

Hisae Tateishi-Karimata

List of Publications by Year in descending order

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154
papers

7,521
citations

57758

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163
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163
docs citations

163
times ranked

5794
citing authors

#	ARTICLE	IF	CITATIONS
1	Dielectricity of a molecularly crowded solution accelerates NTP misincorporation during RNA-dependent RNA polymerization by T7 RNA polymerase. <i>Scientific Reports</i> , 2022, 12, 1149.	3.3	4
2	Ruthenium Polypyridyl Complex Bound to a Unimolecular Chair-Form G-Quadruplex. <i>Journal of the American Chemical Society</i> , 2022, 144, 5956-5964.	13.7	28
3	Replication Control of Human Telomere G-Quadruplex DNA by G-Quadruplex Ligands Dependent on Solution Environment. <i>Life</i> , 2022, 12, 553.	2.4	1
4	Applicability of the nearest-neighbour model for pseudoknot RNAs. <i>Chemical Communications</i> , 2022, 58, 5952-5955.	4.1	1
5	Volumetric Strategy for Quantitatively Elucidating a Local Hydration Network around a G-Quadruplex. <i>Analytical Chemistry</i> , 2022, 94, 7400-7407.	6.5	4
6	Artificial turn-on riboswitch to control target gene expression using a wild-type riboswitch splicing mechanism. <i>Journal of Bioscience and Bioengineering</i> , 2021, 131, 115-123.	2.2	0
7	Combined Effects of Methylated Cytosine and Molecular Crowding on the Thermodynamic Stability of DNA Duplexes. <i>International Journal of Molecular Sciences</i> , 2021, 22, 947.	4.1	7
8	Watson's Crick versus Hoogsteen Base Pairs: Chemical Strategy to Encode and Express Genetic Information in Life. <i>Accounts of Chemical Research</i> , 2021, 54, 2110-2120.	15.6	30
9	New Insights into the Functions of Nucleic Acids Controlled by Cellular Microenvironments. <i>Topics in Current Chemistry</i> , 2021, 379, 17.	5.8	15
10	Transcriptome screening followed by integrated physicochemical and structural analyses for investigating RNA-mediated berberine activity. <i>Nucleic Acids Research</i> , 2021, 49, 8449-8461.	14.5	11
11	Triple-Helical Binding of Peptide Nucleic Acid Inhibits Maturation of Endogenous MicroRNA-197. <i>ACS Chemical Biology</i> , 2021, 16, 1147-1151.	3.4	13
12	Roles of non-canonical structures of nucleic acids in cancer and neurodegenerative diseases. <i>Nucleic Acids Research</i> , 2021, 49, 7839-7855.	14.5	47
13	Chemical Modulation of DNA Replication along G-Quadruplex Based on Topology-Dependent Ligand Binding. <i>Journal of the American Chemical Society</i> , 2021, 143, 16458-16469.	13.7	31
14	Engineering exosome polymer hybrids by atom transfer radical polymerization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	63
15	Effect of DNA modifications on the transition between canonical and non-canonical DNA structures in CpG islands during senescence. <i>RSC Advances</i> , 2021, 11, 37205-37217.	3.6	7
16	Intramolecular G-quadruplex-hairpin loop structure competition of a GC-rich exon region in the <i>TMPRSS2</i> gene. <i>Chemical Communications</i> , 2021, 58, 48-51.	4.1	4
17	Stability prediction of canonical and non-canonical structures of nucleic acids in various molecular environments and cells. <i>Chemical Society Reviews</i> , 2020, 49, 8439-8468.	38.1	44
18	Improved nearest-neighbor parameters for the stability of RNA/DNA hybrids under a physiological condition. <i>Nucleic Acids Research</i> , 2020, 48, 12042-12054.	14.5	30

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19	Molecular crowding induces primer extension by RNA polymerase through base stacking beyond Watson-Crick rules. <i>RSC Advances</i> , 2020, 10, 33052-33058.	3.6	12
20	Effect of Molecular Crowding on DNA Polymerase Reactions along Unnatural DNA Templates. <i>Molecules</i> , 2020, 25, 4120.	3.8	5
21	Effects of Modifying Thioflavin T at the N3-Position on Its G4 Binding and Fluorescence Emission. <i>Molecules</i> , 2020, 25, 4936.	3.8	4
22	Signaling Aptamer Optimization through Selection Using RNA-Capturing Microsphere Particles. <i>Analytical Chemistry</i> , 2020, 92, 7955-7963.	6.5	6
23	Effect of Molecular Crowding on the Stability of RNA G-Quadruplexes with Various Numbers of Quartets and Lengths of Loops. <i>Biochemistry</i> , 2020, 59, 2640-2649.	2.5	30
24	Nearest-neighbor parameters for predicting DNA duplex stability in diverse molecular crowding conditions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 14194-14201.	7.1	37
25	Thrombin binding aptamer G-quadruplex stabilized by pyrene-modified nucleotides. <i>Nucleic Acids Research</i> , 2020, 48, 3975-3986.	14.5	32
26	Hydroxyl groups in cosolutes regulate the G-quadruplex topology of telomeric DNA. <i>Biochemical and Biophysical Research Communications</i> , 2020, 525, 177-183.	2.1	4
27	Preferential targeting cancer-related i-motif DNAs by the plant flavonol fisetin for theranostics applications. <i>Scientific Reports</i> , 2020, 10, 2504.	3.3	25
28	New Modified Deoxythymine with Dibranching Tetraethylene Glycol Stabilizes G-Quadruplex Structures. <i>Molecules</i> , 2020, 25, 705.	3.8	5
29	Chemical biology of non-canonical structures of nucleic acids for therapeutic applications. <i>Chemical Communications</i> , 2020, 56, 2379-2390.	4.1	59
30	Effect of Potassium Concentration on Triplex Stability under Molecular Crowding Conditions. <i>Molecules</i> , 2020, 25, 387.	3.8	8
31	RNA G-Quadruplexes Facilitate RNA Accumulation in G-Rich Repeat Expansions. <i>Biochemistry</i> , 2020, 59, 1972-1980.	2.5	16
32	Aptamer Optimization: RNA-Capturing Microsphere Particles (RCAMPs) for Optimization of Functional Aptamers (Small 26/2019). <i>Small</i> , 2019, 15, 1970140.	10.0	0
33	Quantitative Analysis of Stall of Replicating DNA Polymerase by G-Quadruplex Formation. <i>Methods in Molecular Biology</i> , 2019, 2035, 257-274.	0.9	4
34	<i>In situ</i> condensation of an anti-cancer drug into fibrin gel enabling effective inhibition of tumor cell growth. <i>Chemical Communications</i> , 2019, 55, 11679-11682.	4.1	7
35	Bisubstrate Function of RNA Polymerases Triggered by Molecular Crowding Conditions. <i>Biochemistry</i> , 2019, 58, 1081-1093.	2.5	11
36	Conformational Dynamics of the RNA G-Quadruplex and its Effect on Translation Efficiency. <i>Molecules</i> , 2019, 24, 1613.	3.8	29

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37	Lighting Up of Thiazole Orange on G-Quadruplex DNA by High Pressure. <i>ACS Omega</i> , 2019, 4, 4325-4329.	3.5	5
38	RNA-Capturing Microsphere Particles (RCAMPs) for Optimization of Functional Aptamers. <i>Small</i> , 2019, 15, e1805062.	10.0	9
39	Validation of the nearest-neighbor model for Watson-Crick self-complementary DNA duplexes in molecular crowding condition. <i>Nucleic Acids Research</i> , 2019, 47, 3284-3294.	14.5	30
40	C-Rich Sequence in a Non-Template DNA Strand Regulates Structure Change of G-Quadruplex in a Template Strand during Transcription. <i>Bulletin of the Chemical Society of Japan</i> , 2019, 92, 572-577.	3.2	7
41	Characterization of Intracellular Crowding Environments with Topology-Based DNA Quadruplex Sensors. <i>Analytical Chemistry</i> , 2019, 91, 2586-2590.	6.5	30
42	Pursuing origins of (poly)ethylene glycol-induced G-quadruplex structural modulations. <i>Nucleic Acids Research</i> , 2018, 46, 4301-4315.	14.5	44
43	Alkylating probes for the G-quadruplex structure and evaluation of the properties of the alkylated G-quadruplex DNA. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 1436-1441.	2.8	12
44	Cotranslational protein assembly imposes evolutionary constraints on homomeric proteins. <i>Nature Structural and Molecular Biology</i> , 2018, 25, 279-288.	8.2	43
45	Destabilization of DNA G-Quadruplexes by Chemical Environment Changes during Tumor Progression Facilitates Transcription. <i>Journal of the American Chemical Society</i> , 2018, 140, 642-651.	13.7	79
46	Drastic stability change of X-X mismatch in d(CXG) trinucleotide repeat disorders under molecular crowding condition. <i>Biochemical and Biophysical Research Communications</i> , 2018, 496, 601-607.	2.1	8
47	Biological and nanotechnological applications using interactions between ionic liquids and nucleic acids. <i>Biophysical Reviews</i> , 2018, 10, 931-940.	3.2	26
48	Recovery of the Formation and Function of Oxidized G-Quadruplexes by a Pyrene-Modified Guanine Tract. <i>Journal of the American Chemical Society</i> , 2018, 140, 5774-5783.	13.7	49
49	A Turn-On Detection of DNA Sequences by Means of Fluorescence of DNA-Templated Silver Nanoclusters via Unique Interactions of a Hydrated Ionic Liquid. <i>Molecules</i> , 2018, 23, 2889.	3.8	16
50	Design and Properties of Ligand-Conjugated Guanine Oligonucleotides for Recovery of Mutated G-Quadruplexes. <i>Molecules</i> , 2018, 23, 3228.	3.8	2
51	Mirror-Image Dependence: Targeting Enantiomeric G-Quadruplex DNA Using Triplex Metallohelices. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 15723-15727.	13.8	44
52	Co-Transcriptional Molecular Assembly Results in a Kinetically Controlled Irreversible RNA Conformational Switch. <i>Analytical Chemistry</i> , 2018, 90, 11193-11197.	6.5	7
53	An anionic phthalocyanine decreases NRAS expression by breaking down its RNA G-quadruplex. <i>Nature Communications</i> , 2018, 9, 2271.	12.8	55
54	Volumetric contributions of loop regions of G-quadruplex DNA to the formation of the tertiary structure. <i>Biophysical Chemistry</i> , 2017, 231, 146-154.	2.8	19

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55	Conformational Dynamics of mRNA in Gene Expression as New Pharmaceutical Target. <i>Chemical Record</i> , 2017, 17, 817-832.	5.8	13
56	Unexpected Position-Dependent Effects of Ribose G-Quartets in G-Quadruplexes. <i>Journal of the American Chemical Society</i> , 2017, 139, 7768-7779.	13.7	30
57	Topological impact of noncanonical DNA structures on Klenow fragment of DNA polymerase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 9605-9610.	7.1	104
58	Quantitative Analysis of Nucleic Acid Stability with Ligands Under High Pressure to Design Novel Drugs Targeting G-Quadruplexes. <i>Current Protocols in Nucleic Acid Chemistry</i> , 2017, 70, 17.9.1-17.9.17.	0.5	3
59	Model studies of the effects of intracellular crowding on nucleic acid interactions. <i>Molecular BioSystems</i> , 2017, 13, 32-41.	2.9	43
60	Volumetric analysis of formation of the complex of G-quadruplex DNA with hemin using high pressure. <i>Journal of Inorganic Biochemistry</i> , 2017, 166, 199-207.	3.5	18
61	Effects of metal ions and cosolutes on G-quadruplex topology. <i>Journal of Inorganic Biochemistry</i> , 2017, 166, 190-198.	3.5	57
62	Specific Light-Up System for Protein and Metabolite Targets Triggered by Initiation Complex Formation. <i>Scientific Reports</i> , 2017, 7, 15191.	3.3	11
63	Newly characterized interaction stabilizes DNA structure: oligoethylene glycols stabilize G-quadruplexes CH π - π interactions. <i>Nucleic Acids Research</i> , 2017, 45, 7021-7030.	14.5	23
64	Through-bond effects in the ternary complexes of thrombin sandwiched by two DNA aptamers. <i>Nucleic Acids Research</i> , 2017, 45, 461-469.	14.5	53
65	G-Quadruplexes with Tetra(ethylene glycol)-Modified Deoxythymidines are Resistant to Nucleases and Inhibit HIV-1 Reverse Transcriptase. <i>ChemBioChem</i> , 2016, 17, 1399-1402.	2.6	10
66	Expansion of the DNA Alphabet beyond Natural DNA Recognition. <i>ChemBioChem</i> , 2016, 17, 1301-1303.	2.6	5
67	Mechanical insights into ribosomal progression overcoming RNA G-quadruplex from periodical translation suppression in cells. <i>Scientific Reports</i> , 2016, 6, 22719.	3.3	39
68	Effects of trimethylamine <i>N</i> -oxide and urea on DNA duplex and G-quadruplex. <i>Science and Technology of Advanced Materials</i> , 2016, 17, 753-759.	6.1	24
69	Titelbild: Nucleobase-Modified PNA Suppresses Translation by Forming a Triple Helix with a Hairpin Structure in mRNA <i>In</i> -Vitro and in Cells (Angew. Chem. 3/2016). <i>Angewandte Chemie</i> , 2016, 128, 833-833.	2.0	0
70	Thermal Stability of RNA Structures with Bulky Cations in Mixed Aqueous Solutions. <i>Biophysical Journal</i> , 2016, 111, 1350-1360.	0.5	13
71	tRNA Shifts the G-Quadruplex-Hairpin Conformational Equilibrium in RNA towards the Hairpin Conformer. <i>Angewandte Chemie</i> , 2016, 128, 14527-14531.	2.0	4
72	tRNA Shifts the G-Quadruplex-Hairpin Conformational Equilibrium in RNA towards the Hairpin Conformer. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 14315-14319.	13.8	31

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73	Local thermodynamics of the water molecules around single- and double-stranded DNA studied by grid inhomogeneous solvation theory. <i>Chemical Physics Letters</i> , 2016, 660, 250-255.	2.6	12
74	Triplex-forming PNA modified with unnatural nucleobases: the role of protonation entropy in RNA binding. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 32002-32006.	2.8	15
75	Innenr¼ctitelbild: tRNA Shifts the G-quadruplex-Hairpin Conformational Equilibrium in RNA towards the Hairpin Conformer (<i>Angew. Chem.</i> 46/2016). <i>Angewandte Chemie</i> , 2016, 128, 14685-14685.	2.0	0
76	Nucleobase-Modified PNA Suppresses Translation by Forming a Triple Helix with a Hairpin Structure in mRNA In-...Vitro and in Cells. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 899-903.	13.8	56
77	Real-Time Monitoring of G-Quadruplex Formation during Transcription. <i>Analytical Chemistry</i> , 2016, 88, 1984-1989.	6.5	34
78	Incorporation of O ⁶ -methylguanine restricts the conformational conversion of the human telomere G-quadruplex under molecular crowding conditions. <i>Chemical Communications</i> , 2016, 52, 1903-1906.	4.1	3
79	The structural stability and catalytic activity of DNA and RNA oligonucleotides in the presence of organic solvents. <i>Biophysical Reviews</i> , 2016, 8, 11-23.	3.2	66
80	Reevaluation of the stability of G-quadruplex structures under crowding conditions. <i>Biochimie</i> , 2016, 121, 204-208.	2.6	30
81	DNA structures under molecular crowding conditions with a phosphorylcholine derivative (MPC). <i>Transactions of the Materials Research Society of Japan</i> , 2015, 40, 99-102.	0.2	2
82	Thermodynamic properties of water molecules in the presence of cosolute depend on DNA structure: a study using grid inhomogeneous solvation theory. <i>Nucleic Acids Research</i> , 2015, 43, gkv1133.	14.5	29
83	Rational Design and Tuning of Functional RNA Switch to Control an Allosteric Intermolecular Interaction. <i>Analytical Chemistry</i> , 2015, 87, 7628-7635.	6.5	14
84	i-Motifs are more stable than G-quadruplexes in a hydrated ionic liquid. <i>Chemical Communications</i> , 2015, 51, 6909-6912.	4.1	35
85	DNA sensor's selectivity enhancement and protection from contaminating nucleases due to a hydrated ionic liquid. <i>Analyst</i> , 2015, 140, 4393-4398.	3.5	11
86	Structural foundation for DNA behavior in hydrated ionic liquid: An NMR study. <i>Biochimie</i> , 2015, 108, 169-177.	2.6	22
87	New Insights into Transcription Fidelity: Thermal Stability of Non-Canonical Structures in Template DNA Regulates Transcriptional Arrest, Pause, and Slippage. <i>PLoS ONE</i> , 2014, 9, e90580.	2.5	51
88	Organelle-mimicking liposome dissociates G-quadruplexes and facilitates transcription. <i>Nucleic Acids Research</i> , 2014, 42, 12949-12959.	14.5	6
89	Methyl Substitution Regulates the Enantioselectivity of Supramolecular Complex Binding to Human Telomeric G-Quadruplex DNA. <i>Chemistry - A European Journal</i> , 2014, 20, 16467-16472.	3.3	9
90	Dangling Ends Perturb the Stability of RNA Duplexes Responsive to Surrounding Conditions. <i>ChemMedChem</i> , 2014, 9, 2150-2155.	3.2	4

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91	Control of stability and structure of nucleic acids using cosolutes. <i>Methods</i> , 2014, 67, 151-158.	3.8	15
92	Noncanonical Structures and Their Thermodynamics of DNA and RNA Under Molecular Crowding. <i>International Review of Cell and Molecular Biology</i> , 2014, 307, 205-273.	3.2	30
93	Choline Ion Interactions with DNA Atoms Explain Unique Stabilization of Aâ€“T Base Pairs in DNA Duplexes: A Microscopic View. <i>Journal of Physical Chemistry B</i> , 2014, 118, 379-389.	2.6	63
94	Hammerhead ribozyme activity and oligonucleotide duplex stability in mixed solutions of water and organic compounds. <i>FEBS Open Bio</i> , 2014, 4, 643-650.	2.3	27
95	Affinity of Molecular Ions for DNA Structures Is Determined by Solvent-Accessible Surface Area. <i>Journal of Physical Chemistry B</i> , 2014, 118, 9583-9594.	2.6	18
96	Structure, stability and behaviour of nucleic acids in ionic liquids. <i>Nucleic Acids Research</i> , 2014, 42, 8831-8844.	14.5	104
97	Effects of Molecular Crowding on the Structures, Interactions, and Functions of Nucleic Acids. <i>Chemical Reviews</i> , 2014, 114, 2733-2758.	47.7	430
98	Preparation of hydrogels for the study of the effects of spatial confinement on DNA. <i>Transactions of the Materials Research Society of Japan</i> , 2014, 39, 435-438.	0.2	3
99	Comparable Stability of Hoogsteen and Watsonâ€“Crick Base Pairs in Ionic Liquid Choline Dihydrogen Phosphate. <i>Scientific Reports</i> , 2014, 4, 3593.	3.3	42
100	Multiple and Cooperative Binding of Fluorescence Light-up Probe Thioflavin T with Human Telomere DNA G-Quadruplex. <i>Biochemistry</i> , 2013, 52, 5620-5628.	2.5	96
101	Quantitative Analyses of Nucleic Acid Stability Under the Molecular Crowding Condition Induced by Cosolutes. <i>Current Protocols in Nucleic Acid Chemistry</i> , 2013, 53, Unit7.19.	0.5	20
102	Sequence and Solvent Effects on Telomeric DNA Bimolecular G-Quadruplex Folding Kinetics. <i>Journal of Physical Chemistry B</i> , 2013, 117, 12391-12401.	2.6	27
103	Thermodynamics-Hydration Relationships within Loops That Affect G-Quadruplexes under Molecular Crowding Conditions. <i>Journal of Physical Chemistry B</i> , 2013, 117, 963-972.	2.6	22
104	Study on effects of molecular crowding on G-quadruplex-ligand binding and ligand-mediated telomerase inhibition. <i>Methods</i> , 2013, 64, 19-27.	3.8	33
105	Real-time monitoring of DNA hybridization kinetics on living cell surfaces. <i>Chemical Communications</i> , 2013, 49, 8444.	4.1	14
106	Stability of RNA quadruplex in open reading frame determines proteolysis of human estrogen receptor β . <i>Nucleic Acids Research</i> , 2013, 41, 6222-6231.	14.5	63
107	Suppression of Gene Expression by Gâ€“Quadruplexes in Open Reading Frames Depends on Gâ€“Quadruplex Stability. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 5522-5526.	13.8	125
108	Effect of Pressure on Thermal Stability of G-Quadruplex DNA and Double-Stranded DNA Structures. <i>Molecules</i> , 2013, 18, 13297-13319.	3.8	46

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109	Hydration Changes upon DNA Folding Studied by Osmotic Stress Experiments. <i>Biophysical Journal</i> , 2012, 102, 2808-2817.	0.5	47
110	Beads-on-a-String Structure of Long Telomeric DNAs under Molecular Crowding Conditions. <i>Journal of the American Chemical Society</i> , 2012, 134, 20060-20069.	13.7	96
111	Phthalocyanines: a new class of G-quadruplex-ligands with many potential applications. <i>Chemical Communications</i> , 2012, 48, 6203.	4.1	106
112	Aâ€T Base Pairs are More Stable Than Gâ€C Base Pairs in a Hydrated Ionic Liquid. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 1416-1419.	13.8	94
113	Conformational Flexibility Influences Degree of Hydration of Nucleic Acid Hybrids. <i>Journal of Physical Chemistry B</i> , 2011, 115, 13862-13872.	2.6	29
114	The Effects of Molecular Crowding on the Structure and Stability of G-Quadruplexes with an Abasic Site. <i>Journal of Nucleic Acids</i> , 2011, 2011, 1-9.	1.2	17
115	DNA Morphologic Changes Induced by Spermine on a Gold Surface under DNA Crowding Conditions. <i>Chemistry Letters</i> , 2011, 40, 855-857.	1.3	1
116	Ultrasensitive and Selective Detection of a Prognostic Indicator in Early-Stage Cancer Using Graphene Oxide and Carbon Nanotubes. <i>Advanced Functional Materials</i> , 2010, 20, 3967-3971.	14.9	130
117	Ultrasensitive and Selective Detection of a Prognostic Indicator in Early-Stage Cancer Using Graphene Oxide and Carbon Nanotubes. <i>Advanced Functional Materials</i> , 2010, 20, 3966-3966.	14.9	94
118	Monomorphic RNA G-Quadruplex and Polymorphic DNA G-Quadruplex Structures Responding to Cellular Environmental Factors. <i>Biochemistry</i> , 2010, 49, 4554-4563.	2.5	130
119	Anionic phthalocyanines targeting G-quadruplexes and inhibiting telomerase activity in the presence of excessive DNA duplexes. <i>Chemical Communications</i> , 2010, 46, 5740.	4.1	56
120	Sole and Stable RNA Duplexes of G-Rich Sequences Located in the 5â€2-Untranslated Region of Protooncogenes. <i>Biochemistry</i> , 2010, 49, 7190-7201.	2.5	11
121	Stabilization of Three-Way Junctions of DNA under Molecular Crowding Conditions. <i>Journal of the American Chemical Society</i> , 2009, 131, 9268-9280.	13.7	61
122	Hydration of Watsonâ€Crick Base Pairs and Dehydration of Hoogsteen Base Pairs Inducing Structural Polymorphism under Molecular Crowding Conditions. <i>Journal of the American Chemical Society</i> , 2009, 131, 3522-3531.	13.7	127
123	Regulation of Telomerase Activity by the Thermodynamic Stability of a DNAâ€RNA Hybrid. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 9034-9038.	13.8	30
124	Molecular crowding effects on structure and stability of DNA. <i>Biochimie</i> , 2008, 90, 1040-1051.	2.6	234
125	Conformation and the sodium ion condensation on DNA and RNA structures in the presence of a neutral cosolute as a mimic of the intracellular media. <i>Molecular BioSystems</i> , 2008, 4, 579.	2.9	46
126	Effects of Polyethylene Glycol on DNA Duplex Stability at Different NaCl Concentrations. <i>Bulletin of the Chemical Society of Japan</i> , 2007, 80, 1987-1994.	3.2	28

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127	Regulation of DNA nucleases by molecular crowding. <i>Nucleic Acids Research</i> , 2007, 35, 4086-4093.	14.5	75
128	Characterization of Structure and Stability of Long Telomeric DNA G-Quadruplexes. <i>Journal of the American Chemical Society</i> , 2006, 128, 15461-15468.	13.7	166
129	Hydration Regulates Thermodynamics of G-Quadruplex Formation under Molecular Crowding Conditions. <i>Journal of the American Chemical Society</i> , 2006, 128, 7957-7963.	13.7	301
130	Influences of Molecular Crowding on the Properties and Functions of Biomolecules. <i>Seibutsu Butsuri</i> , 2006, 46, 251-256.	0.1	1
131	The Effect of Molecular Crowding with Nucleotide Length and Cosolute Structure on DNA Duplex Stability. <i>Journal of the American Chemical Society</i> , 2004, 126, 14330-14331.	13.7	209
132	Structural Competition Involving G-Quadruplex DNA and Its Complement. <i>Biochemistry</i> , 2003, 42, 11736-11744.	2.5	113
133	Beyond the Watson-Crick double helix: design of functional nucleic acids in silico, in tube, and in cell. <i>Nucleic Acids Symposium Series</i> , 2003, 3, 211-212.	0.3	0
134	Novel biomaterials derived from deoxyribozyme and NAPzyme. <i>Macromolecular Symposia</i> , 2003, 201, 245-252.	0.7	0
135	Long RNA Dangling End Has Large Energetic Contribution to Duplex Stability. <i>Journal of the American Chemical Society</i> , 2002, 124, 10367-10372.	13.7	79
136	Effect of divalent cations on antiparallel G-quartet structure of d(G4 T4 G4). <i>FEBS Letters</i> , 2001, 496, 128-133.	2.8	91
137	Stabilization Factors Affecting Duplex Formation of Peptide Nucleic Acid with DNA. <i>Biochemistry</i> , 2001, 40, 8444-8451.	2.5	36
138	DNA recognition of a 24-mer peptide derived from RecA protein. <i>Biopolymers</i> , 2000, 55, 416-424.	2.4	4
139	Complexation of peptide with Cu ²⁺ responsible to inducing and enhancing the formation of alpha-helix conformation. , 2000, 13, 349-359.		12
140	A role of the Trp-His interaction in the conformational switch between α -helix and β -sheet in short alanine-based peptides. <i>Perkin Transactions II RSC</i> , 2000, , 2135-2140.	1.1	9
141	Development of small peptides recognizing a monosaccharide by combinatorial chemistry. <i>Chemical Communications</i> , 2000, , 2295-2296.	4.1	28
142	Thermodynamics-Structure Relationship of Single Mismatches in RNA/DNA Duplexes. <i>Biochemistry</i> , 2000, 39, 11270-11281.	2.5	137
143	Development of Functional Nucleic Acids and Peptides by Combinatorial Chemistry and Downsizing Methods.. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2000, 58, 1133-1143.	0.1	2
144	Improved Thermodynamic Parameters and Helix Initiation Factor to Predict Stability of DNA Duplexes. <i>Nucleic Acids Research</i> , 1996, 24, 4501-4505.	14.5	453

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145	The Stability of DNA and RNA G-Quartets. <i>Nucleosides & Nucleotides</i> , 1996, 15, 559-567.	0.5	10
146	Thermodynamic Parameters To Predict Stability of RNA/DNA Hybrid Duplexes. <i>Biochemistry</i> , 1995, 34, 11211-11216.	2.5	660
147	Application of the Thermodynamic Parameters of DNA Stability Prediction to Double-Helix Formation of Deoxyribooligonucleotides. <i>Nucleosides & Nucleotides</i> , 1994, 13, 1311-1317.	0.5	23
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