

Liza Cubeddu

List of Publications by Year in descending order

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35
papers

1,094
citations

471509

17
h-index

414414

32
g-index

36
all docs

36
docs citations

36
times ranked

1180
citing authors

#	ARTICLE	IF	CITATIONS
1	Single-stranded DNA-binding protein hSSB1 is critical for genomic stability. <i>Nature</i> , 2008, 453, 677-681.	27.8	220
2	Insights into ssDNA recognition by the OB fold from a structural and thermodynamic study of <i>Sulfolobus</i> SSB protein. <i>EMBO Journal</i> , 2003, 22, 2561-2570.	7.8	122
3	Human single-stranded DNA binding proteins are essential for maintaining genomic stability. <i>BMC Molecular Biology</i> , 2013, 14, 9.	3.0	85
4	hSSB1 rapidly binds at the sites of DNA double-strand breaks and is required for the efficient recruitment of the MRN complex. <i>Nucleic Acids Research</i> , 2011, 39, 1692-1702.	14.5	70
5	hSSB1 interacts directly with the MRN complex stimulating its recruitment to DNA double-strand breaks and its endo-nuclease activity. <i>Nucleic Acids Research</i> , 2011, 39, 3643-3651.	14.5	70
6	DNA Damage Detection by an Archaeal Single-stranded DNA-binding Protein. <i>Journal of Molecular Biology</i> , 2005, 353, 507-516.	4.2	56
7	hSSB1 (NABP2/ OBFC2B) is required for the repair of 8-oxo-guanine by the hOGG1-mediated base excision repair pathway. <i>Nucleic Acids Research</i> , 2015, 43, 8817-8829.	14.5	37
8	The Archaeal XPB Protein is a ssDNA-Dependent ATPase with a Novel Partner. <i>Journal of Molecular Biology</i> , 2008, 376, 634-644.	4.2	31
9	hSSB1 (NABP2/OBFC2B) is regulated by oxidative stress. <i>Scientific Reports</i> , 2016, 6, 27446.	3.3	31
10	Homomeric Ring Assemblies of Eukaryotic Sm Proteins Have Affinity for Both RNA and DNA. <i>Journal of Biological Chemistry</i> , 2003, 278, 17291-17298.	3.4	29
11	The structural basis of DNA binding by the single-stranded DNA-binding protein from <i>Sulfolobus solfataricus</i> . <i>Biochemical Journal</i> , 2015, 465, 337-346.	3.7	29
12	A structural analysis of DNA binding by hSSB1 (NABP2/OBFC2B) in solution. <i>Nucleic Acids Research</i> , 2016, 44, 7963-7973.	14.5	26
13	Human single-stranded DNA binding protein 1 (hSSB1, OBFC2B), a critical component of the DNA damage response. <i>Seminars in Cell and Developmental Biology</i> , 2019, 86, 121-128.	5.0	26
14	Sequence specificity of single-stranded DNA-binding proteins: a novel DNA microarray approach. <i>Nucleic Acids Research</i> , 2007, 35, e75.	14.5	22
15	Contribution of DEAF1 Structural Domains to the Interaction with the Breast Cancer Oncogene LMO4. <i>PLoS ONE</i> , 2012, 7, e39218.	2.5	21
16	<i>Dictyostelium discoideum</i> as Expression Host: Isotopic Labeling of a Recombinant Glycoprotein for NMR Studies. <i>Protein Expression and Purification</i> , 2000, 19, 335-342.	1.3	20
17	A distinct ssDNA/RNA binding interface in the Nsp9 protein from SARS-CoV-2. <i>Proteins: Structure, Function and Bioinformatics</i> , 2022, 90, 176-185.	2.6	20
18	Single-Strand DNA-Binding Protein SSB1 Facilitates TERT Recruitment to Telomeres and Maintains Telomere G-Overhangs. <i>Cancer Research</i> , 2015, 75, 858-869.	0.9	19

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19	A Structural Analysis of DNA Binding by Myelin Transcription Factor 1 Double Zinc Fingers. <i>Journal of Biological Chemistry</i> , 2013, 288, 35180-35191.	3.4	17
20	hSSB1 phosphorylation is dynamically regulated by DNA-PK and PPP-family protein phosphatases. <i>DNA Repair</i> , 2017, 54, 30-39.	2.8	15
21	High-affinity RNA binding by a hyperthermophilic single-stranded DNA-binding protein. <i>Extremophiles</i> , 2017, 21, 369-379.	2.3	14
22	A data-driven structural model of hSSB1 (NABP2/OBFC2B) self-oligomerization. <i>Nucleic Acids Research</i> , 2017, 45, 8609-8620.	14.5	14
23	Engineered Rings of Mixed Yeast Lsm Proteins Show Differential Interactions with Translation Factors and U-Rich RNA. <i>Biochemistry</i> , 2010, 49, 2335-2345.	2.5	13
24	Semiquantitative and quantitative analysis of protein-DNA interactions using steady-state measurements in surface plasmon resonance competition experiments. <i>Analytical Biochemistry</i> , 2013, 440, 178-185.	2.4	13
25	The Structure of an LIM-Only Protein 4 (LMO4) and Deformed Epidermal Autoregulatory Factor-1 (DEAF1) Complex Reveals a Common Mode of Binding to LMO4. <i>PLoS ONE</i> , 2014, 9, e109108.	2.5	13
26	A Structural Perspective on the Regulation of Human Single-Stranded DNA Binding Protein 1 (hSSB1). <i>Trends Biochem Sci</i> , 2017, 42, 441-446.	4.1	10
27	The structural details of the interaction of single-stranded DNA binding protein hSSB2 (NABP1/OBFC2A) with UV-damaged DNA. <i>Proteins: Structure, Function and Bioinformatics</i> , 2020, 88, 319-326.	2.6	10
28	Backbone and side-chain ¹ H, ¹³ C and ¹⁵ N resonance assignments of the OB domain of the single stranded DNA binding protein from <i>Sulfolobus solfataricus</i> and chemical shift mapping of the DNA-binding interface. <i>Biomolecular NMR Assignments</i> , 2014, 8, 243-246.	0.8	9
29	Biophysical Characterisation and Quantification of Nucleic Acid-Protein Interactions: EMSA, MST and SPR. <i>Current Protein and Peptide Science</i> , 2015, 16, 727-734.	1.4	8
30	Backbone ¹ H, ¹³ C and ¹⁵ N resonance assignments of the OB domain of the single stranded DNA-binding protein hSSB1 (NABP2/OBFC2B) and chemical shift mapping of the DNA-binding interface. <i>Biomolecular NMR Assignments</i> , 2016, 10, 297-300.	0.8	7
31	hSSB2 (NABP1) is required for the recruitment of RPA during the cellular response to DNA UV damage. <i>Scientific Reports</i> , 2021, 11, 20256.	3.3	6
32	Backbone and side-chain assignments of a tethered complex between LMO4 and DEAF-1. <i>Biomolecular NMR Assignments</i> , 2014, 8, 141-144.	0.8	4
33	Backbone ¹ H, ¹³ C and ¹⁵ N resonance assignments of the OB domain of the single stranded DNA-binding protein hSSB2 (NABP1/OBFC2A) and chemical shift mapping of the DNA-binding interface. <i>Biomolecular NMR Assignments</i> , 2018, 12, 107-111.	0.8	3
34	NMR assignment of prespore specific antigen A cell surface adhesion glycoprotein from <i>Dictyostelium discoideum</i> . <i>Biomolecular NMR Assignments</i> , 2009, 3, 1-3.	0.8	2
35	Expression, Purification, and Solution-State NMR Analysis of the Two Human Single-Stranded DNA-Binding Proteins (NABP2/OBFC2B) and (NABP1/OBFC2A). <i>Methods in Molecular Biology</i> , 2021, 2281, 229-240.	0.9	0