

# Ryszard Kierzek

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/6053557/ryszard-kierzek-publications-by-year.pdf>

**Version:** 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

138  
papers

6,229  
citations

43  
h-index

76  
g-index

149  
ext. papers

6,823  
ext. citations

7.4  
avg, IF

5.53  
L-index

#	Paper	IF	Citations
138	Secondary structure prediction for RNA sequences including N-methyladenosine.. <i>Nature Communications</i> , <b>2022</b> , 13, 1271	17.4	4
137	A Test and Refinement of Folding Free Energy Nearest Neighbor Parameters for RNA Including N-Methyladenosine.. <i>Journal of Molecular Biology</i> , <b>2022</b> , 167632	6.5	0
136	A Structural Potential of Rare Trinucleotide Repeat Tracts in RNA. <i>International Journal of Molecular Sciences</i> , <b>2022</b> , 23, 5850	6.3	
135	Universal and strain specific structure features of segment 8 genomic RNA of influenza A virus - application of 4-thiouridine photocrosslinking. <i>Journal of Biological Chemistry</i> , <b>2021</b> , 101245	5.4	0
134	Conserved Structural Motifs of Two Distant IAV Subtypes in Genomic Segment 5 RNA. <i>Viruses</i> , <b>2021</b> , 13,	6.2	2
133	Identification and Structural Aspects of G-Quadruplex-Forming Sequences from the Influenza A Virus Genome. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	6
132	Conscious uncoupling of riboswitch functions. <i>Journal of Biological Chemistry</i> , <b>2020</b> , 295, 2568-2569	5.4	2
131	The origin of the high stability of 3'-terminal uridine tetrads: contributions of hydrogen bonding, stacking interactions, and steric factors evaluated using modified oligonucleotide analogs. <i>Rna</i> , <b>2020</b> , 26, 2000-2016	5.8	1
130	RNA Secondary Structure Motifs of the Influenza A Virus as Targets for siRNA-Mediated RNA Interference. <i>Molecular Therapy - Nucleic Acids</i> , <b>2020</b> , 19, 627-642	10.7	11
129	RNA Secondary Structure as a First Step for Rational Design of the Oligonucleotides towards Inhibition of Influenza A Virus Replication. <i>Pathogens</i> , <b>2020</b> , 9,	4.5	10
128	Case of Plasmodium knowlesi Malaria in Poland Linked to Travel in Southeast Asia. <i>Emerging Infectious Diseases</i> , <b>2019</b> , 25, 1772-1773	10.2	7
127	Secondary structure of the segment 5 genomic RNA of influenza A virus and its application for designing antisense oligonucleotides. <i>Scientific Reports</i> , <b>2019</b> , 9, 3801	4.9	13
126	Thermodynamic and structural contributions of the 6-thioguanosine residue to helical properties of RNA. <i>Scientific Reports</i> , <b>2019</b> , 9, 4385	4.9	3
125	A Disease-Causing Intronic Point Mutation C19G Alters Tau Exon 10 Splicing via RNA Secondary Structure Rearrangement. <i>Biochemistry</i> , <b>2019</b> , 58, 1565-1578	3.2	8
124	RNA Secondary Structure-Based Design of Antisense Peptide Nucleic Acids for Modulating Disease-Associated Aberrant Tau Pre-mRNA Alternative Splicing. <i>Molecules</i> , <b>2019</b> , 24,	4.8	9
123	The regulation properties of RNA secondary structure in alternative splicing. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , <b>2019</b> , 1862, 194401	6	9
122	Small Molecule Rescue and Glycosidic Conformational Analysis of the Twister Ribozyme. <i>Biochemistry</i> , <b>2019</b> , 58, 4857-4868	3.2	2

121	Computational and NMR studies of RNA duplexes with an internal pseudouridine-adenosine base pair. <i>Scientific Reports</i> , <b>2019</b> , 9, 16278	4.9	11
120	Unraveling the structural basis for the exceptional stability of RNA G-quadruplexes capped by a uridine tetrad at the 3' terminus. <i>Rna</i> , <b>2019</b> , 25, 121-134	5.8	4
119	Molecular dynamics correctly models the unusual major conformation of the GAGU RNA internal loop and with NMR reveals an unusual minor conformation. <i>Rna</i> , <b>2018</b> , 24, 656-672	5.8	7
118	Thermodynamic, Anticoagulant, and Antiproliferative Properties of Thrombin Binding Aptamer Containing Novel UNA Derivative. <i>Molecular Therapy - Nucleic Acids</i> , <b>2018</b> , 10, 304-316	10.7	28
117	Modified RNA triplexes: Thermodynamics, structure and biological potential. <i>Scientific Reports</i> , <b>2018</b> , 8, 13023	4.9	3
116	Stabilization of RNA hairpins using non-nucleotide linkers and circularization. <i>Nucleic Acids Research</i> , <b>2017</b> , 45, e92	20.1	5
115	Influence of mismatched and bulged nucleotides on SNP-preferential RNase H cleavage of RNA-antisense gapmer heteroduplexes. <i>Scientific Reports</i> , <b>2017</b> , 7, 12532	4.9	6
114	Spectroscopic study of fluorescent probes based on G-quadruplex oligonucleotides labeled with ethynylpyrenyldeoxyuridine. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 105, 862-872	7.9	2
113	Parallel-stranded DNA and RNA duplexes - structural features and potential applications. <i>FEBS Journal</i> , <b>2017</b> , 284, 3986-3998	5.7	30
112	Influenza virus segment 5 (+)RNA - secondary structure and new targets for antiviral strategies. <i>Scientific Reports</i> , <b>2017</b> , 7, 15041	4.9	9
111	Atomic resolution structure of a chimeric DNA-RNA Z-type duplex in complex with Ba(2+) ions: a case of complicated multi-domain twinning. <i>Acta Crystallographica Section D: Structural Biology</i> , <b>2016</b> , 72, 211-23	5.5	7
110	Structural characterization of a dimer of RNA duplexes composed of 8-bromoguanosine modified CGG trinucleotide repeats: a novel architecture of RNA quadruplexes. <i>Nucleic Acids Research</i> , <b>2016</b> , 44, 2409-16	20.1	17
109	Studies on Transcriptional Incorporation of 5'-N-Triphosphates of 5'-Amino-5'-Deoxyribonucleosides. <i>PLoS ONE</i> , <b>2016</b> , 11, e0148282	3.7	3
108	Thermodynamic Features of Structural Motifs Formed by $\Psi$ -RNA. <i>PLoS ONE</i> , <b>2016</b> , 11, e0149478	3.7	17
107	Self-Folding of Naked Segment 8 Genomic RNA of Influenza A Virus. <i>PLoS ONE</i> , <b>2016</b> , 11, e0148281	3.7	23
106	Secondary structure model of the naked segment 7 influenza A virus genomic RNA. <i>Biochemical Journal</i> , <b>2016</b> , 473, 4327-4348	3.8	13
105	Antisense Oligonucleotides Targeting Influenza A Segment 8 Genomic RNA Inhibit Viral Replication. <i>Nucleic Acid Therapeutics</i> , <b>2016</b> , 26, 277-285	4.8	22
104	High-resolution crystal structure of Z-DNA in complex with Cr(3+) cations. <i>Journal of Biological Inorganic Chemistry</i> , <b>2015</b> , 20, 595-602	3.7	10

103	Stacking in RNA: NMR of Four Tetramers Benchmark Molecular Dynamics. <i>Journal of Chemical Theory and Computation</i> , <b>2015</b> , 11, 2729-2742	6.4	69
102	Microarrays for identifying binding sites and probing structure of RNAs. <i>Nucleic Acids Research</i> , <b>2015</b> , 43, 1-12	20.1	192
101	Structural determinants for alternative splicing regulation of the MAPT pre-mRNA. <i>RNA Biology</i> , <b>2015</b> , 12, 330-42	4.8	13
100	A Tandem Oligonucleotide Approach for SNP-Selective RNA Degradation Using Modified Antisense Oligonucleotides. <i>PLoS ONE</i> , <b>2015</b> , 10, e0142139	3.7	8
99	Structural Aspects of the Antiparallel and Parallel Duplexes Formed by DNA, 2'-O-Methyl RNA and RNA Oligonucleotides. <i>PLoS ONE</i> , <b>2015</b> , 10, e0143354	3.7	8
98	Hybridization Properties of RNA Containing 8-Methoxyguanosine and 8-Benzyloxyguanosine. <i>PLoS ONE</i> , <b>2015</b> , 10, e0137674	3.7	7
97	A Conserved Secondary Structural Element in the Coding Region of the Influenza A Virus Nucleoprotein (NP) mRNA Is Important for the Regulation of Viral Proliferation. <i>PLoS ONE</i> , <b>2015</b> , 10, e0141132	3.7	13
96	The contribution of pseudouridine to stabilities and structure of RNAs. <i>Nucleic Acids Research</i> , <b>2014</b> , 42, 3492-501	20.1	120
95	Optimization of an AMBER force field for the artificial nucleic acid, LNA, and benchmarking with NMR of L(CAAU). <i>Journal of Physical Chemistry B</i> , <b>2014</b> , 118, 1216-28	3.4	28
94	Interplay of LNA and 2'-O-methyl RNA in the structure and thermodynamics of RNA hybrid systems: a molecular dynamics study using the revised AMBER force field and comparison with experimental results. <i>Journal of Physical Chemistry B</i> , <b>2014</b> , 118, 14177-87	3.4	30
93	Distinctive structural motifs of RNA G-quadruplexes composed of AGG, CGG and UGG trinucleotide repeats. <i>Nucleic Acids Research</i> , <b>2014</b> , 42, 10196-207	20.1	45
92	Structure determination of noncanonical RNA motifs guided by $^1\text{H}$ NMR chemical shifts. <i>Nature Methods</i> , <b>2014</b> , 11, 413-6	21.6	61
91	Unlocked nucleic acids: implications of increased conformational flexibility for RNA/DNA triplex formation. <i>Biochemical Journal</i> , <b>2014</b> , 464, 203-11	3.8	13
90	Metal-promoted synthesis, characterization, crystal structure and RNA cleavage ability of 2,6-diacetylpyridine bis(2-aminobenzoylhydrazone) lanthanide complexes. <i>Journal of Inorganic Biochemistry</i> , <b>2013</b> , 126, 38-45	4.2	17
89	Synthesis, physicochemical and biochemical studies of anti-IRS-1 oligonucleotides containing carborane and/or metallocarborane modification. <i>Journal of Organometallic Chemistry</i> , <b>2013</b> , 747, 201-210	2.3	10
88	Recognition of RNA duplexes by chemically modified triplex-forming oligonucleotides. <i>Nucleic Acids Research</i> , <b>2013</b> , 41, 6664-73	20.1	44
87	Ultrahigh-resolution crystal structures of Z-DNA in complex with Mn(2+) and Zn(2+) ions. <i>Acta Crystallographica Section D: Biological Crystallography</i> , <b>2013</b> , 69, 1180-90		16
86	Secondary structure of a conserved domain in the intron of influenza A NS1 mRNA. <i>PLoS ONE</i> , <b>2013</b> , 8, e70615	3.7	23

85	Photoaddition of 5-bromouracil to uracil in oligonucleotides leading to 5,5'-bipyrimidine-type adducts: mechanism of the photoreaction. <i>Journal of Organic Chemistry</i> , <b>2012</b> , 77, 11362-7	4.2	5
84	Revision of AMBER Torsional Parameters for RNA Improves Free Energy Predictions for Tetramer Duplexes with GC and iGiC Base Pairs. <i>Journal of Chemical Theory and Computation</i> , <b>2012</b> , 8, 172-181	6.4	59
83	Novel conformation of an RNA structural switch. <i>Biochemistry</i> , <b>2012</b> , 51, 9257-9	3.2	14
82	Structure of an RNA/DNA dodecamer corresponding to the HIV-1 polypurine tract at 1.6 Å resolution. <i>Acta Crystallographica Section D: Biological Crystallography</i> , <b>2012</b> , 68, 169-75		1
81	Crystallographic characterization of CCG repeats. <i>Nucleic Acids Research</i> , <b>2012</b> , 40, 8155-62	20.1	24
80	The 3' splice site of influenza A segment 7 mRNA can exist in two conformations: a pseudoknot and a hairpin. <i>PLoS ONE</i> , <b>2012</b> , 7, e38323	3.7	35
79	Isoenergetic microarrays to study the structure and interactions of DsrA and OxyS RNAs in two- and three-component complexes. <i>Biochemistry</i> , <b>2011</b> , 50, 7647-65	3.2	12
78	Crystal structures of CCG RNA repeats with implications for fragile X-associated tremor ataxia syndrome. <i>Nucleic Acids Research</i> , <b>2011</b> , 39, 7308-15	20.1	50
77	A flexible RNA backbone within the polypyrimidine tract is required for U2AF65 binding and pre-mRNA splicing in vivo. <i>Molecular and Cellular Biology</i> , <b>2010</b> , 30, 4108-19	4.8	29
76	Structural diversity of triplet repeat RNAs. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 12755-64	5.4	94
75	The spontaneous rearrangement of 2,4-dinitrophenyl substituent in ribonucleosides under neutral conditions. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , <b>2010</b> , 29, 684-97	1.4	
74	Atomic resolution structure of CAG RNA repeats: structural insights and implications for the trinucleotide repeat expansion diseases. <i>Nucleic Acids Research</i> , <b>2010</b> , 38, 8370-6	20.1	69
73	Role of unsatisfied hydrogen bond acceptors in RNA energetics and specificity. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 5342-4	16.4	30
72	Comparisons between chemical mapping and binding to isoenergetic oligonucleotide microarrays reveal unexpected patterns of binding to the Bacillus subtilis RNase P RNA specificity domain. <i>Biochemistry</i> , <b>2010</b> , 49, 8155-68	3.2	9
71	RNA internal loops with tandem AG pairs: the structure of the 5'GAGU/3'UGAG loop can be dramatically different from others, including 5'AAGU/3'UGAA. <i>Biochemistry</i> , <b>2010</b> , 49, 5817-27	3.2	26
70	Structural insights into CUG repeats containing the 'stretched U-U wobble': implications for myotonic dystrophy. <i>Nucleic Acids Research</i> , <b>2009</b> , 37, 4149-56	20.1	60
69	Chemical synthesis of LNA-2-thiouridine and its influence on stability and selectivity of oligonucleotide binding to RNA. <i>Biochemistry</i> , <b>2009</b> , 48, 10882-93	3.2	18
68	Contributions of stacking, preorganization, and hydrogen bonding to the thermodynamic stability of duplexes between RNA and 2'-O-methyl RNA with locked nucleic acids. <i>Biochemistry</i> , <b>2009</b> , 48, 4377-87 <sup>2</sup>		41

67	Secondary structures for 5' regions of R2 retrotransposon RNAs reveal a novel conserved pseudoknot and regions that evolve under different constraints. <i>Journal of Molecular Biology</i> , <b>2009</b> , 390, 428-42	6.5	33
66	LNA-modified primers drastically improve hybridization to target RNA and reverse transcription. <i>Biochemistry</i> , <b>2009</b> , 48, 514-6	3.2	22
65	The thermodynamics of 3'-terminal pyrene and guanosine for the design of isoenergetic 2'-O-methyl-RNA-LNA chimeric oligonucleotide probes of RNA structure. <i>Biochemistry</i> , <b>2008</b> , 47, 1249-58	3.2	24
64	Isoenergetic penta- and hexanucleotide microarray probing and chemical mapping provide a secondary structure model for an RNA element orchestrating R2 retrotransposon protein function. <i>Nucleic Acids Research</i> , <b>2008</b> , 36, 1770-82	20.1	34
63	A locked derivative of 8-aza-7-deazaadenosine. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , <b>2008</b> , 64, o467-70		2
62	Stacking effects on local structure in RNA: changes in the structure of tandem GA pairs when flanking GC pairs are replaced by isoG-isoC pairs. <i>Journal of Physical Chemistry B</i> , <b>2007</b> , 111, 6718-27	3.4	16
61	A conformationally restricted guanosine analog reveals the catalytic relevance of three structures of an RNA enzyme. <i>Chemistry and Biology</i> , <b>2007</b> , 14, 23-30		23
60	Solid-supported synthesis of 5'-mRNA CAP-4 from Trypanosomatids. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , <b>2007</b> , 26, 1329-33	1.4	4
59	A chemical synthesis of LNA-2,6-diaminopurine riboside, and the influence of 2'-O-methyl-2,6-diaminopurine and LNA-2,6-diaminopurine ribosides on the thermodynamic properties of 2'-O-methyl RNA/RNA heteroduplexes. <i>Nucleic Acids Research</i> , <b>2007</b> , 35, 4055-63	20.1	32
58	Synthesis of Leishmania cap-4 intermediates, cap-2 and cap-3. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , <b>2007</b> , 26, 1339-48	1.4	2
57	Facilitating RNA structure prediction with microarrays. <i>Biochemistry</i> , <b>2006</b> , 45, 581-93	3.2	38
56	Exploring the energy landscape of a small RNA hairpin. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 1523-30	16.4	113
55	Nearest neighbor parameters for Watson-Crick complementary heteroduplexes formed between 2'-O-methyl RNA and RNA oligonucleotides. <i>Nucleic Acids Research</i> , <b>2006</b> , 34, 3609-14	20.1	33
54	Thermodynamic stability of RNA structures formed by CNG trinucleotide repeats. Implication for prediction of RNA structure. <i>Biochemistry</i> , <b>2005</b> , 44, 10873-82	3.2	41
53	The influence of locked nucleic acid residues on the thermodynamic properties of 2'-O-methyl RNA/RNA heteroduplexes. <i>Nucleic Acids Research</i> , <b>2005</b> , 33, 5082-93	20.1	97
52	Folding thermodynamics and kinetics of YNMG RNA hairpins: specific incorporation of 8-bromoguanosine leads to stabilization by enhancement of the folding rate. <i>Biochemistry</i> , <b>2004</b> , 43, 14004-14	3.2	73
51	Synthesis of oligoribonucleotides containing N6-alkyladenosine and 2-methylthio-N6-alkyladenosine. <i>Current Protocols in Nucleic Acid Chemistry</i> , <b>2004</b> , Chapter 4, Unit 4.23	0.5	1
50	Chemical synthesis and binding activity of the trypanosomatid cap-4 structure. <i>Rna</i> , <b>2004</b> , 10, 1469-78	5.8	31



49	Restricting the conformational heterogeneity of RNA by specific incorporation of 8-bromoguanosine. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 2390-1	16.4	32
48	The synthesis of oligoribonucleotides containing N6-alkyladenosines and 2-methylthio-N6-alkyladenosines via post-synthetic modification of precursor oligomers. <i>Nucleic Acids Research</i> , <b>2003</b> , 31, 4461-71	20.1	44
47	The thermodynamic stability of RNA duplexes and hairpins containing N6-alkyladenosines and 2-methylthio-N6-alkyladenosines. <i>Nucleic Acids Research</i> , <b>2003</b> , 31, 4472-80	20.1	121
46	The influence of various modified nucleotides placed as 3'-dangling end on thermal stability of RNA duplexes. <i>Biophysical Chemistry</i> , <b>2002</b> , 97, 243-9	3.5	11
45	The thermal stability of RNA duplexes containing modified base pairs placed at internal and terminal positions of the oligoribonucleotides. <i>Biophysical Chemistry</i> , <b>2002</b> , 97, 233-41	3.5	21
44	Nonenzymatic cleavage of oligoribonucleotides. <i>Methods in Enzymology</i> , <b>2001</b> , 341, 657-75	1.7	12
43	Influence of N6-isopentenyladenosine (i(6)A) on thermal stability of RNA duplexes. <i>Biophysical Chemistry</i> , <b>2001</b> , 91, 135-40	3.5	5
42	Stability and structure of RNA duplexes containing isoguanosine and isocytidine. <i>Journal of the American Chemical Society</i> , <b>2001</b> , 123, 1267-74	16.4	41
41	Substrate recognition by a yeast 2'-phosphotransferase involved in tRNA splicing and by its Escherichia coli homolog. <i>Biochemistry</i> , <b>2001</b> , 40, 14098-105	3.2	25
40	The nonenzymatic hydrolysis of oligoribonucleotides. VII. Structural elements affecting hydrolysis. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , <b>2000</b> , 19, 977-94	1.4	22
39	The chemical synthesis of oligoribonucleotides with selectively placed 2'-O-phosphates. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , <b>2000</b> , 19, 917-33	1.4	2
38	Nuclear Magnetic Resonance Spectroscopy and Molecular Modeling Reveal That Different Hydrogen Bonding Patterns Are Possible for G $\Psi$ Pairs: One Hydrogen Bond for Each G $\Psi$ Pair in r(GGCGUGCC) <sub>2</sub> and Two for Each G $\Psi$ Pair in r(GAGUGCUC) <sub>2</sub> . <i>Biochemistry</i> , <b>2000</b> , 39, 8970-8982	3.2	52
37	Transient ADP-ribosylation of a 2'-phosphate implicated in its removal from ligated tRNA during splicing in yeast. <i>Journal of Biological Chemistry</i> , <b>1999</b> , 274, 2637-44	5.4	48
36	The non-enzymatic hydrolysis of oligoribonucleotides VI. The role of biogenic polyamines. <i>Nucleic Acids Research</i> , <b>1999</b> , 27, 3931-7	20.1	36
35	Thermodynamics of RNA-RNA duplexes with 2- or 4-thiouridines: implications for antisense design and targeting a group I intron. <i>Biochemistry</i> , <b>1999</b> , 38, 16655-62	3.2	105
34	Thermodynamics of single mismatches in RNA duplexes. <i>Biochemistry</i> , <b>1999</b> , 38, 14214-23	3.2	143
33	Thermodynamics of unpaired terminal nucleotides on short RNA helices correlates with stacking at helix termini in larger RNAs. <i>Journal of Molecular Biology</i> , <b>1999</b> , 290, 967-82	6.5	74
32	Thermodynamic parameters for an expanded nearest-neighbor model for formation of RNA duplexes with Watson-Crick base pairs. <i>Biochemistry</i> , <b>1998</b> , 37, 14719-35	3.2	915

31	Guanosine binds to the Tetrahymena ribozyme in more than one step, and its 2'-OH and the nonbridging pro-Sp phosphoryl oxygen at the cleavage site are required for productive docking. <i>Biochemistry</i> , <b>1997</b> , 36, 12477-85	3.2	14
30	Nonenzymatic hydrolysis of oligoribonucleotides III. Stereochemistry and influences of chimeric DNA/RNA on nonenzymatic hydrolysis of oligoribonucleotides. <i>Collection of Czechoslovak Chemical Communications</i> , <b>1996</b> , 61, 253-257		3
29	Binding of guanosine and 3' splice site analogues to a group I ribozyme: interactions with functional groups of guanosine and with additional nucleotides. <i>Biochemistry</i> , <b>1993</b> , 32, 5247-56	3.2	47
28	5'-Amino pyrene provides a sensitive, nonperturbing fluorescent probe of RNA secondary and tertiary structure formation. <i>Journal of the American Chemical Society</i> , <b>1993</b> , 115, 4985-4992	16.4	62
27	Association of 2'-5' oligoribonucleotides. <i>Nucleic Acids Research</i> , <b>1992</b> , 20, 1685-90	20.1	70
26	Hydrolysis of oligoribonucleotides: influence of sequence and length. <i>Nucleic Acids Research</i> , <b>1992</b> , 20, 5073-7	20.1	59
25	Nonenzymatic hydrolysis of oligoribonucleotides. <i>Nucleic Acids Research</i> , <b>1992</b> , 20, 5079-84	20.1	70
24	The Synthesis of 5'-O-Triphosphate-4N-( $\beta$ -aminoalkyl)deoxycytidine A Useful Precursor to the Generation of Differently Labeled Triphosphates. <i>Nucleosides &amp; Nucleotides</i> , <b>1991</b> , 10, 1257-1275		7
23	Nearest-neighbor parameters for G.U mismatches: [formula; see text] is destabilizing in the contexts [formula; see text] and [formula; see text] but stabilizing in [formula; see text]. <i>Biochemistry</i> , <b>1991</b> , 30, 11124-32	3.2	120
22	Functional group substitutions as probes of hydrogen bonding between GA mismatches in RNA internal loops. <i>Journal of the American Chemical Society</i> , <b>1991</b> , 113, 4313-4322	16.4	101
21	Stabilities of consecutive A.C, C.C, G.G, U.C, and U.U mismatches in RNA internal loops: Evidence for stable hydrogen-bonded U.U and C.C.+ pairs. <i>Biochemistry</i> , <b>1991</b> , 30, 8242-51	3.2	147
20	Thermodynamic study of internal loops in oligoribonucleotides: symmetric loops are more stable than asymmetric loops. <i>Biochemistry</i> , <b>1991</b> , 30, 6428-36	3.2	92
19	Inhibition of Deoxyribooligonucleotides on the Circle Opening Reaction of the Intervening Sequence from Tetrahymena thermophila. <i>Chemistry Letters</i> , <b>1990</b> , 19, 747-748	1.7	1
18	Antibodies specific for branched ribonucleic acids. <i>Analytical Biochemistry</i> , <b>1990</b> , 185, 125-30	3.1	4
17	Effects of GA mismatches on the structure and thermodynamics of RNA internal loops. <i>Biochemistry</i> , <b>1990</b> , 29, 8813-9	3.2	107
16	Thermodynamic and spectroscopic study of bulge loops in oligoribonucleotides. <i>Biochemistry</i> , <b>1990</b> , 29, 278-85	3.2	152
15	Laser temperature-jump, spectroscopic, and thermodynamic study of salt effects on duplex formation by dGCATGC. <i>Biochemistry</i> , <b>1989</b> , 28, 4283-91	3.2	160
14	Binding of a Fluorescent Oligonucleotide to a Circularized Intervening Sequence from Tetrahymena thermophila. <i>Chemistry Letters</i> , <b>1989</b> , 18, 2223-2226	1.7	11



13	Kinetics for reaction of a circularized intervening sequence with CU, UCU, CUCU, and CUCUCU: mechanistic implications from the dependence on temperature and on oligomer and Mg <sup>2+</sup> concentrations. <i>Biochemistry</i> , <b>1988</b> , 27, 6384-92	3.2	65
12	Synthesis of 5'-O-Dimethoxytrityl-4-N-(6-Trifluoroacetamidohexyl)-2'-Deoxycytidine and its Application in the Synthesis of Biotin-Labeled Oligonucleotides. <i>Nucleosides &amp; Nucleotides</i> , <b>1987</b> , 6, 403-405		14
11	Free energy increments for hydrogen bonds in nucleic acid base pairs. <i>Journal of the American Chemical Society</i> , <b>1987</b> , 109, 3783-3785	16.4	146
10	Sequence dependence for the energetics of terminal mismatches in ribooligonucleotides. <i>Biochemistry</i> , <b>1987</b> , 26, 4559-62	3.2	40
9	Sequence dependence for the energetics of dangling ends and terminal base pairs in ribonucleic acid. <i>Biochemistry</i> , <b>1987</b> , 26, 4554-8	3.2	113
8	Chemical synthesis of branched RNA. <i>Nucleic Acids Research</i> , <b>1986</b> , 14, 4751-64	20.1	56
7	Nucleotide chemistry. 16. Amidine protecting groups for oligonucleotide synthesis. <i>Journal of the American Chemical Society</i> , <b>1986</b> , 108, 2040-2048	16.4	181
6	Energetics of internal GU mismatches in ribooligonucleotide helices. <i>Biochemistry</i> , <b>1986</b> , 25, 5755-9	3.2	88
5	Polymer-supported RNA synthesis and its application to test the nearest-neighbor model for duplex stability. <i>Biochemistry</i> , <b>1986</b> , 25, 7840-6	3.2	142
4	Free energy contributions of G.U and other terminal mismatches to helix stability. <i>Biochemistry</i> , <b>1986</b> , 25, 3209-13	3.2	86
3	Stability of XGCGCp, GCGCYp, and XGCGCYp helices: an empirical estimate of the energetics of hydrogen bonds in nucleic acids. <i>Biochemistry</i> , <b>1986</b> , 25, 3214-9	3.2	126
2	The Synthesis of 5'-O-Dimethoxytrityl-N-Acyl-2'-Deoxynucleosides. Improved 'Transient Protection' Approach 1. <i>Nucleosides &amp; Nucleotides</i> , <b>1985</b> , 4, 641-649		13
1	Secondary Structure Prediction for RNA Sequences Including N6-methyladenosine		1