

# Sophie Zinn-Justin

## List of Publications by Year in descending order

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Version: 2024-02-01

50  
papers

1,877  
citations

361413

20  
h-index

265206

42  
g-index

52  
all docs

52  
docs citations

52  
times ranked

2270  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Ig-like Structure of the C-Terminal Domain of Lamin A/C, Mutated in Muscular Dystrophies, Cardiomyopathy, and Partial Lipodystrophy. <i>Structure</i> , 2002, 10, 811-823.	3.3	252
2	Automated classification of tailed bacteriophages according to their neck organization. <i>BMC Genomics</i> , 2014, 15, 1027.	2.8	203
3	The Carboxyl-Terminal Region Common to Lamins A and C Contains a DNA Binding Domain. <i>Biochemistry</i> , 2003, 42, 4819-4828.	2.5	157
4	Structural Characterization of the LEM Motif Common to Three Human Inner Nuclear Membrane Proteins. <i>Structure</i> , 2001, 9, 503-511.	3.3	107
5	Structure of bacteriophage SPP1 head-to-tail connection reveals mechanism for viral DNA gating. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 8507-8512.	7.1	107
6	The Tudor Tandem of 53BP1. <i>Structure</i> , 2004, 12, 1551-1562.	3.3	96
7	Compound heterozygosity for mutations in LMNA causes a progeria syndrome without prelamin A accumulation. <i>Human Molecular Genetics</i> , 2006, 15, 2509-2522.	2.9	83
8	Structural analysis of emerin, an inner nuclear membrane protein mutated in X-linked Emery-Dreifuss muscular dystrophy. <i>FEBS Letters</i> , 2001, 501, 171-176.	2.8	62
9	The Carboxyl-terminal Nucleoplasmic Region of MAN1 Exhibits a DNA Binding Winged Helix Domain. <i>Journal of Biological Chemistry</i> , 2006, 281, 18208-18215.	3.4	60
10	Structural analysis of the ternary complex between lamin A/C, BAF and emerin identifies an interface disrupted in autosomal recessive progeroid diseases. <i>Nucleic Acids Research</i> , 2018, 46, 10460-10473.	14.5	54
11	Structural rearrangements in the phage head-to-tail interface during assembly and infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 7009-7014.	7.1	53
12	Inhibition of TGF- $\beta$ 2 Signaling at the Nuclear Envelope: Characterization of Interactions Between MAN1, Smad2 and Smad3, and PPM1A. <i>Science Signaling</i> , 2013, 6, ra49.	3.6	44
13	Proper chromosome alignment depends on BRCA2 phosphorylation by PLK1. <i>Nature Communications</i> , 2020, 11, 1819.	12.8	38
14	Architecture of the flexible tail tube of bacteriophage SPP1. <i>Nature Communications</i> , 2020, 11, 5759.	12.8	37
15	Structures of biomolecular complexes by combination of NMR and cryoEM methods. <i>Current Opinion in Structural Biology</i> , 2017, 43, 104-113.	5.7	32
16	Structural Analysis of the Smad2~MAN1 Interaction That Regulates Transforming Growth Factor- $\beta$ 2 Signaling at the Inner Nuclear Membrane. <i>Biochemistry</i> , 2010, 49, 8020-8032.	2.5	29
17	Bacteriophage Tail~Tube Assembly Studied by Proton~Detected 4D Solid~State NMR. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 9497-9501.	13.8	27
18	The checkpoint <i>Saccharomyces cerevisiae</i> Rad9 protein contains a tandem tudor domain that recognizes DNA. <i>Nucleic Acids Research</i> , 2007, 35, 5898-5912.	14.5	26

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19	Di-phosphorylated BAF shows altered structural dynamics and binding to DNA, but interacts with its nuclear envelope partners. <i>Nucleic Acids Research</i> , 2021, 49, 3841-3855.	14.5	25
20	Variability in automated assignment of NOESY spectra and three-dimensional structure determination: a test case on three small disulfide-bonded proteins. <i>Journal of Biomolecular NMR</i> , 2001, 19, 49-62.	2.8	24
21	Bacteriophage SPP1 Tail Tube Protein Self-assembles into $\beta^2$ -Structure-rich Tubes. <i>Journal of Biological Chemistry</i> , 2015, 290, 3836-3849.	3.4	24
22	Protein structural and mechanistic basis of progeroid laminopathies. <i>FEBS Journal</i> , 2021, 288, 2757-2772.	4.7	23
23	High affinity anchoring of the decoration protein pb10 onto the bacteriophage T5 capsid. <i>Scientific Reports</i> , 2017, 7, 41662.	3.3	21
24	Combining Homologous Recombination and Phosphopeptide-binding Data to Predict the Impact of <i>BRCA1</i> BRCT Variants on Cancer Risk. <i>Molecular Cancer Research</i> , 2019, 17, 54-69.	3.4	21
25	Lamin B1 sequesters 53BP1 to control its recruitment to DNA damage. <i>Science Advances</i> , 2021, 7, .	10.3	21
26	A Tandem of SH3-like Domains Participates in RNA Binding in KIN17, a Human Protein Activated in Response to Genotoxics. <i>Journal of Molecular Biology</i> , 2006, 364, 764-776.	4.2	20
27	Solution structure of the region 51-160 of human KIN17 reveals an atypical winged helix domain. <i>Protein Science</i> , 2007, 16, 2750-2755.	7.6	20
28	Cyclic imine toxins survey in coastal european shellfish samples: Bioaccumulation and mode of action of 28-O-palmitoyl ester of pinnatoxin-G. first report of portimine-A bioaccumulation.. <i>Harmful Algae</i> , 2020, 98, 101887.	4.8	18
29	Muscular Dystrophy Mutations Impair the Nuclear Envelope Emerin Self-assembly Properties. <i>ACS Chemical Biology</i> , 2015, 10, 2733-2742.	3.4	16
30	Emerin self-assembly mechanism: role of the LEM domain. <i>FEBS Journal</i> , 2017, 284, 338-352.	4.7	16
31	Solution structure of gp17 from the <i>Siphoviridae</i> bacteriophage SPP1: Insights into its role in virion assembly. <i>Proteins: Structure, Function and Bioinformatics</i> , 2012, 80, 319-326.	2.6	15
32	Protein-Protein Interfaces Probed by Methyl Labeling and Proton-Detected Solid-State NMR Spectroscopy. <i>ChemPhysChem</i> , 2018, 19, 2457-2460.	2.1	15
33	Sensitivity-Enhanced <sup>13</sup> C-NMR Spectroscopy for Monitoring Multisite Phosphorylation at Physiological Temperature and pH. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 10411-10415.	13.8	15
34	An Emerin LEM-Domain Mutation Impairs Cell Response to Mechanical Stress. <i>Cells</i> , 2019, 8, 570.	4.1	14
35	Boundaries and physical characterization of a new domain shared between mammalian 53BP1 and yeast Rad9 checkpoint proteins. <i>Protein Science</i> , 2005, 14, 1827-1839.	7.6	13
36	<sup>1</sup> H, <sup>13</sup> C and <sup>15</sup> N backbone resonance assignment of the intrinsically disordered region of the nuclear envelope protein emerin. <i>Biomolecular NMR Assignments</i> , 2016, 10, 179-182.	0.8	8

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37	BRCA2 binding through a cryptic repeated motif to HSF2BP oligomers does not impact meiotic recombination. <i>Nature Communications</i> , 2021, 12, 4605.	12.8	8
38	Dissecting the roles of Haspin and VRK1 in histone H3 phosphorylation during mitosis. <i>Scientific Reports</i> , 2022, 12, .	3.3	8
39	Crystallization and halide phasing of the C-terminal domain of human KIN17. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2006, 62, 245-248.	0.7	7
40	Purification and Structural Analysis of LEM-Domain Proteins. <i>Methods in Enzymology</i> , 2016, 569, 43-61.	1.0	7
41	Bacteriophage Tailâ€Tube Assembly Studied by Protonâ€Detected 4D Solidâ€State NMR. <i>Angewandte Chemie</i> , 2017, 129, 9625-9629.	2.0	6
42	<sup>1</sup> H, <sup>13</sup> C and <sup>15</sup> N backbone resonance assignment of the human BRCA2 N-terminal region. <i>Biomolecular NMR Assignments</i> , 2020, 14, 79-85.	0.8	6
43	Sensitivityâ€Enhanced <sup>13</sup> C NMR Spectroscopy for Monitoring Multisite Phosphorylation at Physiological Temperature and pH. <i>Angewandte Chemie</i> , 2020, 132, 10497-10501.	2.0	6
44	Intrinsic Disorder and Phosphorylation in BRCA2 Facilitate Tight Regulation of Multiple Conserved Binding Events. <i>Biomolecules</i> , 2021, 11, 1060.	4.0	6
45	The high protein expression of FOXO3, but not that of FOXO1, is associated with markers of good prognosis. <i>Scientific Reports</i> , 2020, 10, 6920.	3.3	5
46	<sup>1</sup> H, <sup>13</sup> C and <sup>15</sup> N resonance assignments of the C-terminal domain of human lamin A/C. <i>Journal of Biomolecular NMR</i> , 2002, 22, 371-372.	2.8	4
47	Letter to the Editor: <sup>1</sup> H, <sup>13</sup> C and <sup>15</sup> N Resonance Assignments of the Region 1463-1617 of the Mouse p53 Binding Protein 1 (53BP1). <i>Journal of Biomolecular NMR</i> , 2004, 28, 303-304.	2.8	4
48	NMR Assignment of Region 51â€160 of Human KIN17, a DNA and RNA-binding Protein. <i>Journal of Biomolecular NMR</i> , 2006, 36, 29-29.	2.8	3
49	The phospho-dependent role of BRCA2 on the maintenance of chromosome integrity. <i>Cell Cycle</i> , 2021, 20, 731-741.	2.6	3
50	<sup>1</sup> H, <sup>13</sup> C and <sup>15</sup> N backbone resonance assignment of the lamin C-terminal region specific to prelamin A. <i>Biomolecular NMR Assignments</i> , 2018, 12, 225-229.	0.8	1