Deborah S Wuttke

List of Publications by Year
in descending order

55	2,121	279798	243625
papers	citations	23 h-index	44 g-index

61	61	61	2249
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nucleic Acid Recognition by OB-Fold Proteins. Annual Review of Biophysics and Biomolecular Structure, 2003, 32, 115-133.	18.3	448
2	Conserved Structure for Single-Stranded Telomeric DNA Recognition. Science, 2002, 296, 145-147.	12.6	168
3	Single-Stranded DNA-Binding Proteins: Multiple Domains for Multiple Functions. Structure, 2013, 21, 1074-1084.	3.3	100
4	Telomere Replication Stress Induced by POT1 Inactivation Accelerates Tumorigenesis. Cell Reports, 2016, 15, 2170-2184.	6.4	94
5	Structural Basis for Telomeric Single-stranded DNA Recognition by Yeast Cdc13. Journal of Molecular Biology, 2004, 338, 241-255.	4.2	91
6	Telomerase and Telomere-Associated Proteins: Structural Insights into Mechanism and Evolution. Structure, 2012, 20, 28-39.	3.3	91
7	The Sox2 transcription factor binds RNA. Nature Communications, 2020, 11, 1805.	12.8	77
8	The structure of human CST reveals a decameric assembly bound to telomeric DNA. Science, 2020, 368, 1081-1085.	12.6	76
9	Telomere capping proteins are structurally related to RPA with an additional telomere-specific domain. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 19298-19303.	7.1	62
10	Towards an Understanding of the Poliovirus Replication Complex: The Solution Structure of the Soluble Domain of the Poliovirus 3A Protein. Journal of Molecular Biology, 2003, 330, 225-234.	4.2	57
11	Prediction of Multiple Tandem OB-Fold Domains in Telomere End-Binding Proteins Pot1 and Cdc13. Structure, 2004, 12, 1877-1879.	3.3	52
12	Delineation of the high-affinity single-stranded telomeric DNA-binding domain of Saccharomyces cerevisiae Cdc13. Nucleic Acids Research, 2002, 30, 4305-4313.	14.5	49
13	Site-Directed Mutagenesis Reveals the Thermodynamic Requirements for Single-Stranded DNA Recognition by the Telomere-Binding Protein Cdc13. Biochemistry, 2003, 42, 3751-3758.	2.5	49
14	Human CST Prefers G-Rich but Not Necessarily Telomeric Sequences. Biochemistry, 2017, 56, 4210-4218.	2.5	44
15	Divergent Evolution Within Protein Superfolds Inferred from Profile-based Phylogenetics. Journal of Molecular Biology, 2005, 354, 722-737.	4.2	40
16	Themes in ssDNA recognition by telomere-end protection proteins. Trends in Biochemical Sciences, 2006, 31, 516-525.	7.5	38
17	Structure of Est3 reveals a bimodal surface with differential roles in telomere replication. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 214-218.	7.1	36
18	Identification of the Determinants for the Specific Recognition of Single-Strand Telomeric DNA by Cdc13â€. Biochemistry, 2006, 45, 871-879.	2.5	34

#	Article	IF	Citations
19	Homology Among Telomeric End-Protection Proteins. Structure, 2003, 11, 1049-1050.	3.3	33
20	A New Model for Schizosaccharomyces pombe Telomere Recognition: The Telomeric Single-stranded DNA-Binding Activity of Pot11-389. Journal of Molecular Biology, 2006, 361, 80-93.	4.2	33
21	Spen links RNA-mediated endogenous retrovirus silencing and X chromosome inactivation. ELife, 2020, 9, .	6.0	33
22	Nonspecific Recognition Is Achieved in Pot1pC through the Use of Multiple Binding Modes. Structure, 2013, 21, 121-132.	3.3	29
23	Inhibition of yeast telomerase action by the telomeric ssDNA-binding protein, Cdc13p. Nucleic Acids Research, 2009, 37, 354-367.	14.5	26
24	The tenacious recognition of yeast telomere sequence by Cdc13 is fully exerted by a single OB-fold domain. Nucleic Acids Research, 2014, 42, 475-484.	14.5	25
25	hnRNPK recognition of the B motif of Xist and other biological RNAs. Nucleic Acids Research, 2020, 48, 9320-9335.	14.5	25
26	The glucocorticoid receptor DNA-binding domain recognizes RNA hairpin structures with high affinity. Nucleic Acids Research, 2019, 47, 8180-8192.	14.5	24
27	Tying up the Ends: Plasticity in the Recognition of Single-Stranded DNA at Telomeres. Biochemistry, 2016, 55, 5326-5340.	2.5	21
28	CST does not evict elongating telomerase but prevents initiation by ssDNA binding. Nucleic Acids Research, 2021, 49, 11653-11665.	14.5	21
29	Schizosaccharomyces pombe Protection of Telomeres 1 Utilizes Alternate Binding Modes To Accommodate Different Telomeric Sequences. Biochemistry, 2011, 50, 7503-7513.	2.5	20
30	Induced alignment and measurement of dipolar couplings of an SH2 domain through direct binding with filamentous phage. Journal of Biomolecular NMR, 1999, 14, 175-179.	2.8	18
31	Probing the mechanism of recognition of ssDNA by the Cdc13-DBD. Nucleic Acids Research, 2008, 36, 1624-1633.	14.5	18
32	Nonspecific Binding of RNA to PARP1 and PARP2 Does Not Lead to Catalytic Activation. Biochemistry, 2019, 58, 5107-5111.	2.5	18
33	Characterization of Protein-Protein Interactions Critical for Poliovirus Replication: Analysis of 3AB and VPg Binding to the RNA-Dependent RNA Polymerase. Journal of Virology, 2007, 81, 6369-6378.	3.4	17
34	Nonadditivity in the Recognition of Single-Stranded DNA by the Schizosaccharomyces pombe Protection of Telomeres 1 DNA-Binding Domain, Pot1-DBD. Biochemistry, 2009, 48, 6864-6875.	2.5	17
35	Sequence-Specific Binding to Telomeric DNA Is Not a Conserved Property of the Cdc13 DNA Binding Domain. Biochemistry, 2011, 50, 6289-6291.	2.5	15
36	Practical strategies for the evaluation of high-affinity protein/nucleic acid interactions. Journal of Nucleic Acids Investigation, 2013, 4, 3.	0.8	12

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37	Practical strategies for the evaluation of high-affinity protein/nucleic acid interactions. Journal of Nucleic Acids Investigation, 2013, 4, 3.	0.8	11
38	Deciphering the Mechanism of Thermodynamic Accommodation of Telomeric Oligonucleotide Sequences by the Schizosaccharomyces pombe Protection of Telomeres 1 (Pot1pN) Protein. Biochemistry, 2008, 47, 4345-4358.	2.5	10
39	A Small Molecule Inhibitor of Pot1 Binding to Telomeric DNA. Biochemistry, 2012, 51, 7833-7845.	2.5	10
40	The telomeric protein Pot1 from Schizosaccharomyces pombe binds ssDNA in two modes with differing 3â€² end availability. Nucleic Acids Research, 2014, 42, 9656-9665.	14.5	10
41	The DNA-Binding High-Mobility Group Box Domain of Sox Family Proteins Directly Interacts with RNA In Vitro. Biochemistry, 2022, 61, 943-951.	2.5	9
42	Insights into the Dynamics of Specific Telomeric Single-Stranded DNA Recognition by Pot1pN. Journal of Molecular Biology, 2009, 387, 935-948.	4.2	8
43	Electrostatic interactions in the reconstitution of an SH2 domain from constituent peptide fragments. Protein Science, 2003, 12, 44-55.	7.6	7
44	Single-stranded telomere-binding protein employs a dual rheostat for binding affinity and specificity that drives function. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 10315-10320.	7.1	7
45	Reconstitution of a native-like SH2 domain from disordered peptide fragments examined by multidimensional heteronuclear NMR. Protein Science, 2008, 10, 2162-2175.	7.6	5
46	Multimodal Recognition of Diverse Peptides by the C-Terminal SH2 Domain of Phospholipase C-Î³1 Protein. Biochemistry, 2017, 56, 2225-2237.	2.5	5
47	Diversity in peptide recognition by the SH2 domain of SH2B1. Proteins: Structure, Function and Bioinformatics, 2018, 86, 164-176.	2.6	5
48	1H, 13C and 15N resonance assignments of the DNA-binding domain of the essential protein Cdc13 complexed with single-stranded telomeric DNA. Journal of Biomolecular NMR, 2002, 22, 379-380.	2.8	3
49	Less Is More: Structures of Difficult Targets with Minimal Constraints. Structure, 2014, 22, 1223-1224.	3.3	3
50	Calorimetric Measurement of SH2 Domain Ligand Affinities. Methods in Molecular Biology, 2017, 1555, 291-305.	0.9	3
51	NMR Chemical Shift Mapping of SH2 Peptide Interactions. Methods in Molecular Biology, 2017, 1555, 269-290.	0.9	3
52	Cyp33 binds AU-rich RNA motifs via an extended interface that competitively disrupts the gene repressive Cyp33-MLL1 interaction in vitro. PLoS ONE, 2021, 16, e0237956.	2.5	2
53	Discrimination against RNA Backbones by a ssDNA Binding Protein. Structure, 2018, 26, 722-733.e2.	3.3	1
54	Measuring Low-Picomolar Apparent Binding Affinities by Minigel Electrophoretic Mobility Shift. Methods in Molecular Biology, 2019, 1855, 341-354.	0.9	1

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55	Tying up the Ends: Recognition of ssDNA at Telomeres. FASEB Journal, 2015, 29, 371.2.	0.5	0