

Walter J Chazin

List of Publications by Year in descending order

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193
papers

16,265
citations

14655

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19749

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all docs

239
docs citations

239
times ranked

14740
citing authors

#	ARTICLE	IF	CITATIONS
1	REPLICATION PROTEIN A: A Heterotrimeric, Single-Stranded DNA-Binding Protein Required for Eukaryotic DNA Metabolism. <i>Annual Review of Biochemistry</i> , 1997, 66, 61-92.	11.1	1,330
2	Metal Chelation and Inhibition of Bacterial Growth in Tissue Abscesses. <i>Science</i> , 2008, 319, 962-965.	12.6	751
3	RPA involvement in the damage-recognition and incision steps of nucleotide excision repair. <i>Nature</i> , 1995, 374, 566-569.	27.8	405
4	Nutrient Metal Sequestration by Calprotectin Inhibits Bacterial Superoxide Defense, Enhancing Neutrophil Killing of <i>Staphylococcus aureus</i> . <i>Cell Host and Microbe</i> , 2011, 10, 158-164.	11.0	337
5	Calmodulin Mutations Associated With Recurrent Cardiac Arrest in Infants. <i>Circulation</i> , 2013, 127, 1009-1017.	1.6	331
6	Molecular basis for manganese sequestration by calprotectin and roles in the innate immune response to invading bacterial pathogens. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 3841-3846.	7.1	325
7	Suppression of the effects of cross-correlation between dipolar and anisotropic chemical shift relaxation mechanisms in the measurement of spin-spin relaxation rates. <i>Molecular Physics</i> , 1992, 75, 699-711.	1.7	287
8	Zinc Sequestration by the Neutrophil Protein Calprotectin Enhances <i>Salmonella</i> Growth in the Inflamed Gut. <i>Cell Host and Microbe</i> , 2012, 11, 227-239.	11.0	286
9	Structure of an E3:E2 ^{1/4} Ub Complex Reveals an Allosteric Mechanism Shared among RING/U-box Ligases. <i>Molecular Cell</i> , 2012, 47, 933-942.	9.7	272
10	Rotational diffusion anisotropy of proteins from simultaneous analysis of ¹⁵ N and ¹³ C alpha nuclear spin relaxation. <i>Journal of Biomolecular NMR</i> , 1997, 9, 287-298.	2.8	270
11	S100A8/A9 at low concentration promotes tumor cell growth via RAGE ligation and MAP kinase-dependent pathway. <i>Journal of Leukocyte Biology</i> , 2008, 83, 1484-1492.	3.3	265
12	Replication Protein A phosphorylation and the cellular response to DNA damage. <i>DNA Repair</i> , 2004, 3, 1015-1024.	2.8	262
13	Structural insights into the U-box, a domain associated with multi-ubiquitination. <i>Nature Structural and Molecular Biology</i> , 2003, 10, 250-255.	8.2	261
14	Interactions of human replication protein A with oligonucleotides. <i>Biochemistry</i> , 1994, 33, 14197-14206.	2.5	244
15	Structural Basis for the Recognition of DNA Repair Proteins UNG2, XPA, and RAD52 by Replication Factor RPA. <i>Cell</i> , 2000, 103, 449-456.	28.9	234
16	Identification of an <i>Acinetobacter baumannii</i> Zinc Acquisition System that Facilitates Resistance to Calprotectin-mediated Zinc Sequestration. <i>PLoS Pathogens</i> , 2012, 8, e1003068.	4.7	226
17	Replication protein A: Single-stranded DNA's first responder. <i>BioEssays</i> , 2014, 36, 1156-1161.	2.5	222
18	Target selectivity in EF-hand calcium binding proteins. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2004, 1742, 69-79.	4.1	217

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19	ETAA1 acts at stalled replication forks to maintain genome integrity. <i>Nature Cell Biology</i> , 2016, 18, 1185-1195.	10.3	204
20	Dietary zinc alters the microbiota and decreases resistance to <i>Clostridium difficile</i> infection. <i>Nature Medicine</i> , 2016, 22, 1330-1334.	30.7	201
21	Structural Basis for Ligand Recognition and Activation of RAGE. <i>Structure</i> , 2010, 18, 1342-1352.	3.3	195
22	Structures of EF-hand Ca(2+)-binding proteins: diversity in the organization, packing and response to Ca2+ binding. , 1998, 11, 297-318.		192
23	High Level Expression and Dimer Characterization of the S100 EF-hand Proteins, Migration Inhibitory Factor-related Proteins 8 and 14. <i>Journal of Biological Chemistry</i> , 1998, 273, 12427-12435.	3.4	190
24	Nutritional Immunity: S100 Proteins at the Host-Pathogen Interface. <i>Journal of Biological Chemistry</i> , 2015, 290, 18991-18998.	3.4	190
25	The structure of calyculin reveals a novel homodimeric fold for S100 Ca2+-binding proteins. <i>Nature Structural and Molecular Biology</i> , 1995, 2, 790-796.	8.2	180
26	MntABC and MntH Contribute to Systemic <i>Staphylococcus aureus</i> Infection by Competing with Calprotectin for Nutrient Manganese. <i>Infection and Immunity</i> , 2013, 81, 3395-3405.	2.2	173
27	Novel Calmodulin Mutations Associated With Congenital Arrhythmia Susceptibility. <i>Circulation: Cardiovascular Genetics</i> , 2014, 7, 466-474.	5.1	165
28	The Extracellular Region of the Receptor for Advanced Glycation End Products Is Composed of Two Independent Structural Units. <i>Biochemistry</i> , 2007, 46, 6957-6970.	2.5	156
29	The Basic Cleft of RPA70N Binds Multiple Checkpoint Proteins, Including RAD9, To Regulate ATR Signaling. <i>Molecular and Cellular Biology</i> , 2008, 28, 7345-7353.	2.3	155
30	RADX Promotes Genome Stability and Modulates Chemosensitivity by Regulating RAD51 at Replication Forks. <i>Molecular Cell</i> , 2017, 67, 374-386.e5.	9.7	153
31	Signal transduction versus buffering activity in Ca2+-binding proteins. <i>Nature Structural and Molecular Biology</i> , 1994, 1, 239-245.	8.2	152
32	Promotion of BRCA2-Dependent Homologous Recombination by DSS1 via RPA Targeting and DNA Mimicry. <i>Molecular Cell</i> , 2015, 59, 176-187.	9.7	141
33	Zinc and Manganese Chelation by Neutrophil S100A8/A9 (Calprotectin) Limits Extracellular <i>Aspergillus fumigatus</i> Hyphal Growth and Corneal Infection. <i>Journal of Immunology</i> , 2016, 196, 336-344.	0.8	130
34	Divergent Regulation of Ryanodine Receptor 2 Calcium Release Channels by Arrhythmogenic Human Calmodulin Missense Mutants. <i>Circulation Research</i> , 2014, 114, 1114-1124.	4.5	126
35	An interaction-based analysis of calcium-induced conformational changes in Ca ²⁺ sensor proteins. <i>Protein Science</i> , 1998, 7, 270-282.	7.6	122
36	Diffusion of Human Replication Protein A along Single-Stranded DNA. <i>Journal of Molecular Biology</i> , 2014, 426, 3246-3261.	4.2	120

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37	Independent and Coordinated Functions of Replication Protein A Tandem High Affinity Single-stranded DNA Binding Domains. <i>Journal of Biological Chemistry</i> , 2003, 278, 41077-41082.	3.4	119
38	Reconstitution of RPA-covered single-stranded DNA-activated ATR-Chk1 signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 13660-13665.	7.1	116
39	An Iron-Sulfur Cluster in the C-terminal Domain of the p58 Subunit of Human DNA Primase. <i>Journal of Biological Chemistry</i> , 2007, 282, 33444-33451.	3.4	115
40	The innate immune protein calprotectin promotes <i>Pseudomonas aeruginosa</i> and <i>Staphylococcus aureus</i> interaction. <i>Nature Communications</i> , 2016, 7, 11951.	12.8	114
41	The [4Fe4S] cluster of human DNA primase functions as a redox switch using DNA charge transport. <i>Science</i> , 2017, 355, .	12.6	114
42	Relating Form and Function of EF-Hand Calcium Binding Proteins. <i>Accounts of Chemical Research</i> , 2011, 44, 171-179.	15.6	113
43	Data publication with the structural biology data grid supports live analysis. <i>Nature Communications</i> , 2016, 7, 10882.	12.8	113
44	A slipped-CAG DNA-binding small molecule induces trinucleotide-repeat contractions in vivo. <i>Nature Genetics</i> , 2020, 52, 146-159.	21.4	110
45	<i>Salmonella</i> Mitigates Oxidative Stress and Thrives in the Inflamed Gut by Evading Calprotectin-Mediated Manganese Sequestration. <i>Cell Host and Microbe</i> , 2016, 19, 814-825.	11.0	109
46	The Response of <i>Acinetobacter baumannii</i> to Zinc Starvation. <i>Cell Host and Microbe</i> , 2016, 19, 826-836.	11.0	108
47	Solution NMR Structure of Apo-Calmodulin in Complex with the IQ Motif of Human Cardiac Sodium Channel NaV1.5. <i>Journal of Molecular Biology</i> , 2011, 406, 106-119.	4.2	105
48	Spectrum and Prevalence of <i>CALM1</i> -, <i>CALM2</i> -, and <i>CALM3</i> -Encoded Calmodulin Variants in Long QT Syndrome and Functional Characterization of a Novel Long QT Syndrome-Associated Calmodulin Missense Variant, E141G. <i>Circulation: Cardiovascular Genetics</i> , 2016, 9, 136-146.	5.1	104
49	Cellular Functions of Human RPA1. <i>Journal of Biological Chemistry</i> , 2008, 283, 19095-19111.	3.4	100
50	Role of Calprotectin in Withholding Zinc and Copper from <i>Candida albicans</i> . <i>Infection and Immunity</i> , 2018, 86, .	2.2	98
51	Physical Interaction between Replication Protein A and Rad51 Promotes Exchange on Single-stranded DNA. <i>Journal of Biological Chemistry</i> , 2004, 279, 25638-25645.	3.4	96
52	The EF-hand domain: A globally cooperative structural unit. <i>Protein Science</i> , 2009, 11, 198-205.	7.6	95
53	Dynamics and selective remodeling of the DNA-binding domains of RPA. <i>Nature Structural and Molecular Biology</i> , 2019, 26, 129-136.	8.2	94
54	The Phosphorylation Domain of the 32-kDa Subunit of Replication Protein A (RPA) Modulates RPA-DNA Interactions. <i>Journal of Biological Chemistry</i> , 2003, 278, 35584-35591.	3.4	93

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55	Human PrimPol is a highly error-prone polymerase regulated by single-stranded DNA binding proteins. <i>Nucleic Acids Research</i> , 2015, 43, 1056-1068.	14.5	93
56	Human replication protein A: global fold of the N-terminal RPA-70 domain reveals a basic cleft and flexible C-terminal linker. <i>Journal of Biomolecular NMR</i> , 1999, 14, 321-331.	2.8	90
57	A new structural framework for integrating replication protein A into DNA processing machinery. <i>Nucleic Acids Research</i> , 2013, 41, 2313-2327.	14.5	88
58	XPA: A key scaffold for human nucleotide excision repair. <i>DNA Repair</i> , 2016, 44, 123-135.	2.8	86
59	RPA Interacts with HIRA and Regulates H3.3 Deposition at Gene Regulatory Elements in Mammalian Cells. <i>Molecular Cell</i> , 2017, 65, 272-284.	9.7	83
60	Insights into hRPA32 C-terminal domain-mediated assembly of the simian virus 40 replisome. <i>Nature Structural and Molecular Biology</i> , 2005, 12, 332-339.	8.2	82
61	<i>Acinetobacter baumannii</i> Response to Host-Mediated Zinc Limitation Requires the Transcriptional Regulator Zur. <i>Journal of Bacteriology</i> , 2014, 196, 2616-2626.	2.2	82
62	Dynamic binding of replication protein a is required for DNA repair. <i>Nucleic Acids Research</i> , 2016, 44, 5758-5772.	14.5	82
63	Molecular basis for PrimPol recruitment to replication forks by RPA. <i>Nature Communications</i> , 2017, 8, 15222.	12.8	82
64	Interactions of Human Nucleotide Excision Repair Protein XPA with DNA and RPA70 ^{C327} : A Chemical Shift Mapping and ¹⁵ N NMR Relaxation Studies. <i>Biochemistry</i> , 1999, 38, 15116-15128.	2.5	81
65	Insights into eukaryotic DNA priming from the structure and functional interactions of the 4Fe-4S cluster domain of human DNA primase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 13684-13689.	7.1	81
66	Single-molecule imaging reveals the mechanism of Exo1 regulation by single-stranded DNA binding proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E1170-9.	7.1	81
67	The Host Protein Calprotectin Modulates the <i>Helicobacter pylori</i> cag Type IV Secretion System via Zinc Sequestration. <i>PLoS Pathogens</i> , 2014, 10, e1004450.	4.7	78
68	Replication Protein A Interactions with DNA: A Differential Binding of the Core Domains and Analysis of the DNA Interaction Surface. <i>Biochemistry</i> , 2003, 42, 12909-12918.	2.5	74
69	Biochemical and Structural Domain Analysis of Xeroderma Pigmentosum Complementation Group C Protein. <i>Biochemistry</i> , 2006, 45, 14965-14979.	2.5	74
70	Structural Mechanisms of DNA Replication, Repair, and Recombination. <i>Journal of Biological Chemistry</i> , 2004, 279, 30915-30918.	3.4	73
71	Structural mechanism of RPA loading on DNA during activation of a simple pre-replication complex. <i>EMBO Journal</i> , 2006, 25, 5516-5526.	7.8	73
72	Novel CPVT-Associated Calmodulin Mutation in <i>CALM3</i> (<i>CALM3-A103V</i>) Activates Arrhythmogenic Ca Waves and Sparks. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2016, 9, .	4.8	73

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73	Analysis of the Human Replication Protein A:Rad52 Complex: Evidence for Crosstalk Between RPA32, RPA70, Rad52 and DNA. <i>Journal of Molecular Biology</i> , 2002, 321, 133-148.	4.2	69
74	Zinc Piracy as a Mechanism of <i>Neisseria meningitidis</i> for Evasion of Nutritional Immunity. <i>PLoS Pathogens</i> , 2013, 9, e1003733.	4.7	68
75	Rational Design of a Functional Metalloenzyme: Introduction of a Site for Manganese Binding and Oxidation into a Heme Peroxidase. <i>Biochemistry</i> , 1998, 37, 16853-16862.	2.5	63
76	Multi-metal Restriction by Calprotectin Impacts De Novo Flavin Biosynthesis in <i>Acinetobacter baumannii</i> . <i>Cell Chemical Biology</i> , 2019, 26, 745-755.e7.	5.2	61
77	An <i>Acinetobacter baumannii</i> , Zinc-Regulated Peptidase Maintains Cell Wall Integrity during Immune-Mediated Nutrient Sequestration. <i>Cell Reports</i> , 2019, 26, 2009-2018.e6.	6.4	61
78	Neutrophil extracellular traps enhance macrophage killing of bacterial pathogens. <i>Science Advances</i> , 2021, 7, eabj2101.	10.3	61
79	Releasing the calcium trigger. <i>Nature Structural and Molecular Biology</i> , 1995, 2, 707-710.	8.2	59
80	Replication protein A prevents accumulation of single-stranded telomeric DNA in cells that use alternative lengthening of telomeres. <i>Nucleic Acids Research</i> , 2007, 35, 7267-7278.	14.5	59
81	Discovery of a Potent Inhibitor of Replication Protein A Protein-Protein Interactions Using a Fragment-Linking Approach. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 9242-9250.	6.4	59
82	Calprotectin Increases the Activity of the SaeRS Two Component System and Murine Mortality during <i>Staphylococcus aureus</i> Infections. <i>PLoS Pathogens</i> , 2015, 11, e1005026.	4.7	59
83	Binding of transition metals to S100 proteins. <i>Science China Life Sciences</i> , 2016, 59, 792-801.	4.9	59
84	The Human Antimicrobial Protein Calgranulin C Participates in Control of <i>Helicobacter pylori</i> Growth and Regulation of Virulence. <i>Infection and Immunity</i> , 2015, 83, 2944-2956.	2.2	58
85	Novel calmodulin mutations associated with congenital long QT syndrome affect calcium current in human cardiomyocytes. <i>Heart Rhythm</i> , 2016, 13, 2012-2019.	0.7	58
86	<i>Acinetobacter baumannii</i> Coordinates Urea Metabolism with Metal Import To Resist Host-Mediated Metal Limitation. <i>MBio</i> , 2016, 7, .	4.1	57
87	Arrhythmogenic Calmodulin Mutations Affect the Activation and Termination of Cardiac Ryanodine Receptor-mediated Ca ²⁺ Release. <i>Journal of Biological Chemistry</i> , 2015, 290, 26151-26162.	3.4	56
88	High resolution solution structure of apo calyculin and structural variations in the S100 family of calcium-binding proteins. <i>Journal of Biomolecular NMR</i> , 1999, 13, 233-247.	2.8	52
89	E2 Conjugating Enzyme Selectivity and Requirements for Function of the E3 Ubiquitin Ligase CHIP. <i>Journal of Biological Chemistry</i> , 2011, 286, 21277-21286.	3.4	52
90	Phosphorylation of human replication protein A by the DNA-dependent protein kinase is involved in the modulation of DNA replication. <i>Nucleic Acids Research</i> , 1996, 24, 3107-3112.	14.5	51

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91	Dietary Manganese Promotes Staphylococcal Infection of the Heart. <i>Cell Host and Microbe</i> , 2017, 22, 531-542.e8.	11.0	51
92	Discovery of a Potent Stapled Helix Peptide That Binds to the 70N Domain of Replication Protein A. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 2455-2461.	6.4	49
93	Quantitative measurements of the cooperativity in an EF-hand protein with sequential calcium binding. <i>Protein Science</i> , 1995, 4, 1038-1044.	7.6	47
94	NMR Analysis of the Architecture and Functional Remodeling of a Modular Multidomain Protein, RPA. <i>Journal of the American Chemical Society</i> , 2009, 131, 6346-6347.	13.7	47
95	Activation of UbcH5c ^{1/4} Ub Is the Result of a Shift in Interdomain Motions of the Conjugate Bound to U-Box E3 Ligase E4B. <i>Biochemistry</i> , 2013, 52, 2991-2999.	2.5	47
96	S100 Proteins in the Innate Immune Response to Pathogens. <i>Methods in Molecular Biology</i> , 2019, 1929, 275-290.	0.9	47
97	Engineering a Ubiquitin Ligase Reveals Conformational Flexibility Required for Ubiquitin Transfer. <i>Journal of Biological Chemistry</i> , 2009, 284, 26797-26802.	3.4	46
98	Binding-Induced Activation of DNA Alkylation by Duocarmycin SA: Insights from the Structure of an Indole Derivative~DNA Adduct. <i>Journal of the American Chemical Society</i> , 1999, 121, 5645-5652.	13.7	44
99	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. <i>Biochemistry</i> , 2010, 49, 2880-2889.	2.5	44
100	Arachidonic Acid Kills Staphylococcus aureus through a Lipid Peroxidation Mechanism. <i>MBio</i> , 2019, 10, .	4.1	44
101	Xeroderma pigmentosum complementation group C protein (XPC) serves as a general sensor of damaged DNA. <i>DNA Repair</i> , 2013, 12, 947-953.	2.8	43
102	Helicobacter pylori Resists the Antimicrobial Activity of Calprotectin via Lipid A Modification and Associated Biofilm Formation. <i>MBio</i> , 2015, 6, e01349-15.	4.1	43
103	A Mechanism of Calmodulin Modulation of the Human Cardiac Sodium Channel. <i>Structure</i> , 2018, 26, 683-694.e3.	3.3	43
104	Human DNA Helicase B (HDHB) Binds to Replication Protein A and Facilitates Cellular Recovery from Replication Stress. <i>Journal of Biological Chemistry</i> , 2012, 287, 6469-6481.	3.4	42
105	Zinc regulates a switch between primary and alternative <sc>S</sc>18 ribosomal proteins in <sc>i>M</i></sc><i>y</i>cobacterium tuberculosis</i>. <i>Molecular Microbiology</i> , 2015, 97, 263-280.	2.5	41
106	CacyBP/SIP â€” Structure and variety of functions. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2016, 1860, 79-85.	2.4	41
107	Functional Dynamics in Replication Protein A DNA Binding and Protein Recruitment Domains. <i>Structure</i> , 2015, 23, 1028-1038.	3.3	40
108	A high-throughput fluorescence polarization anisotropy assay for the 70N domain of replication protein A. <i>Analytical Biochemistry</i> , 2012, 421, 742-749.	2.4	39

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109	Identifying the substrate proteins of U-box E3s E4B and CHIP by orthogonal ubiquitin transfer. <i>Science Advances</i> , 2018, 4, e1701393.	10.3	39
110	Zn-regulated GTPase metalloprotein activator 1 modulates vertebrate zinc homeostasis. <i>Cell</i> , 2022, 185, 2148-2163.e27.	28.9	39
111	Redefining the DNA-Binding Domain of Human XPA. <i>Journal of the American Chemical Society</i> , 2014, 136, 10830-10833.	13.7	38
112	Mechanochemical regulations of RPA's binding to ssDNA. <i>Scientific Reports</i> , 2015, 5, 9296.	3.3	38
113	Engineering and design of ligand-induced conformational change in proteins. <i>Current Opinion in Structural Biology</i> , 2002, 12, 459-463.	5.7	36
114	Regulatory Functions of the N-terminal Domain of the 70-kDa Subunit of Replication Protein A (RPA). <i>Journal of Biological Chemistry</i> , 2008, 283, 21559-21570.	3.4	36
115	Repair-specific Functions of Replication Protein A. <i>Journal of Biological Chemistry</i> , 2012, 287, 3908-3918.	3.4	36
116	Envisioning how the prototypic molecular machine TFIIH functions in transcription initiation and DNA repair. <i>DNA Repair</i> , 2020, 96, 102972.	2.8	36
117	Structural and Functional Characterization of the Monomeric U-Box Domain from E4B. <i>Biochemistry</i> , 2010, 49, 347-355.	2.5	35
118	Novel Function of the Fanconi Anemia Group J or RECQ1 Helicase to Disrupt Protein-DNA Complexes in a Replication Protein A-stimulated Manner. <i>Journal of Biological Chemistry</i> , 2014, 289, 19928-19941.	3.4	35
119	Siderophore-mediated zinc acquisition enhances enterobacterial colonization of the inflamed gut. <i>Nature Communications</i> , 2021, 12, 7016.	12.8	35
120	DNA Replication but Not Nucleotide Excision Repair Is Required for UVC-Induced Replication Protein A Phosphorylation in Mammalian Cells. <i>Molecular and Cellular Biology</i> , 2000, 20, 2696-2705.	2.3	34
121	A naturally occurring human RPA subunit homolog does not support DNA replication or cell-cycle progression. <i>Nucleic Acids Research</i> , 2010, 38, 846-858.	14.5	34
122	A key interaction with RPA orients XPA in NER complexes. <i>Nucleic Acids Research</i> , 2020, 48, 2173-2188.	14.5	34
123	¹ H NMR assignments of apo calcyclin and comparative structural analysis with calbindin D _{9k} and S100 ^β . <i>Protein Science</i> , 1996, 5, 2162-2174.	7.6	33
124	Structural Analysis of Replication Protein A Recruitment of the DNA Damage Response Protein SMARCAL1. <i>Biochemistry</i> , 2014, 53, 3052-3061.	2.5	33
125	Genetic Mosaicism in Calmodulinopathy. <i>Circulation Genomic and Precision Medicine</i> , 2019, 12, 375-385.	3.6	33
126	Characteristics and concepts of dynamic hub proteins in DNA processing machinery from studies of RPA. <i>Progress in Biophysics and Molecular Biology</i> , 2015, 117, 206-211.	2.9	32

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127	The novel interaction between <i>Neisseria gonorrhoeae</i> Tdfj and human S100A7 allows gonococci to subvert host zinc restriction. <i>PLoS Pathogens</i> , 2019, 15, e1007937.	4.7	32
128	Insights into Eukaryotic Primer Synthesis from Structures of the p48 Subunit of Human DNA Primase. <i>Journal of Molecular Biology</i> , 2014, 426, 558-569.	4.2	30
129	Characterization of the N-terminal half-saturated state of calbindin D _{9k} : NMR studies of the N56A mutant. <i>Protein Science</i> , 1995, 4, 1045-1055.	7.6	29
130	Ubiquitin turnover and endocytic trafficking in yeast are regulated by Ser57 phosphorylation of ubiquitin. <i>ELife</i> , 2017, 6, .	6.0	29
131	Gain-of-function mutations in RPA1 cause a syndrome with short telomeres and somatic genetic rescue. <i>Blood</i> , 2022, 139, 1039-1051.	1.4	29
132	Functional Characterization of a Cancer Causing Mutation in Human Replication Protein A. <i>Molecular Cancer Research</i> , 2010, 8, 1017-1026.	3.4	28
133	Disrupted structure and aberrant function of CHIP mediates the loss of motor and cognitive function in preclinical models of SCAR16. <i>PLoS Genetics</i> , 2018, 14, e1007664.	3.5	28
134	Calmodulin Mutations Associated with Heart Arrhythmia: A Status Report. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1418.	4.1	28
135	RADX controls RAD51 filament dynamics to regulate replication fork stability. <i>Molecular Cell</i> , 2021, 81, 1074-1083.e5.	9.7	26
136	EXO5-DNA structure and BLM interactions direct DNA resection critical for ATR-dependent replication restart. <i>Molecular Cell</i> , 2021, 81, 2989-3006.e9.	9.7	26
137	BID Binds to Replication Protein A and Stimulates ATR Function following Replicative Stress. <i>Molecular and Cellular Biology</i> , 2011, 31, 4298-4309.	2.3	25
138	The Innate Immune Protein S100A9 Protects from T-Helper Cell Type 2-mediated Allergic Airway Inflammation. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2019, 61, 459-468.	2.9	25
139	Molecular Dynamics Docking Driven by NMR-Derived Restraints to Determine the Structure of the Calicheamicin ³¹ I Oligosaccharide Domain Complexed to Duplex DNA. <i>Magnetic Resonance in Chemistry</i> , 1996, 34, S147-S155.	1.9	24
140	Biochemical and Proteomic Analysis of Ubiquitination of Hsc70 and Hsp70 by the E3 Ligase CHIP. <i>PLoS ONE</i> , 2015, 10, e0128240.	2.5	24
141	ZupT Facilitates <i>Clostridioides difficile</i> Resistance to Host-Mediated Nutritional Immunity. <i>MSphere</i> , 2020, 5, .	2.9	23
142	Solution Structure of the Complex between the Head-to-Tail Dimer of Calicheamicin ³¹ I Oligosaccharide and a DNA Duplex Containing d(ACCT) and d(TCCT) High-Affinity Binding Sites. <i>Journal of the American Chemical Society</i> , 1998, 120, 7183-7191.	18.7	22
143	Molecular Basis for the Interaction Between α 4 and its Accessory Protein, Tepsin. <i>Traffic</i> , 2016, 17, 400-415.	2.7	21
144	The Immune Protein Calprotectin Impacts <i>Clostridioides difficile</i> Metabolism through Zinc Limitation. <i>MBio</i> , 2019, 10, .	4.1	21

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