

# Juli Feigon

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

98  
papers

6,872  
citations

47  
h-index

82  
g-index

105  
ext. papers

7,426  
ext. citations

12.3  
avg, IF

5.81  
L-index

#	Paper	IF	Citations
98	Structure of telomerase protein Pof8 C-terminal domain is an xRRM conserved among LARP7 proteins. <i>RNA Biology</i> , <b>2021</b> , 18, 1181-1192	4.8	8
97	Structures of telomerase at several steps of telomere repeat synthesis. <i>Nature</i> , <b>2021</b> , 593, 454-459	50.4	13
96	A structurally conserved human and telomerase catalytic core. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 31078-31087	11.5	6
95	Structural Biology of Telomerase. <i>Cold Spring Harbor Perspectives in Biology</i> , <b>2019</b> , 11,	10.2	18
94	Structural basis of 7SK RNA 5SEphosphate methylation and retention by MePCE. <i>Nature Chemical Biology</i> , <b>2019</b> , 15, 132-140	11.7	14
93	Inhibiting amyloid- $\beta$ cytotoxicity through its interaction with the cell surface receptor LILRB2 by structure-based design. <i>Nature Chemistry</i> , <b>2018</b> , 10, 1213-1221	17.6	24
92	Structure of Telomerase with Telomeric DNA. <i>Cell</i> , <b>2018</b> , 173, 1179-1190.e13	56.2	68
91	Structural basis for recognition of human 7SK long noncoding RNA by the La-related protein Larp7. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, E6457-E6466	11.5	31
90	Structure and folding of the Tetrahymena telomerase RNA pseudoknot. <i>Nucleic Acids Research</i> , <b>2017</b> , 45, 482-495	20.1	21
89	Shared Subunits of Tetrahymena Telomerase Holoenzyme and Replication Protein A Have Different Functions in Different Cellular Complexes. <i>Journal of Biological Chemistry</i> , <b>2017</b> , 292, 217-228	5.4	16
88	Progress in Human and Tetrahymena Telomerase Structure Determination. <i>Annual Review of Biophysics</i> , <b>2017</b> , 46, 199-225	21.1	30
87	Structural biology of telomerase and its interaction at telomeres. <i>Current Opinion in Structural Biology</i> , <b>2017</b> , 47, 77-87	8.1	18
86	Structural conservation in the template/pseudoknot domain of vertebrate telomerase RNA from teleost fish to human. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, E5125-34	11.5	16
85	Integrative structural biology of Tetrahymena telomerase - insights into catalytic mechanism and interaction at telomeres. <i>FEBS Journal</i> , <b>2016</b> , 283, 2044-50	5.7	10
84	hLARP7 C-terminal domain contains an xRRM that binds the 3' hairpin of 7SK RNA. <i>Nucleic Acids Research</i> , <b>2016</b> , 44, 9977-9989	20.1	24
83	Structure of Tetrahymena telomerase reveals previously unknown subunits, functions, and interactions. <i>Science</i> , <b>2015</b> , 350, aab4070	33.3	105
82	Back to the future of RNA structure. <i>Rna</i> , <b>2015</b> , 21, 611-2	5.8	3

81	Structure and interactions of the CS domain of human H/ACA RNP assembly protein Shq1. <i>Journal of Molecular Biology</i> , <b>2015</b> , 427, 807-823	6.5	8
80	Progress in structural studies of telomerase. <i>Current Opinion in Structural Biology</i> , <b>2014</b> , 24, 115-24	8.1	15
79	Structure and function of preQ riboswitches. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , <b>2014</b> , 1839, 939-950	6	24
78	Structure and sequence elements of the CR4/5 domain of medaka telomerase RNA important for telomerase function. <i>Nucleic Acids Research</i> , <b>2014</b> , 42, 3395-408	20.1	27
77	Tetrahymena telomerase holoenzyme assembly, activation, and inhibition by domains of the p50 central hub. <i>Molecular and Cellular Biology</i> , <b>2013</b> , 33, 3962-71	4.8	20
76	Intrinsic dynamics of an extended hydrophobic core in the <i>S. cerevisiae</i> RNase III dsRBD contributes to recognition of specific RNA binding sites. <i>Journal of Molecular Biology</i> , <b>2013</b> , 425, 546-62	6.5	12
75	The architecture of Tetrahymena telomerase holoenzyme. <i>Nature</i> , <b>2013</b> , 496, 187-92	50.4	82
74	Molecular mechanism of GTPase activation at the signal recognition particle (SRP) RNA distal end. <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 36385-97	5.4	21
73	Pyrimidine motif triple helix in the <i>Kluyveromyces lactis</i> telomerase RNA pseudoknot is essential for function in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 10970-5	11.5	48
72	xRRM: a new class of RRM found in the telomerase La family protein p65. <i>RNA Biology</i> , <b>2013</b> , 10, 353-9	4.8	31
71	Structural basis for telomerase RNA recognition and RNP assembly by the holoenzyme La family protein p65. <i>Molecular Cell</i> , <b>2012</b> , 47, 16-26	17.6	80
70	Single-Molecule FRET Reveals the Folding Dynamics of the Human Telomerase RNA Pseudoknot Domain. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 5978-5981	3.6	6
69	Solution Structure of a Parallel-Stranded Oligoisoguanine DNA Pentaplex Formed by d(T(iG)4T) in the Presence of Cs+ Ions. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 8076-8079	3.6	3
68	Single-molecule FRET reveals the folding dynamics of the human telomerase RNA pseudoknot domain. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 5876-9	16.4	47
67	Solution structure of a parallel-stranded oligoisoguanine DNA pentaplex formed by d(T(iG)4 T) in the presence of Cs+ ions. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 7952-5	16.4	18
66	Structure of H/ACA RNP protein Nhp2p reveals cis/trans isomerization of a conserved proline at the RNA and Nop10 binding interface. <i>Journal of Molecular Biology</i> , <b>2011</b> , 411, 927-42	6.5	26
65	Structure of a yeast RNase III dsRBD complex with a noncanonical RNA substrate provides new insights into binding specificity of dsRBDs. <i>Structure</i> , <b>2011</b> , 19, 999-1010	5.2	45
64	Comparison of solution and crystal structures of preQ1 riboswitch reveals calcium-induced changes in conformation and dynamics. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 5190-3	16.4	46

63	Architecture of human telomerase RNA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 20325-32	11.5	105
62	Structurally conserved five nucleotide bulge determines the overall topology of the core domain of human telomerase RNA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 18761-8	11.5	50
61	Effect of pseudouridylation on the structure and activity of the catalytically essential P6.1 hairpin in human telomerase RNA. <i>Nucleic Acids Research</i> , <b>2010</b> , 38, 6746-56	20.1	47
60	Structure and functional studies of the CS domain of the essential H/ACA ribonucleoparticle assembly protein SHQ1. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 1906-16	5.4	22
59	Solution structure and dynamics of the wild-type pseudoknot of human telomerase RNA. <i>Journal of Molecular Biology</i> , <b>2008</b> , 384, 1249-61	6.5	72
58	Structure and function of human telomerase and H/ACA RNA. <i>FASEB Journal</i> , <b>2008</b> , 22, 259.2	0.9	
57	Structural and functional characterization of human telomerase RNA processing and cajal body localization signals. <i>Molecular Cell</i> , <b>2007</b> , 27, 869-81	17.6	77
56	Structure and function of telomerase RNA. <i>Current Opinion in Structural Biology</i> , <b>2006</b> , 16, 307-18	8.1	159
55	Structure of the Tetrahymena thermophila telomerase RNA helix II template boundary element. <i>Nucleic Acids Research</i> , <b>2006</b> , 34, 816-25	20.1	25
54	Structural study of elements of Tetrahymena telomerase RNA stem-loop IV domain important for function. <i>Rna</i> , <b>2006</b> , 12, 1475-85	5.8	37
53	Characterization of the cation and temperature dependence of DNA quadruplex hydrogen bond properties using high-resolution NMR. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 14466-72	16.4	44
52	Site-directed spin labeling studies reveal solution conformational changes in a GAAA tetraloop receptor upon Mg(2+)-dependent docking of a GAAA tetraloop. <i>Journal of Molecular Biology</i> , <b>2005</b> , 351, 1-8	6.5	44
51	Structure of the human telomerase RNA pseudoknot reveals conserved tertiary interactions essential for function. <i>Molecular Cell</i> , <b>2005</b> , 17, 671-82	17.6	250
50	Structure determination of protein/RNA complexes by NMR. <i>Methods in Enzymology</i> , <b>2005</b> , 394, 525-45	1.7	34
49	Biochemical and genomic analysis of substrate recognition by the double-stranded RNA binding domain of yeast RNase III. <i>Rna</i> , <b>2005</b> , 11, 1225-37	5.8	11
48	DNA A-tract bending in three dimensions: solving the dA4T4 vs. dT4A4 conundrum. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2004</b> , 101, 1177-82	11.5	118
47	Structural basis for recognition of the AGNN tetraloop RNA fold by the double-stranded RNA-binding domain of Rnt1p RNase III. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2004</b> , 101, 8307-12	11.5	133
46	Specificity of the interaction between ubiquitin-associated domains and ubiquitin. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 11926-36	5.4	86

45	Structure of the XPC binding domain of hHR23A reveals hydrophobic patches for protein interaction. <i>Protein Science</i> , <b>2004</b> , 13, 2370-7	6.3	29
44	New applications of 2D filtered/edited NOESY for assignment and structure elucidation of RNA and RNA-protein complexes. <i>Journal of Biomolecular NMR</i> , <b>2004</b> , 28, 59-67	3	97
43	Contributions of the RNA-binding and linker domains and RNA structure to the specificity and affinity of the nucleolin RBD12/NRE interaction. <i>Biochemistry</i> , <b>2004</b> , 43, 6937-47	3.2	8
42	Solution structure of the complex formed by the two N-terminal RNA-binding domains of nucleolin and a pre-rRNA target. <i>Journal of Molecular Biology</i> , <b>2004</b> , 337, 799-816	6.5	51
41	Solution structures of stem-loop RNAs that bind to the two N-terminal RNA-binding domains of nucleolin. <i>Nucleic Acids Research</i> , <b>2003</b> , 31, 6461-72	20.1	28
40	Mutations linked to dyskeratosis congenita cause changes in the structural equilibrium in telomerase RNA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2003</b> , 100, 449-54	11.5	145
39	Structural determinants for the binding of ubiquitin-like domains to the proteasome. <i>EMBO Journal</i> , <b>2003</b> , 22, 4634-45	13	100
38	Monitoring RNA base structure and dynamics using site-directed spin labeling. <i>Biochemistry</i> , <b>2003</b> , 42, 6772-83	3.2	107
37	Determination of the glycosidic torsion angles in uniformly <sup>13</sup> C-labeled nucleic acids from vicinal coupling constants 3J(C2)/4-H1Sand 3J(C6)/8-H1S <i>Journal of Biomolecular NMR</i> , <b>2002</b> , 23, 1-12	3	23
36	Solution structures of UBA domains reveal a conserved hydrophobic surface for protein-protein interactions. <i>Journal of Molecular Biology</i> , <b>2002</b> , 319, 1243-55	6.5	150
35	Measurement of small scalar and dipolar couplings in purine and pyrimidine bases. <i>Journal of Biomolecular NMR</i> , <b>2001</b> , 21, 153-60	3	31
34	Solution nuclear magnetic resonance probing of cation binding sites on nucleic acids. <i>Methods in Enzymology</i> , <b>2001</b> , 338, 400-20	1.7	29
33	Recognition of pre-formed and flexible elements of an RNA stem-loop by nucleolin. <i>Journal of Molecular Biology</i> , <b>2001</b> , 309, 763-75	6.5	56
32	A DFT study of the interresidue dependencies of scalar J-coupling and magnetic shielding in the hydrogen-bonding regions of a DNA triplex. <i>Journal of the American Chemical Society</i> , <b>2001</b> , 123, 4014-22	16.4	113
31	Quantitative analysis of the isolated GAAA tetraloop/receptor interaction in solution: a site-directed spin labeling study. <i>Biochemistry</i> , <b>2001</b> , 40, 6929-36	3.2	111
30	Characterization of the hydrogen bond network in guanosine quartets by internucleotide 3hJ(NC)S and 2hJ(NN) scalar couplings. <i>Journal of Biomolecular NMR</i> , <b>2000</b> , 16, 279-89	3	77
29	Solution structure of the two N-terminal RNA-binding domains of nucleolin and NMR study of the interaction with its RNA target. <i>Journal of Molecular Biology</i> , <b>2000</b> , 303, 227-41	6.5	57
28	Biochemical and structural analysis of the interaction between the UBA(2) domain of the DNA repair protein HHR23A and HIV-1 Vpr. <i>Biochemistry</i> , <b>2000</b> , 39, 14103-12	3.2	68

27	The effect of sodium, potassium and ammonium ions on the conformation of the dimeric quadruplex formed by the <i>Oxytricha nova</i> telomere repeat oligonucleotide d(G(4)T(4)G(4)). <i>Nucleic Acids Research</i> , <b>1999</b> , 27, 3018-28	20.1	203
26	Solution structure of the loop B domain from the hairpin ribozyme. <i>Nature Structural Biology</i> , <b>1999</b> , 6, 212-6		107
25	Multistranded DNA structures. <i>Current Opinion in Structural Biology</i> , <b>1999</b> , 9, 305-14	8.1	254
24	Binding sites and dynamics of ammonium ions in a telomere repeat DNA quadruplex. <i>Journal of Molecular Biology</i> , <b>1999</b> , 285, 233-43	6.5	147
23	Localization of ammonium ions in the minor groove of DNA duplexes in solution and the origin of DNA A-tract bending. <i>Journal of Molecular Biology</i> , <b>1999</b> , 286, 651-60	6.5	190
22	Structure of a human DNA repair protein UBA domain that interacts with HIV-1 Vpr. <i>Nature Structural Biology</i> , <b>1998</b> , 5, 1042-7		114
21	Solution Structure of an Intramolecular Pyrimidine-Purine-Pyrimidine Triplex Containing an RNA Third Strand. <i>Journal of the American Chemical Society</i> , <b>1998</b> , 120, 4281-4289	16.4	37
20	Solution structure of an intramolecular DNA triplex linked by hexakis(ethylene glycol) units: d(AGAGAGAA-(EG) <sub>6</sub> -TTCTCTCT-(EG) <sub>6</sub> -TCTCTCTT). <i>Biochemistry</i> , <b>1998</b> , 37, 5810-9	3.2	51
19	Solution structure of an intramolecular DNA triplex containing 5-(1-propynyl)-2-deoxyuridine residues in the third strand. <i>Biochemistry</i> , <b>1998</b> , 37, 5820-30	3.2	34
18	Ammonium Ion as an NMR Probe for Monovalent Cation Coordination Sites of DNA Quadruplexes. <i>Journal of the American Chemical Society</i> , <b>1998</b> , 120, 6403-6404	16.4	85
17	Extraction of spectral information from a short-time signal using filter-diagonalization: Recent developments and applications to semiclassical reaction dynamics and nuclear magnetic resonance signals. <i>Journal of Chemical Physics</i> , <b>1998</b> , 108, 8360-8368	3.9	44
16	Simple, efficient protocol for enzymatic synthesis of uniformly <sup>13</sup> C, <sup>15</sup> N-labeled DNA for heteronuclear NMR studies. <i>Nucleic Acids Research</i> , <b>1998</b> , 26, 2618-24	20.1	43
15	Chirality errors in nucleic acid structures. <i>Nature</i> , <b>1997</b> , 387, 668	50.4	24
14	Assignment methodology for larger RNA oligonucleotides: application to an ATP-binding RNA aptamer. <i>Journal of Biomolecular NMR</i> , <b>1997</b> , 9, 259-72	3	73
13	The selectivity for K <sup>+</sup> versus Na <sup>+</sup> in DNA quadruplexes is dominated by relative free energies of hydration: a thermodynamic analysis by <sup>1</sup> H NMR. <i>Biochemistry</i> , <b>1996</b> , 35, 15383-90	3.2	292
12	Through-bond correlation of imino and aromatic resonances in <sup>13</sup> C-, <sup>15</sup> N-labeled RNA via heteronuclear TOCSY. <i>Journal of Biomolecular NMR</i> , <b>1996</b> , 7, 83-7	3	54
11	<sup>1</sup> H NMR spectroscopy of DNA triplexes and quadruplexes. <i>Methods in Enzymology</i> , <b>1995</b> , 261, 225-55	1.7	94
10	Solution structures of unimolecular quadruplexes formed by oligonucleotides containing <i>Oxytricha</i> telomere repeats. <i>Structure</i> , <b>1995</b> , 3, 997-1008	5.2	62

9	Refined solution structure of the dimeric quadruplex formed from the Oxytricha telomeric oligonucleotide d(GGGGTTTTGGGG). <i>Structure</i> , <b>1994</b> , 2, 221-33	5.2	159
8	Strand orientation in the DNA quadruplex formed from the Oxytricha telomere repeat oligonucleotide d(G4T4G4) in solution. <i>Biochemistry</i> , <b>1993</b> , 32, 8682-92	3.2	169
7	A new DNA quadruplex. <i>Current Biology</i> , <b>1993</b> , 3, 611-3	6.3	8
6	Proton NMR study of the [d(ACGTATACGT)] <sub>2</sub> -2echinomycin complex: conformational changes between echinomycin binding sites. <i>Nucleic Acids Research</i> , <b>1992</b> , 20, 2411-20	20.1	38
5	Sugar conformations in intramolecular DNA triplexes determined by coupling constants obtained by automated simulation of P.COSY cross peaks. <i>Journal of the American Chemical Society</i> , <b>1992</b> , 114, 781-783	16.4	99
4	Quadruplex structure of Oxytricha telomeric DNA oligonucleotides. <i>Nature</i> , <b>1992</b> , 356, 164-8	50.4	491
3	Triple-strand formation in the homopurine:homopyrimidine DNA oligonucleotides d(G-A) <sub>4</sub> and d(T-C) <sub>4</sub> . <i>Nature</i> , <b>1989</b> , 339, 637-40	50.4	247
2	NMR studies of triple-strand formation from the homopurine-homopyrimidine deoxyribonucleotides d(GA) <sub>4</sub> and d(TC) <sub>4</sub> . <i>Biochemistry</i> , <b>1989</b> , 28, 7859-70	3.2	168
1	Structure of S. pombe telomerase protein Pof8 C-terminal domain is an xRRM conserved among LARP7 proteins		1