

# Nancy L Greenbaum

## List of Publications by Year in descending order

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32  
papers

777  
citations

567281

15  
h-index

501196

28  
g-index

35  
all docs

35  
docs citations

35  
times ranked

775  
citing authors

#	ARTICLE	IF	CITATIONS
1	Topology of the U12â€“U6<sub>atac</sub> snRNA Complex of the Minor Spliceosome and Binding by NTC-Related Protein RBM22. ACS Omega, 2020, 5, 23549-23558.	3.5	1
2	Label-free horizontal EMSA for analysis of protein-RNA interactions. Analytical Biochemistry, 2020, 599, 113736.	2.4	6
3	Role of the central junction in folding topology of the protein-free human U2â€“U6 snRNA complex. Rna, 2020, 26, 836-850.	3.5	3
4	Facile synthesis of chlorin bioconjugates by a series of click reactions. Chemical Communications, 2017, 53, 3773-3776.	4.1	9
5	Triangulating Nucleic Acid Conformations Using Multicolor Surface Energy Transfer. ACS Nano, 2016, 10, 1926-1938.	14.6	16
6	Interaction between the Spliceosomal Pre-mRNA Branch Site and U2 snRNP Protein p14. Biochemistry, 2016, 55, 629-632.	2.5	7
7	Use of 19F NMR Methods to Probe Conformational Heterogeneity and Dynamics of Exchange in Functional RNA Molecules. Methods in Enzymology, 2014, 549, 267-285.	1.0	11
8	Role of helical constraints of the EBS1â€“IBS1 duplex of a group II intron on demarcation of the 5â€“ splice site. Rna, 2014, 20, 24-35.	3.5	6
9	Measurement of chemical exchange between RNA conformers by 19F NMR. Biochemical and Biophysical Research Communications, 2014, 453, 692-695.	2.1	21
10	Conformational heterogeneity of the protein-free human spliceosomal U2-U6 snRNA complex. Rna, 2013, 19, 561-573.	3.5	14
11	A Combinatorial Approach for Multiple RNA Interaction: Formulations, Approximations, and Heuristics. Lecture Notes in Computer Science, 2013, , 421-433.	1.3	7
12	Impact of base pair identity 5â€“ to the spliceosomal branch site adenosine on branch site conformation. Rna, 2012, 18, 2093-2103.	3.5	3
13	Use of RNA-bound Tb3+ as a FRET donor. Methods, 2010, 52, 173-179.	3.8	6
14	Specificity of Mg2+ binding at the Group II intron branch site. Biophysical Chemistry, 2008, 136, 96-100.	2.8	2
15	DNA damage-site recognition by lysine conjugates. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 13016-13021.	7.1	30
16	The electrostatic characteristics of G{middle dot}U wobble base pairs. Nucleic Acids Research, 2007, 35, 3836-3847.	14.5	38
17	Use of a novel Forster resonance energy transfer method to identify locations of site-bound metal ions in the U2-U6 snRNA complex. Nucleic Acids Research, 2007, 35, 2833-2845.	14.5	36
18	Conformation of the Group II Intron Branch Site in Solution. Journal of the American Chemical Society, 2006, 128, 3866-3867.	13.7	14

#	ARTICLE	IF	CITATIONS
19	Protected <sup>32</sup> P-Labels in Deoxyribonucleotides: Investigation of Sequence Selectivity of DNA Photocleavage by Eneidyne <sup>+</sup> , Fulvene <sup>+</sup> , and Acetylene <sup>+</sup> Lysine Conjugates. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 3666-3670.	13.8	42
20	NMR spectroscopy of RNA duplexes containing pseudouridine in supercooled water. <i>Rna</i> , 2005, 11, 1012-1016.	3.5	18
21	Recognition of the spliceosomal branch site RNA helix on the basis of surface and electrostatic features. <i>Nucleic Acids Research</i> , 2005, 33, 1154-1161.	14.5	18
22	Role of a Conserved Pseudouridine in Spliceosomal Pre-mRNA Branch Site Conformation. <i>ACS Symposium Series</i> , 2004, , 165-175.	0.5	0
23	Binding of Europium(III) ions to RNA stem loops: Role of the primary hydration sphere in complex formation. <i>Biopolymers</i> , 2003, 69, 100-109.	2.4	15
24	Investigation of Overhauser effects between pseudouridine and water protons in RNA helices. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 12697-12702.	7.1	93
25	Sequestering of Eu(III) by a GAAA RNA Tetraloop. <i>Journal of the American Chemical Society</i> , 2002, 124, 3525-3532.	13.7	32
26	Sculpting of the spliceosomal branch site recognition motif by a conserved pseudouridine. <i>Nature Structural Biology</i> , 2002, 9, 958-965.	9.7	123
27	Probing of Metal-Binding Domains of RNA Hairpin Loops by Laser-Induced Lanthanide(III) Luminescence <sup>+</sup> . <i>Biochemistry</i> , 2001, 40, 1124-1134.	2.5	32
28	A conserved pseudouridine modification in eukaryotic U2 snRNA induces a change in branch-site architecture. <i>Rna</i> , 2001, 7, 833-845.	3.5	106
29	Analysis of oligonucleotides and unincorporated nucleotides from <i>in vitro</i> transcription by capillary electrophoresis in Pluronic F127 gels. <i>Electrophoresis</i> , 2001, 22, 771-778.	2.4	17
30	Solution structure of the donor site of a trans-splicing RNA. <i>Structure</i> , 1996, 4, 725-733.	3.3	32
31	Determination of the Folding Topology of the SL1 RNA from <i>Caenorhabditis elegans</i> by Multidimensional Heteronuclear NMR. <i>Journal of Molecular Biology</i> , 1995, 252, 314-327.	4.2	18
32	Role of a conserved pseudouridine in U2 snRNA on the structural and electrostatic features of the spliceosomal pre-mRNA branch site. <i>Topics in Current Genetics</i> , 0, , 205-221.	0.7	0