg, IF	6.46 L-index

#	Paper	IF	Citations
187	Neutrophil-associated responses to infection in a natural host model.. *Infection and Immunity*, **2022**, iai0046621	3.7	0
186	TdfH selectively binds metal-loaded tetrameric calprotectin for zinc import.. *Communications Biology*, **2022**, 5, 103	6.7	0
185	Adherence enables to overcome zinc limitation imposed by nutritional immunity proteins.. *Infection and Immunity*, **2022**, iai0000922	3.7	0
184	Zn-regulated GTPase metalloprotein activator 1 modulates vertebrate zinc homeostasis.. *Cell*, **2022** ,	56.2	5
183	Gain-of-Function Mutations in RPA1 Cause a Syndrome with Short Telomeres and Somatic Genetic Rescue. *Blood*, **2021**,	2.2	2
182	Siderophore-mediated zinc acquisition enhances enterobacterial colonization of the inflamed gut. *Nature Communications*, **2021**, 12, 7016	17.4	3
181	RADX controls RAD51 filament dynamics to regulate replication fork stability. *Molecular Cell*, **2021**, 81, 1074-1083.e5	17.6	6
180	EXO5-DNA structure and BLM interactions direct DNA resection critical for ATR-dependent replication restart. *Molecular Cell*, **2021**, 81, 2989-3006.e9	17.6	8
179	A fragment-based approach to discovery of Receptor for Advanced Glycation End products inhibitors. *Proteins: Structure, Function and Bioinformatics*, **2021**, 89, 1399-1412	4.2	2
178	Neutrophil extracellular traps enhance macrophage killing of bacterial pathogens. *Science Advances* , **2021**, 7, eabj2101	14.3	9
177	DNA Recognition/Processing | DNA Polymerase Alpha-Primase: Biochemical and Structural Mechanisms **2021**, 431-444		0
176	Molecular Insight into TdfH-Mediated Zinc Piracy from Human Calprotectin by Neisseria gonorrhoeae. *MBio*, **2020**, 11,	7.8	6
175	ZupT Facilitates Clostridioides difficile Resistance to Host-Mediated Nutritional Immunity. *MSphere*, **2020**, 5,	5	11
174	Calmodulin Mutations Associated with Heart Arrhythmia: A Status Report. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	15
173	A slipped-CAG DNA-binding small molecule induces trinucleotide-repeat contractions in vivo. *Nature Genetics*, **2020**, 52, 146-159	36.3	54
172	Identification of ubiquitin Ser57 kinases regulating the oxidative stress response in yeast. *ELife*, **2020**, 9,	8.9	2
171	A key interaction with RPA orients XPA in NER complexes. *Nucleic Acids Research*, **2020**, 48, 2173-2188	20.1	13

170	Envisioning how the prototypic molecular machine TFIIH functions in transcription initiation and DNA repair. *DNA Repair*, **2020**, 96, 102972	4.3	16
169	The anti-parasitic agent suramin and several of its analogues are inhibitors of the DNA binding protein Mcm10. *Open Biology*, **2019**, 9, 190117	7	10
168	Genetic Mosaicism in Calmodulinopathy. *Circulation Genomic and Precision Medicine*, **2019**, 12, 375-385	5.2	20
167	Dynamics and selective remodeling of the DNA-binding domains of RPA. *Nature Structural and Molecular Biology*, **2019**, 26, 129-136	17.6	35
166	A new approach to discovery of S100 protein heterodimers. *FEBS Journal*, **2019**, 286, 1838-1840	5.7	
165	Multi-metal Restriction by Calprotectin Impacts De Novo Flavin Biosynthesis in Acinetobacter baumannii. *Cell Chemical Biology*, **2019**, 26, 745-755.e7	8.2	35
164	The Innate Immune Protein S100A9 Protects from T-Helper Cell Type 2-mediated Allergic Airway Inflammation. *American Journal of Respiratory Cell and Molecular Biology*, **2019**, 61, 459-468	5.7	14
163	The novel interaction between Neisseria gonorrhoeae TdfJ and human S100A7 allows gonococci to subvert host zinc restriction. *PLoS Pathogens*, **2019**, 15, e1007937	7.6	11
162	S100 Proteins in the Innate Immune Response to Pathogens. *Methods in Molecular Biology*, **2019**, 1929, 275-290	1.4	25
161	An Acinetobacter baumannii, Zinc-Regulated Peptidase Maintains Cell Wall Integrity during Immune-Mediated Nutrient Sequestration. *Cell Reports*, **2019**, 26, 2009-2018.e6	10.6	36
160	The Immune Protein Calprotectin Impacts Clostridioides difficile Metabolism through Zinc Limitation. *MBio*, **2019**, 10,	7.8	7
159	Arachidonic Acid Kills Staphylococcus aureus through a Lipid Peroxidation Mechanism. *MBio*, **2019**, 10,	7.8	20
158	Identifying the substrate proteins of U-box E3s E4B and CHIP by orthogonal ubiquitin transfer. *Science Advances*, **2018**, 4, e1701393	14.3	19
157	A Mechanism of Calmodulin Modulation of the Human Cardiac Sodium Channel. *Structure*, **2018**, 26, 683-694.e3	5.2	32
156	Stress-induced acidification may contribute to formation of unusual structures in C9orf72-repeats. *Biochimica Et Biophysica Acta - General Subjects*, **2018**, 1862, 1482-1491	4	6
155	Calprotectin protects against experimental colonic inflammation in mice. *British Journal of Pharmacology*, **2018**, 175, 3797-3812	8.6	13
154	Single-Molecule Analysis of Replication Protein A-DNA Interactions. *Methods in Enzymology*, **2018**, 600, 439-461	1.7	3
153	Role of Calprotectin in Withholding Zinc and Copper from Candida albicans. *Infection and Immunity*, **2018**, 86,	3.7	65

152	Substrate Binding Regulates Redox Signaling in Human DNA Primase. *Journal of the American Chemical Society*, **2018**, 140, 17153-17162	16.4	6
151	Functional and structural similarity of human DNA primase [4Fe4S] cluster domain constructs. *PLoS ONE*, **2018**, 13, e0209345	3.7	4
150	Yeast require redox switching in DNA primase. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 13186-13191	11.5	10
149	Characterization and development of SAPP as a specific peptidic inhibitor that targets Porphyromonas gingivalis. *Molecular Oral Microbiology*, **2018**, 33, 430-439	4.6	7
148	Disrupted structure and aberrant function of CHIP mediates the loss of motor and cognitive function in preclinical models of SCAR16. *PLoS Genetics*, **2018**, 14, e1007664	6	19
147	A minimal threshold of FANCJ helicase activity is required for its response to replication stress or double-strand break repair. *Nucleic Acids Research*, **2018**, 46, 6238-6256	20.1	15
146	RPA Interacts with HIRA and Regulates H3.3 Deposition at Gene Regulatory Elements in Mammalian Cells. *Molecular Cell*, **2017**, 65, 272-284	17.6	51
145	The [4Fe4S] cluster of human DNA primase functions as a redox switch using DNA charge transport. *Science*, **2017**, 355,	33.3	82
144	Prp40 Homolog A Is a Novel Centrin Target. *Biophysical Journal*, **2017**, 112, 2529-2539	2.9	13
143	Molecular basis for PrimPol recruitment to replication forks by RPA. *Nature Communications*, **2017**, 8, 15222	17.4	47
142	A Polymerase With Potential: The Fe-S Cluster in Human DNA Primase. *Methods in Enzymology*, **2017**, 595, 361-390	1.7	5
141	Dietary Manganese Promotes Staphylococcal Infection of the Heart. *Cell Host and Microbe*, **2017**, 22, 531-542.e8	23.4	37
140	Response to Comments on "The [4Fe4S] cluster of human DNA primase functions as a redox switch using DNA charge transport". *Science*, **2017**, 357,	33.3	4
139	Analysis of DNA binding by human factor xeroderma pigmentosum complementation group A (XPA) provides insight into its interactions with nucleotide excision repair substrates. *Journal of Biological Chemistry*, **2017**, 292, 16847-16857	5.4	11
138	RADX Promotes Genome Stability and Modulates Chemosensitivity by Regulating RAD51 at Replication Forks. *Molecular Cell*, **2017**, 67, 374-386.e5	17.6	98
137	Analysis of Functional Dynamics of Modular Multidomain Proteins by SAXS and NMR. *Methods in Enzymology*, **2017**, 592, 49-76	1.7	5
136	Ubiquitin turnover and endocytic trafficking in yeast are regulated by Ser57 phosphorylation of ubiquitin. *ELife*, **2017**, 6,	8.9	19
135	Novel CPVT-Associated Calmodulin Mutation in CALM3 (CALM3-A103V) Activates Arrhythmogenic Ca Waves and Sparks. *Circulation: Arrhythmia and Electrophysiology*, **2016**, 9,	6.4	59

134	Novel calmodulin mutations associated with congenital long QT syndrome affect calcium current in human cardiomyocytes. *Heart Rhythm*, **2016**, 13, 2012-9	6.7	41
133	The innate immune protein calprotectin promotes Pseudomonas aeruginosa and Staphylococcus aureus interaction. *Nature Communications*, **2016**, 7, 11951	17.4	70
132	XPA: A key scaffold for human nucleotide excision repair. *DNA Repair*, **2016**, 44, 123-135	4.3	68
131	Data publication with the structural biology data grid supports live analysis. *Nature Communications* , **2016**, 7, 10882	17.4	78
130	The Response of Acinetobacter baumannii to Zinc Starvation. *Cell Host and Microbe*, **2016**, 19, 826-36	23.4	79
129	Salmonella Mitigates Oxidative Stress and Thrives in the Inflamed Gut by Evading Calprotectin-Mediated Manganese Sequestration. *Cell Host and Microbe*, **2016**, 19, 814-25	23.4	74
128	Molecular Basis for the Interaction Between AP4 ε and its Accessory Protein, Tepsin. *Traffic*, **2016**, 17, 400-15	5.7	16
127	Single-molecule imaging reveals the mechanism of Exo1 regulation by single-stranded DNA binding proteins. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, E1170-9	11.5	65
126	Spectrum and Prevalence of CALM1-, CALM2-, and CALM3-Encoded Calmodulin Variants in Long QT Syndrome and Functional Characterization of a Novel Long QT Syndrome-Associated Calmodulin Missense Variant, E141G. *Circulation: Cardiovascular Genetics*, **2016**, 9, 136-146		77
125	The pattern recognition reagents RAGE VC1 and peptide p5 share common binding sites and exhibit specific reactivity with AA amyloid in mice. *Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis* , **2016**, 23, 8-16	2.7	3
124	CacyBP/SIP--Structure and variety of functions. *Biochimica Et Biophysica Acta - General Subjects*, **2016**, 1860, 79-85	4	30
123	Zinc and Manganese Chelation by Neutrophil S100A8/A9 (Calprotectin) Limits Extracellular Aspergillus fumigatus Hyphal Growth and Corneal Infection. *Journal of Immunology*, **2016**, 196, 336-44	5.3	91
122	Identification and Optimization of Anthranilic Acid Based Inhibitors of Replication Protein A. *ChemMedChem*, **2016**, 11, 893-9	3.7	9
121	Dynamic binding of replication protein a is required for DNA repair. *Nucleic Acids Research*, **2016**, 44, 5758-72	20.1	45
120	Dietary zinc alters the microbiota and decreases resistance to Clostridium difficile infection. *Nature Medicine*, **2016**, 22, 1330-1334	50.5	136
119	Binding of transition metals to S100 proteins. *Science China Life Sciences*, **2016**, 59, 792-801	8.5	40
118	Acinetobacter baumannii Coordinates Urea Metabolism with Metal Import To Resist Host-Mediated Metal Limitation. *MBio*, **2016**, 7,	7.8	40
117	ETAA1 acts at stalled replication forks to maintain genome integrity. *Nature Cell Biology*, **2016**, 18, 1185-1195	23.4	132

116	Nutritional Immunity: S100 Proteins at the Host-Pathogen Interface. *Journal of Biological Chemistry*, **2015**, 290, 18991-8	5.4	136
115	Functional dynamics in replication protein A DNA binding and protein recruitment domains. *Structure*, **2015**, 23, 1028-38	5.2	21
114	Promotion of BRCA2-Dependent Homologous Recombination by DSS1 via RPA Targeting and DNA Mimicry. *Molecular Cell*, **2015**, 59, 176-87	17.6	97
113	Characteristics and concepts of dynamic hub proteins in DNA processing machinery from studies of RPA. *Progress in Biophysics and Molecular Biology*, **2015**, 117, 206-211	4.7	22
112	Zinc regulates a switch between primary and alternative S18 ribosomal proteins in Mycobacterium tuberculosis. *Molecular Microbiology*, **2015**, 97, 263-80	4.1	30
111	Arrhythmogenic Calmodulin Mutations Affect the Activation and Termination of Cardiac Ryanodine Receptor-mediated Ca2+ Release. *Journal of Biological Chemistry*, **2015**, 290, 26151-62	5.4	45
110	Diphenylpyrazoles as replication protein a inhibitors. *ACS Medicinal Chemistry Letters*, **2015**, 6, 140-5	4.3	15
109	Helicobacter pylori Resists the Antimicrobial Activity of Calprotectin via Lipid A Modification and Associated Biofilm Formation. *MBio*, **2015**, 6, e01349-15	7.8	30
108	Mechanochemical regulations of RPA's binding to ssDNA. *Scientific Reports*, **2015**, 5, 9296	4.9	26
107	Simian virus Large T antigen interacts with the N-terminal domain of the 70 kD subunit of Replication Protein A in the same mode as multiple DNA damage response factors. *PLoS ONE*, **2015**, 10, e0116093	3.7	4
106	Calprotectin Increases the Activity of the SaeRS Two Component System and Murine Mortality during Staphylococcus aureus Infections. *PLoS Pathogens*, **2015**, 11, e1005026	7.6	38
105	The Human Antimicrobial Protein Calgranulin C Participates in Control of Helicobacter pylori Growth and Regulation of Virulence. *Infection and Immunity*, **2015**, 83, 2944-56	3.7	47
104	Dimerization and phosphatase activity of calcyclin-binding protein/Siah-1 interacting protein: the influence of oxidative stress. *FASEB Journal*, **2015**, 29, 1711-24	0.9	16
103	Human PrimPol is a highly error-prone polymerase regulated by single-stranded DNA binding proteins. *Nucleic Acids Research*, **2015**, 43, 1056-68	20.1	63
102	Biochemical and Proteomic Analysis of Ubiquitination of Hsc70 and Hsp70 by the E3 Ligase CHIP. *PLoS ONE*, **2015**, 10, e0128240	3.7	19
101	Insights into eukaryotic primer synthesis from structures of the p48 subunit of human DNA primase. *Journal of Molecular Biology*, **2014**, 426, 558-69	6.5	20
100	Diffusion of human replication protein A along single-stranded DNA. *Journal of Molecular Biology*, **2014**, 426, 3246-3261	6.5	85
99	Redefining the DNA-binding domain of human XPA. *Journal of the American Chemical Society*, **2014**, 136, 10830-3	16.4	29

98	Structural analysis of replication protein A recruitment of the DNA damage response protein SMARCAL1. *Biochemistry*, **2014**, 53, 3052-61	3.2	20
97	Acinetobacter baumannii response to host-mediated zinc limitation requires the transcriptional regulator Zur. *Journal of Bacteriology*, **2014**, 196, 2616-26	3.5	67
96	Novel calmodulin mutations associated with congenital arrhythmia susceptibility. *Circulation: Cardiovascular Genetics*, **2014**, 7, 466-74		133
95	Discovery of a potent stapled helix peptide that binds to the 70N domain of replication protein A. *Journal of Medicinal Chemistry*, **2014**, 57, 2455-61	8.3	39
94	Novel function of the Fanconi anemia group J or RECQ1 helicase to disrupt protein-DNA complexes in a replication protein A-stimulated manner. *Journal of Biological Chemistry*, **2014**, 289, 19928-41	5.4	26
93	The host protein calprotectin modulates the Helicobacter pylori cag type IV secretion system via zinc sequestration. *PLoS Pathogens*, **2014**, 10, e1004450	7.6	65
92	Replication protein A: single-stranded DNA's first responder: dynamic DNA-interactions allow replication protein A to direct single-strand DNA intermediates into different pathways for synthesis or repair. *BioEssays*, **2014**, 36, 1156-61	4.1	139
91	Divergent regulation of ryanodine receptor 2 calcium release channels by arrhythmogenic human calmodulin missense mutants. *Circulation Research*, **2014**, 114, 1114-24	15.7	96
90	Surface reengineering of RPA70N enables cocrystallization with an inhibitor of the replication protein A interaction motif of ATR interacting protein. *Biochemistry*, **2013**, 52, 6515-24	3.2	14
89	Discovery of a potent inhibitor of replication protein a protein-protein interactions using a fragment-linking approach. *Journal of Medicinal Chemistry*, **2013**, 56, 9242-50	8.3	48
88	Xeroderma pigmentosum complementation group C protein (XPC) serves as a general sensor of damaged DNA. *DNA Repair*, **2013**, 12, 947-53	4.3	36
87	Calmodulin mutations associated with recurrent cardiac arrest in infants. *Circulation*, **2013**, 127, 1009-17	16.7	262
86	Molecular basis for manganese sequestration by calprotectin and roles in the innate immune response to invading bacterial pathogens. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 3841-6	11.5	245
85	Activation of UbcH5c~Ub is the result of a shift in interdomain motions of the conjugate bound to U-box E3 ligase E4B. *Biochemistry*, **2013**, 52, 2991-9	3.2	35
84	Zinc piracy as a mechanism of Neisseria meningitidis for evasion of nutritional immunity. *PLoS Pathogens*, **2013**, 9, e1003733	7.6	57
83	A new structural framework for integrating replication protein A into DNA processing machinery. *Nucleic Acids Research*, **2013**, 41, 2313-27	20.1	62
82	MntABC and MntH contribute to systemic Staphylococcus aureus infection by competing with calprotectin for nutrient manganese. *Infection and Immunity*, **2013**, 81, 3395-405	3.7	143
81	Zinc sequestration by the neutrophil protein calprotectin enhances Salmonella growth in the inflamed gut. *Cell Host and Microbe*, **2012**, 11, 227-39	23.4	243

80	Structure of an E3:E2~Ub complex reveals an allosteric mechanism shared among RING/U-box ligases. *Molecular Cell*, **2012**, 47, 933-42	17.6	217
79	Repair-specific functions of replication protein A. *Journal of Biological Chemistry*, **2012**, 287, 3908-18	5.4	26
78	Human DNA helicase B (HDHB) binds to replication protein A and facilitates cellular recovery from replication stress. *Journal of Biological Chemistry*, **2012**, 287, 6469-81	5.4	30
77	A high-throughput fluorescence polarization anisotropy assay for the 70N domain of replication protein A. *Analytical Biochemistry*, **2012**, 421, 742-9	3.1	33
76	Identification of an Acinetobacter baumannii zinc acquisition system that facilitates resistance to calprotectin-mediated zinc sequestration. *PLoS Pathogens*, **2012**, 8, e1003068	7.6	184
75	Relating form and function of EF-hand calcium binding proteins. *Accounts of Chemical Research*, **2011**, 44, 171-9	24.3	90
74	Nutrient metal sequestration by calprotectin inhibits bacterial superoxide defense, enhancing neutrophil killing of Staphylococcus aureus. *Cell Host and Microbe*, **2011**, 10, 158-64	23.4	273
73	Solution NMR structure of Apo-calmodulin in complex with the IQ motif of human cardiac sodium channel NaV1.5. *Journal of Molecular Biology*, **2011**, 406, 106-19	6.5	92
72	E2 conjugating enzyme selectivity and requirements for function of the E3 ubiquitin ligase CHIP. *Journal of Biological Chemistry*, **2011**, 286, 21277-86	5.4	37
71	BID binds to replication protein A and stimulates ATR function following replicative stress. *Molecular and Cellular Biology*, **2011**, 31, 4298-309	4.8	22
70	A naturally occurring human RPA subunit homolog does not support DNA replication or cell-cycle progression. *Nucleic Acids Research*, **2010**, 38, 846-58	20.1	27
69	Insights into eukaryotic DNA priming from the structure and functional interactions of the 4Fe-4S cluster domain of human DNA primase. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 13684-9	11.5	66
68	Functional characterization of a cancer causing mutation in human replication protein A. *Molecular Cancer Research*, **2010**, 8, 1017-26	6.6	23
67	Reconstitution of RPA-covered single-stranded DNA-activated ATR-Chk1 signaling. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 13660-5	11.5	90
66	Biochemical and Structural Domain Analysis of Xeroderma Pigmentosum Complementation Group C Protein. *ACS Symposium Series*, **2010**, 59-71	0.4	
65	Structural dynamics and single-stranded DNA binding activity of the three N-terminal domains of the large subunit of replication protein A from small angle X-ray scattering. *Biochemistry*, **2010**, 49, 2880-9	3.2	34
64	Structural and functional characterization of the monomeric U-box domain from E4B. *Biochemistry*, **2010**, 49, 347-55	3.2	27
63	Structural basis for ligand recognition and activation of RAGE. *Structure*, **2010**, 18, 1342-52	5.2	164

62	Defining the modular protein intereactions that coordinate recruitment of DNA polymerase alpha to initiate SV40 DNA replication. *FASEB Journal*, **2010**, 24, 196.2	0.9	
61	Engineering a ubiquitin ligase reveals conformational flexibility required for ubiquitin transfer. *Journal of Biological Chemistry*, **2009**, 284, 26797-802	5.4	34
60	NMR analysis of the architecture and functional remodeling of a modular multidomain protein, RPA. *Journal of the American Chemical Society*, **2009**, 131, 6346-7	16.4	38
59	Experimental model of the interplay between TBL1-mediated activation and Siah-1-induced poly-ubiquitination of β-catenin. *FASEB Journal*, **2009**, 23, 849.2	0.9	
58	Evolution of the NIGMS Protein Structure Initiative. *Structure*, **2008**, 16, 12-4	5.2	1
57	Metal chelation and inhibition of bacterial growth in tissue abscesses. *Science*, **2008**, 319, 962-5	33.3	627
56	Cellular functions of human RPA1. Multiple roles of domains in replication, repair, and checkpoints. *Journal of Biological Chemistry*, **2008**, 283, 19095-111	5.4	84
55	Regulatory functions of the N-terminal domain of the 70-kDa subunit of replication protein A (RPA). *Journal of Biological Chemistry*, **2008**, 283, 21559-70	5.4	28
54	The basic cleft of RPA70N binds multiple checkpoint proteins, including RAD9, to regulate ATR signaling. *Molecular and Cellular Biology*, **2008**, 28, 7345-53	4.8	137
53	S100A8/A9 at low concentration promotes tumor cell growth via RAGE ligation and MAP kinase-dependent pathway. *Journal of Leukocyte Biology*, **2008**, 83, 1484-92	6.5	221
52	Replication protein A prevents accumulation of single-stranded telomeric DNA in cells that use alternative lengthening of telomeres. *Nucleic Acids Research*, **2007**, 35, 7267-78	20.1	49
51	An iron-sulfur cluster in the C-terminal domain of the p58 subunit of human DNA primase. *Journal of Biological Chemistry*, **2007**, 282, 33444-33451	5.4	95
50	The impact of X-ray crystallography and NMR on intracellular calcium signal transduction by EF-hand proteins: crossing the threshold from structure to biology and medicine. *Sciences STKE: Signal Transduction Knowledge Environment*, **2007**, 2007, pe27		3
49	The extracellular region of the receptor for advanced glycation end products is composed of two independent structural units. *Biochemistry*, **2007**, 46, 6957-70	3.2	134
48	Biochemical and structural domain analysis of xeroderma pigmentosum complementation group C protein. *Biochemistry*, **2006**, 45, 14965-79	3.2	60
47	The biochemical effect of Ser167 phosphorylation on Chlamydomonas reinhardtii centrin. *Biochemical and Biophysical Research Communications*, **2006**, 342, 342-8	3.4	14
46	Structural mechanism of RPA loading on DNA during activation of a simple pre-replication complex. *EMBO Journal*, **2006**, 25, 5516-26	13	61
45	Calcium-Dependent Regulation of Ion Channels **2006**, 1, 203-212		9

44	Insights into hRPA32 C-terminal domain--mediated assembly of the simian virus 40 replisome. *Nature Structural and Molecular Biology*, **2005**, 12, 332-9	17.6	71
43	Structural mechanisms of DNA replication, repair, and recombination. *Journal of Biological Chemistry*, **2004**, 279, 30915-8	5.4	64
42	Target selectivity in EF-hand calcium binding proteins. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2004**, 1742, 69-79	4.9	188
41	Physical interaction between replication protein A and Rad51 promotes exchange on single-stranded DNA. *Journal of Biological Chemistry*, **2004**, 279, 25638-45	5.4	82
40	Replication protein A phosphorylation and the cellular response to DNA damage. *DNA Repair*, **2004**, 3, 1015-24	4.3	232
39	Independent and coordinated functions of replication protein A tandem high affinity single-stranded DNA binding domains. *Journal of Biological Chemistry*, **2003**, 278, 41077-82	5.4	97
38	The phosphorylation domain of the 32-kDa subunit of replication protein A (RPA) modulates RPA-DNA interactions. Evidence for an intersubunit interaction. *Journal of Biological Chemistry*, **2003**, 278, 35584-91	5.4	77
37	Structural insights into the U-box, a domain associated with multi-ubiquitination. *Nature Structural and Molecular Biology*, **2003**, 10, 250-5	17.6	216
36	Replication protein A interactions with DNA: differential binding of the core domains and analysis of the DNA interaction surface. *Biochemistry*, **2003**, 42, 12909-18	3.2	64
35	Nascent structure in the kinase anchoring domain of microtubule-associated protein 2. *Biochemical and Biophysical Research Communications*, **2003**, 301, 136-42	3.4	6
34	The EF-hand domain: a globally cooperative structural unit. *Protein Science*, **2002**, 11, 198-205	6.3	80
33	Characterization of binding-induced changes in dynamics suggests a model for sequence-nonspecific binding of ssDNA by replication protein A. *Protein Science*, **2002**, 11, 2316-25	6.3	15
32	Engineering and design of ligand-induced conformational change in proteins. *Current Opinion in Structural Biology*, **2002**, 12, 459-63	8.1	34
31	1H, 15N and 13C assignments of the regulatory domains of calcium-dependent protein kinase (CDPK). *Journal of Biomolecular NMR*, **2002**, 23, 249-50	3	5
30	Molecular basis for recognition and binding of specific DNA sequences by calicheamicin and duocarmycin. *Advances in DNA Sequence-Specific Agents*, **2002**, 4, 47-73		1
29	Analysis of the human replication protein A:Rad52 complex: evidence for crosstalk between RPA32, RPA70, Rad52 and DNA. *Journal of Molecular Biology*, **2002**, 321, 133-48	6.5	57
28	1H, 15N and 13C resonance assignments for the C-terminal protein interaction region of the 32 kDa subunit of human replication protein A. *Journal of Biomolecular NMR*, **2000**, 17, 179-80	3	4
27	DNA replication but not nucleotide excision repair is required for UVC-induced replication protein A phosphorylation in mammalian cells. *Molecular and Cellular Biology*, **2000**, 20, 2696-705	4.8	34

26	Structural basis for the recognition of DNA repair proteins UNG2, XPA, and RAD52 by replication factor RPA. *Cell*, **2000**, 103, 449-56	56.2	191
25	High resolution solution structure of apo calcyclin and structural variations in the S100 family of calcium-binding proteins. *Journal of Biomolecular NMR*, **1999**, 13, 233-47	3	46
24	Human replication protein A: global fold of the N-terminal RPA-70 domain reveals a basic cleft and flexible C-terminal linker. *Journal of Biomolecular NMR*, **1999**, 14, 321-31	3	74
23	Determination of the metal-binding cooperativity of wild-type and mutant calbindin D9K by electrospray ionization mass spectrometry. *Rapid Communications in Mass Spectrometry*, **1999**, 13, 548-55	2.2	13
22	Interactions of human nucleotide excision repair protein XPA with DNA and RPA70 Delta C327: chemical shift mapping and 15N NMR relaxation studies. *Biochemistry*, **1999**, 38, 15116-28	3.2	68
21	Binding-Induced Activation of DNA Alkylation by Duocarmycin SA: Insights from the Structure of an Indole Derivative□DNA Adduct. *Journal of the American Chemical Society*, **1999**, 121, 5645-5652	16.4	43
20	Structures of EF-hand Ca(2+)-binding proteins: diversity in the organization, packing and response to Ca2+ binding. *BioMetals*, **1998**, 11, 297-318	3.4	160
19	Chemical shift homology in proteins. *Journal of Biomolecular NMR*, **1998**, 11, 45-57	3	12
18	An interaction-based analysis of calcium-induced conformational changes in Ca2+ sensor proteins. *Protein Science*, **1998**, 7, 270-82	6.3	109
17	Rational design of a functional metalloenzyme: introduction of a site for manganese binding and oxidation into a heme peroxidase. *Biochemistry*, **1998**, 37, 16853-62	3.2	59
16	Solution Structure of the Complex between the Head-to-Tail Dimer of Calicheamicin □I Oligosaccharide and a DNA Duplex Containing d(ACCT) and d(TCCT) High-Affinity Binding Sites. *Journal of the American Chemical Society*, **1998**, 120, 7183-7191	16.4	21
15	High level expression and dimer characterization of the S100 EF-hand proteins, migration inhibitory factor-related proteins 8 and 14. *Journal of Biological Chemistry*, **1998**, 273, 12427-35	5.4	165
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13	Rotational diffusion anisotropy of proteins from simultaneous analysis of 15N and 13C alpha nuclear spin relaxation. *Journal of Biomolecular NMR*, **1997**, 9, 287-98	3	246
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