Ryszard Kierzek

List of Publications by Citations

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	Thermodynamic parameters for an expanded nearest-neighbor model for formation of RNA duplexes with Watson-Crick base pairs. *Biochemistry*, **1998**, 37, 14719-35	3.2	915
137	Microarrays for identifying binding sites and probing structure of RNAs. *Nucleic Acids Research*, **2015**, 43, 1-12	20.1	192
136	Nucleotide chemistry. 16. Amidine protecting groups for oligonucleotide synthesis. *Journal of the American Chemical Society*, **1986**, 108, 2040-2048	16.4	181
135	Laser temperature-jump, spectroscopic, and thermodynamic study of salt effects on duplex formation by dGCATGC. *Biochemistry*, **1989**, 28, 4283-91	3.2	160
134	Thermodynamic and spectroscopic study of bulge loops in oligoribonucleotides. *Biochemistry*, **1990**, 29, 278-85	3.2	152
133	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. *Biochemistry*, **1991**, 30, 8242-51	3.2	147
132	Free energy increments for hydrogen bonds in nucleic acid base pairs. *Journal of the American Chemical Society*, **1987**, 109, 3783-3785	16.4	146
131	Thermodynamics of single mismatches in RNA duplexes. *Biochemistry*, **1999**, 38, 14214-23	3.2	143
130	Polymer-supported RNA synthesis and its application to test the nearest-neighbor model for duplex stability. *Biochemistry*, **1986**, 25, 7840-6	3.2	142
129	Stability of XGCGCp, GCGCYp, and XGCGCYp helixes: an empirical estimate of the energetics of hydrogen bonds in nucleic acids. *Biochemistry*, **1986**, 25, 3214-9	3.2	126
128	The thermodynamic stability of RNA duplexes and hairpins containing N6-alkyladenosines and 2-methylthio-N6-alkyladenosines. *Nucleic Acids Research*, **2003**, 31, 4472-80	20.1	121
127	The contribution of pseudouridine to stabilities and structure of RNAs. *Nucleic Acids Research*, **2014** , 42, 3492-501	20.1	120
126	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]. *Biochemistry*, **1991**, 30, 11124-32	3.2	120
125	Exploring the energy landscape of a small RNA hairpin. *Journal of the American Chemical Society*, **2006**, 128, 1523-30	16.4	113
124	Sequence dependence for the energetics of dangling ends and terminal base pairs in ribonucleic acid. *Biochemistry*, **1987**, 26, 4554-8	3.2	113
123	Effects of GA mismatches on the structure and thermodynamics of RNA internal loops. *Biochemistry*, **1990**, 29, 8813-9	3.2	107
122	Thermodynamics of RNA-RNA duplexes with 2- or 4-thiouridines: implications for antisense design and targeting a group I intron. *Biochemistry*, **1999**, 38, 16655-62	3.2	105

121	Functional group substitutions as probes of hydrogen bonding between GA mismatches in RNA internal loops. *Journal of the American Chemical Society*, **1991**, 113, 4313-4322	16.4	101
120	The influence of locked nucleic acid residues on the thermodynamic properties of 2'-O-methyl RNA/RNA heteroduplexes. *Nucleic Acids Research*, **2005**, 33, 5082-93	20.1	97
119	Structural diversity of triplet repeat RNAs. *Journal of Biological Chemistry*, **2010**, 285, 12755-64	5.4	94
118	Thermodynamic study of internal loops in oligoribonucleotides: symmetric loops are more stable than asymmetric loops. *Biochemistry*, **1991**, 30, 6428-36	3.2	92
117	Energetics of internal GU mismatches in ribooligonucleotide helixes. *Biochemistry*, **1986**, 25, 5755-9	3.2	88
116	Free energy contributions of G.U and other terminal mismatches to helix stability. *Biochemistry*, **1986**, 25, 3209-13	3.2	86
115	Thermodynamics of unpaired terminal nucleotides on short RNA helixes correlates with stacking at helix termini in larger RNAs. *Journal of Molecular Biology*, **1999**, 290, 967-82	6.5	74
114	Folding thermodynamics and kinetics of YNMG RNA hairpins: specific incorporation of 8-bromoguanosine leads to stabilization by enhancement of the folding rate. *Biochemistry*, **2004**, 43, 14004-14	3.2	73
113	Association of 2'-5' oligoribonucleotides. *Nucleic Acids Research*, **1992**, 20, 1685-90	20.1	70
112	Nonenzymatic hydrolysis of oligoribonucleotides. *Nucleic Acids Research*, **1992**, 20, 5079-84	20.1	70
111	Stacking in RNA: NMR of Four Tetramers Benchmark Molecular Dynamics. *Journal of Chemical Theory and Computation*, **2015**, 11, 2729-2742	6.4	69
110	Atomic resolution structure of CAG RNA repeats: structural insights and implications for the trinucleotide repeat expansion diseases. *Nucleic Acids Research*, **2010**, 38, 8370-6	20.1	69
109	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 Mg2+ concentrations. *Biochemistry*, **1988**, 27, 6384-92	3.2	65
108	5'-Amino pyrene provides a sensitive, nonperturbing fluorescent probe of RNA secondary and tertiary structure formation. *Journal of the American Chemical Society*, **1993**, 115, 4985-4992	16.4	62
107	Structure determination of noncanonical RNA motifs guided by □H NMR chemical shifts. *Nature Methods*, **2014**, 11, 413-6	21.6	61
106	Structural insights into CUG repeats containing the 'stretched U-U wobble': implications for myotonic dystrophy. *Nucleic Acids Research*, **2009**, 37, 4149-56	20.1	60
105	Revision of AMBER Torsional Parameters for RNA Improves Free Energy Predictions for Tetramer Duplexes with GC and iGiC Base Pairs. *Journal of Chemical Theory and Computation*, **2012**, 8, 172-181	6.4	59
104	Hydrolysis of oligoribonucleotides: influence of sequence and length. *Nucleic Acids Research*, **1992**, 20, 5073-7	20.1	59

103	Chemical synthesis of branched RNA. *Nucleic Acids Research*, **1986**, 14, 4751-64	20.1	56
102	Nuclear Magnetic Resonance Spectroscopy and Molecular Modeling Reveal That Different Hydrogen Bonding Patterns Are Possible for G□U Pairs:□One Hydrogen Bond for Each G□U Pair in r(GGCGUGCC)2and Two for Each G□U Pair in r(GAGUGCUC)2□□*Biochemistry*, **2000**, 39, 8970-8982	3.2	52
101	Crystal structures of CGG RNA repeats with implications for fragile X-associated tremor ataxia syndrome. *Nucleic Acids Research*, **2011**, 39, 7308-15	20.1	50
100	Transient ADP-ribosylation of a 2'-phosphate implicated in its removal from ligated tRNA during splicing in yeast. *Journal of Biological Chemistry*, **1999**, 274, 2637-44	5.4	48
99	Binding of guanosine and 3' splice site analogues to a group I ribozyme: interactions with functional groups of guanosine and with additional nucleotides. *Biochemistry*, **1993**, 32, 5247-56	3.2	47
98	Distinctive structural motifs of RNA G-quadruplexes composed of AGG, CGG and UGG trinucleotide repeats. *Nucleic Acids Research*, **2014**, 42, 10196-207	20.1	45
97	Recognition of RNA duplexes by chemically modified triplex-forming oligonucleotides. *Nucleic Acids Research*, **2013**, 41, 6664-73	20.1	44
96	The synthesis of oligoribonucleotides containing N6-alkyladenosines and 2-methylthio-N6-alkyladenosines via post-synthetic modification of precursor oligomers. *Nucleic Acids Research*, **2003**, 31, 4461-71	20.1	44
95	Contributions of stacking, preorganization, and hydrogen bonding to the thermodynamic stability of duplexes between RNA and 2'-O-methyl RNA with locked nucleic acids. *Biochemistry*, **2009**, 48, 4377-87	3.2	41
94	Thermodynamic stability of RNA structures formed by CNG trinucleotide repeats. Implication for prediction of RNA structure. *Biochemistry*, **2005**, 44, 10873-82	3.2	41
93	Stability and structure of RNA duplexes containing isoguanosine and isocytidine. *Journal of the American Chemical Society*, **2001**, 123, 1267-74	16.4	41
92	Sequence dependence for the energetics of terminal mismatches in ribooligonucleotides. *Biochemistry*, **1987**, 26, 4559-62	3.2	40
91	Facilitating RNA structure prediction with microarrays. *Biochemistry*, **2006**, 45, 581-93	3.2	38
90	The non-enzymatic hydrolysis of oligoribonucleotides VI. The role of biogenic polyamines. *Nucleic Acids Research*, **1999**, 27, 3931-7	20.1	36
89	The 3' splice site of influenza A segment 7 mRNA can exist in two conformations: a pseudoknot and a hairpin. *PLoS ONE*, **2012**, 7, e38323	3.7	35
88	Isoenergetic penta- and hexanucleotide microarray probing and chemical mapping provide a secondary structure model for an RNA element orchestrating R2 retrotransposon protein function. *Nucleic Acids Research*, **2008**, 36, 1770-82	20.1	34
87	Secondary structures for 5' regions of R2 retrotransposon RNAs reveal a novel conserved pseudoknot and regions that evolve under different constraints. *Journal of Molecular Biology*, **2009**, 390, 428-42	6.5	33
86	Nearest neighbor parameters for Watson-Crick complementary heteroduplexes formed between 2'-O-methyl RNA and RNA oligonucleotides. *Nucleic Acids Research*, **2006**, 34, 3609-14	20.1	33

85	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. *Nucleic Acids Research*, **2007**, 35, 4055-63	20.1	32
84	Restricting the conformational heterogeneity of RNA by specific incorporation of 8-bromoguanosine. *Journal of the American Chemical Society*, **2003**, 125, 2390-1	16.4	32
83	Chemical synthesis and binding activity of the trypanosomatid cap-4 structure. *Rna*, **2004**, 10, 1469-78	5.8	31
82	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. *Journal of Physical Chemistry B*, **2014**, 118, 14177-87	3.4	30
81	Parallel-stranded DNA and RNA duplexes - structural features and potential applications. *FEBS Journal*, **2017**, 284, 3986-3998	5.7	30
80	Role of unsatisfied hydrogen bond acceptors in RNA energetics and specificity. *Journal of the American Chemical Society*, **2010**, 132, 5342-4	16.4	30
79	A flexible RNA backbone within the polypyrimidine tract is required for U2AF65 binding and pre-mRNA splicing in vivo. *Molecular and Cellular Biology*, **2010**, 30, 4108-19	4.8	29
78	Thermodynamic, Anticoagulant, and Antiproliferative Properties of Thrombin Binding Aptamer Containing Novel UNA Derivative. *Molecular Therapy - Nucleic Acids*, **2018**, 10, 304-316	10.7	28
77	Optimization of an AMBER force field for the artificial nucleic acid, LNA, and benchmarking with NMR of L(CAAU). *Journal of Physical Chemistry B*, **2014**, 118, 1216-28	3.4	28
76	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. *Biochemistry*, **2010**, 49, 5817-27	3.2	26
75	Substrate recognition by a yeast 2'-phosphotransferase involved in tRNA splicing and by its Escherichia coli homolog. *Biochemistry*, **2001**, 40, 14098-105	3.2	25
74	Crystallographic characterization of CCG repeats. *Nucleic Acids Research*, **2012**, 40, 8155-62	20.1	24
73	The thermodynamics of 3'-terminal pyrene and guanosine for the design of isoenergetic 2'-O-methyl-RNA-LNA chimeric oligonucleotide probes of RNA structure. *Biochemistry*, **2008**, 47, 1249-58	3.2	24
72	Secondary structure of a conserved domain in the intron of influenza A NS1 mRNA. *PLoS ONE*, **2013**, 8, e70615	3.7	23
71	A conformationally restricted guanosine analog reveals the catalytic relevance of three structures of an RNA enzyme. *Chemistry and Biology*, **2007**, 14, 23-30		23
70	Self-Folding of Naked Segment 8 Genomic RNA of Influenza A Virus. *PLoS ONE*, **2016**, 11, e0148281	3.7	23
69	LNA-modified primers drastically improve hybridization to target RNA and reverse transcription. *Biochemistry*, **2009**, 48, 514-6	3.2	22
68	The nonenzymatic hydrolysis of oligoribonucleotides. VII. Structural elements affecting hydrolysis. *Nucleosides, Nucleotides and Nucleic Acids*, **2000**, 19, 977-94	1.4	22

67	Antisense Oligonucleotides Targeting Influenza A Segment 8 Genomic RNA Inhibit Viral Replication. *Nucleic Acid Therapeutics*, **2016**, 26, 277-285	4.8	22
66	The thermal stability of RNA duplexes containing modified base pairs placed at internal and terminal positions of the oligoribonucleotides. *Biophysical Chemistry*, **2002**, 97, 233-41	3.5	21
65	Chemical synthesis of LNA-2-thiouridine and its influence on stability and selectivity of oligonucleotide binding to RNA. *Biochemistry*, **2009**, 48, 10882-93	3.2	18
64	Structural characterization of a dimer of RNA duplexes composed of 8-bromoguanosine modified CGG trinucleotide repeats: a novel architecture of RNA quadruplexes. *Nucleic Acids Research*, **2016**, 44, 2409-16	20.1	17
63	Metal-promoted synthesis, characterization, crystal structure and RNA cleavage ability of 2,6-diacetylpyridine bis(2-aminobenzoylhydrazone) lanthanide complexes. *Journal of Inorganic Biochemistry*, **2013**, 126, 38-45	4.2	17
62	Thermodynamic Features of Structural Motifs Formed by L-RNA. *PLoS ONE*, **2016**, 11, e0149478	3.7	17
61	Ultrahigh-resolution crystal structures of Z-DNA in complex with Mn(2+) and Zn(2+) ions. *Acta Crystallographica Section D: Biological Crystallography*, **2013**, 69, 1180-90		16
60	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. *Journal of Physical Chemistry B*, **2007**, 111, 6718-27	3.4	16
59	Novel conformation of an RNA structural switch. *Biochemistry*, **2012**, 51, 9257-9	3.2	14
58	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. *Biochemistry*, **1997**, 36, 12477-85	3.2	14
57	Synthesis of 5?-O-Dimeth0Xytrityl-4-N-/6-Trifluoroacetamidohexyl/-2?-Deoxycytidine and its Application in the Synthesis of Biotin-Labeled Oligonucleotides. *Nucleosides & Nucleotides*, **1987**, 6, 403-405		14
56	Secondary structure of the segment 5 genomic RNA of influenza A virus and its application for designing antisense oligonucleotides. *Scientific Reports*, **2019**, 9, 3801	4.9	13
55	Structural determinants for alternative splicing regulation of the MAPT pre-mRNA. *RNA Biology*, **2015**, 12, 330-42	4.8	13
54	Unlocked nucleic acids: implications of increased conformational flexibility for RNA/DNA triplex formation. *Biochemical Journal*, **2014**, 464, 203-11	3.8	13
53	The Synthesis of 5?-O-Dimethoxytrityl-N-Acyl-2?-Deoxynucleosides. Improved Transient Protection' Approach1. *Nucleosides & Nucleotides*, **1985**, 4, 641-649		13
52	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. *PLoS ONE*, **2015**, 10, e0141132	3.7	13
51	Secondary structure model of the naked segment 7 influenza A virus genomic RNA. *Biochemical Journal*, **2016**, 473, 4327-4348	3.8	13
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49	Nonenzymatic cleavage of oligoribonucleotides. *Methods in Enzymology*, **2001**, 341, 657-75	1.7	12
48	The influence of various modified nucleotides placed as 3'-dangling end on thermal stability of RNA duplexes. *Biophysical Chemistry*, **2002**, 97, 243-9	3.5	11
47	Binding of a Fluorescent Oligonucleotide to a Circularized Intervening Sequence fromTetrahymena thermophila. *Chemistry Letters*, **1989**, 18, 2223-2226	1.7	11
46	RNA Secondary Structure Motifs of the Influenza A Virus as Targets for siRNA-Mediated RNA Interference. *Molecular Therapy - Nucleic Acids*, **2020**, 19, 627-642	10.7	11
45	Computational and NMR studies of RNA duplexes with an internal pseudouridine-adenosine base pair. *Scientific Reports*, **2019**, 9, 16278	4.9	11
44	High-resolution crystal structure of Z-DNA in complex with Cr(3+) cations. *Journal of Biological Inorganic Chemistry*, **2015**, 20, 595-602	3.7	10
43	Synthesis, physicochemical and biochemical studies of anti-IRS-1 oligonucleotides containing carborane and/or metallacarborane modification. *Journal of Organometallic Chemistry*, **2013**, 747, 201-210	2.3	10
42	RNA Secondary Structure as a First Step for Rational Design of the Oligonucleotides towards Inhibition of Influenza A Virus Replication. *Pathogens*, **2020**, 9,	4.5	10
41	RNA Secondary Structure-Based Design of Antisense Peptide Nucleic Acids for Modulating Disease-Associated Aberrant Tau Pre-mRNA Alternative Splicing. *Molecules*, **2019**, 24,	4.8	9
40	The regulation properties of RNA secondary structure in alternative splicing. *Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms*, **2019**, 1862, 194401	6	9
39	Influenza virus segment 5 (+)RNA - secondary structure and new targets for antiviral strategies. *Scientific Reports*, **2017**, 7, 15041	4.9	9
38	Comparisons between chemical mapping and binding to isoenergetic oligonucleotide microarrays reveal unexpected patterns of binding to the Bacillus subtilis RNase P RNA specificity domain. *Biochemistry*, **2010**, 49, 8155-68	3.2	9
37	A Disease-Causing Intronic Point Mutation C19G Alters Tau Exon 10 Splicing via RNA Secondary Structure Rearrangement. *Biochemistry*, **2019**, 58, 1565-1578	3.2	8
36	A Tandem Oligonucleotide Approach for SNP-Selective RNA Degradation Using Modified Antisense Oligonucleotides. *PLoS ONE*, **2015**, 10, e0142139	3.7	8
35	Structural Aspects of the Antiparallel and Parallel Duplexes Formed by DNA, 2'-O-Methyl RNA and RNA Oligonucleotides. *PLoS ONE*, **2015**, 10, e0143354	3.7	8
34	Case of Plasmodium knowlesi Malaria in Poland Linked to Travel in Southeast Asia. *Emerging Infectious Diseases*, **2019**, 25, 1772-1773	10.2	7
33	Molecular dynamics correctly models the unusual major conformation of the GAGU RNA internal loop and with NMR reveals an unusual minor conformation. *Rna*, **2018**, 24, 656-672	5.8	7
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31	The Synthesis of 5?-O-Triphosphate-4N-(ω-aminoalkyl)deoxycytidine A Useful Precursor to the Generation of Differently Labeled Triphosphates. *Nucleosides & Nucleotides*, **1991**, 10, 1257-1275		7
30	Hybridization Properties of RNA Containing 8-Methoxyguanosine and 8-Benzyloxyguanosine. *PLoS ONE*, **2015**, 10, e0137674	3.7	7
29	Influence of mismatched and bulged nucleotides on SNP-preferential RNase H cleavage of RNA-antisense gapmer heteroduplexes. *Scientific Reports*, **2017**, 7, 12532	4.9	6
28	Identification and Structural Aspects of G-Quadruplex-Forming Sequences from the Influenza A Virus Genome. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	6
27	Stabilization of RNA hairpins using non-nucleotide linkers and circularization. *Nucleic Acids Research* , **2017**, 45, e92	20.1	5
26	Photoaddition of 5-bromouracil to uracil in oligonucleotides leading to 5,5'-bipyrimidine-type adducts: mechanism of the photoreaction. *Journal of Organic Chemistry*, **2012**, 77, 11362-7	4.2	5
25	Influence of N6-isopentenyladenosine (i(6)A) on thermal stability of RNA duplexes. *Biophysical Chemistry*, **2001**, 91, 135-40	3.5	5
24	Solid-supported synthesis of 5'-mRNA CAP-4 from Trypanosomatids. *Nucleosides, Nucleotides and Nucleic Acids*, **2007**, 26, 1329-33	1.4	4
23	Antibodies specific for branched ribonucleic acids. *Analytical Biochemistry*, **1990**, 185, 125-30	3.1	4
22	Unraveling the structural basis for the exceptional stability of RNA G-quadruplexes capped by a uridine tetrad at the 3' terminus. *Rna*, **2019**, 25, 121-134	5.8	4
21	Secondary structure prediction for RNA sequences including N-methyladenosine.. *Nature Communications*, **2022**, 13, 1271	17.4	4
20	Thermodynamic and structural contributions of the 6-thioguanosine residue to helical properties of RNA. *Scientific Reports*, **2019**, 9, 4385	4.9	3
19	Nonenzymatic hydrolysis of oligoribonucleotides III. Stereochemistry and influences of chimeric DNA/RNA on nonenzymatic hydrolysis of oligoribonucleotides. *Collection of Czechoslovak Chemical Communications*, **1996**, 61, 253-257		3
18	Studies on Transcriptional Incorporation of 5'-N-Triphosphates of 5'-Amino-5'-Deoxyribonucleosides. *PLoS ONE*, **2016**, 11, e0148282	3.7	3
17	Modified RNA triplexes: Thermodynamics, structure and biological potential. *Scientific Reports*, **2018**, 8, 13023	4.9	3
16	Conscious uncoupling of riboswitch functions. *Journal of Biological Chemistry*, **2020**, 295, 2568-2569	5.4	2
15	Spectroscopic study of fluorescent probes based on G-quadruplex oligonucleotides labeled with ethynylpyrenyldeoxyuridine. *International Journal of Biological Macromolecules*, **2017**, 105, 862-872	7.9	2
14	A locked derivative of 8-aza-7-deazaadenosine. *Acta Crystallographica Section C: Crystal Structure Communications*, **2008**, 64, o467-70		2

13	Synthesis of Leishmania cap-4 intermediates, cap-2 and cap-3. *Nucleosides, Nucleotides and Nucleic Acids*, **2007**, 26, 1339-48	1.4	2
12	The chemical synthesis of oligoribonucleotides with selectively placed 2'-O-phosphates. *Nucleosides, Nucleotides and Nucleic Acids*, **2000**, 19, 917-33	1.4	2
11	Conserved Structural Motifs of Two Distant IAV Subtypes in Genomic Segment 5 RNA. *Viruses*, **2021** , 13,	6.2	2
10	Small Molecule Rescue and Glycosidic Conformational Analysis of the Twister Ribozyme. *Biochemistry*, **2019**, 58, 4857-4868	3.2	2
9	Structure of an RNA/DNA dodecamer corresponding to the HIV-1 polypurine tract at 1.6 □ resolution. *Acta Crystallographica Section D: Biological Crystallography*, **2012**, 68, 169-75		1
8	Synthesis of oligoribonucleotides containing N6-alkyladenosine and 2-methylthio-N6-alkyladenosine. *Current Protocols in Nucleic Acid Chemistry*, **2004**, Chapter 4, Unit 4.23	0.5	1
7	Inhibition of Deoxyribooligonucleotides on the Circle Opening Reaction of the Intervening Sequence fromTetrahymena thermophila. *Chemistry Letters*, **1990**, 19, 747-748	1.7	1
6	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. *Rna*, **2020**, 26, 2000-2016	5.8	1
5	Secondary Structure Prediction for RNA Sequences Including N6-methyladenosine		1
4	Universal and strain specific structure features of segment 8 genomic RNA of influenza A virus - application of 4-thiouridine photocrosslinking. *Journal of Biological Chemistry*, **2021**, 101245	5.4	0
3	A Test and Refinement of Folding Free Energy Nearest Neighbor Parameters for RNA Including N-Methyladenosine.. *Journal of Molecular Biology*, **2022**, 167632	6.5	0
2	The spontaneous rearrangement of 2,4-dinitrophenyl substituent in ribonucleosides under neutral conditions. *Nucleosides, Nucleotides and Nucleic Acids*, **2010**, 29, 684-97	1.4	
1	A Structural Potential of Rare Trinucleotide Repeat Tracts in RNA. *International Journal of Molecular Sciences*, **2022**, 23, 5850	6.3	