

Jonathan Brad Chaires

List of Publications by Year in descending order

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185
papers

18,332
citations

16451

64
h-index

12946

131
g-index

220
all docs

220
docs citations

220
times ranked

11048
citing authors

#	ARTICLE	IF	CITATIONS
1	Neither .DELTA.- nor .LAMBDA.-tris(phenanthroline)ruthenium(II) binds to DNA by classical intercalation. <i>Biochemistry</i> , 1992, 31, 9319-9324.	2.5	1,268
2	Tris(phenanthroline)ruthenium(II) enantiomer interactions with DNA: Mode and specificity of binding. <i>Biochemistry</i> , 1993, 32, 2573-2584.	2.5	1,148
3	Studies on interaction of anthracycline antibiotics and deoxyribonucleic acid: equilibrium binding studies on the interaction of daunomycin with deoxyribonucleic acid. <i>Biochemistry</i> , 1982, 21, 3933-3940.	2.5	925
4	Stability and kinetics of G-quadruplex structures. <i>Nucleic Acids Research</i> , 2008, 36, 5482-5515.	14.5	644
5	Sequence and Structural Selectivity of Nucleic Acid Binding Ligands. <i>Biochemistry</i> , 1999, 38, 16067-16075.	2.5	523
6	Interaction of .DELTA.- and .LAMBDA.-[Ru(phen)2DPPZ]2+ with DNA: A Calorimetric and Equilibrium Binding Study. <i>Journal of the American Chemical Society</i> , 1995, 117, 4788-4796.	13.7	512
7	Criteria for the mode of binding of DNA binding agents. <i>Bioorganic and Medicinal Chemistry</i> , 1995, 3, 723-728.	3.0	434
8	Energetics of drug-DNA interactions. <i>Biopolymers</i> , 1997, 44, 201-215.	2.4	377
9	Thermal difference spectra: a specific signature for nucleic acid structures. <i>Nucleic Acids Research</i> , 2005, 33, e138-e138.	14.5	371
10	A thermodynamic signature for drug-DNA binding mode. <i>Archives of Biochemistry and Biophysics</i> , 2006, 453, 26-31.	3.0	368
11	Not so crystal clear: the structure of the human telomere G-quadruplex in solution differs from that present in a crystal. <i>Nucleic Acids Research</i> , 2005, 33, 4649-4659.	14.5	335
12	G-Quadruplex Secondary Structure Obtained from Circular Dichroism Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 7171-7175.	13.8	333
13	Calorimetry and Thermodynamics in Drug Design. <i>Annual Review of Biophysics</i> , 2008, 37, 135-151.	10.0	331
14	Specific binding of hoechst 33258 to the d(CGCAAATTTGCG)2 duplex: calorimetric and spectroscopic studies. <i>Journal of Molecular Biology</i> , 1997, 271, 244-257.	4.2	297
15	Circular dichroism to determine binding mode and affinity of ligand-DNA interactions. <i>Nature Protocols</i> , 2007, 2, 3166-3172.	12.0	281
16	Drug-DNA interactions. <i>Current Opinion in Structural Biology</i> , 1998, 8, 314-320.	5.7	280
17	Energetics of DNA Intercalation Reactions. <i>Biochemistry</i> , 2000, 39, 8439-8447.	2.5	272
18	Selfassociation of daunomycin. <i>Biochemistry</i> , 1982, 21, 3927-3932.	2.5	260

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19	Sequence-Specific DNA Minor Groove Binders. Design and Synthesis of Netropsin and Distamycin Analogues. <i>Bioconjugate Chemistry</i> , 1998, 9, 513-538.	3.6	255
20	Preferential binding of daunomycin to 5'TACG and 5'TAGC sequences revealed by footprinting titration experiments. <i>Biochemistry</i> , 1990, 29, 6145-6153.	2.5	226
21	Effects of Hydration, Ion Release, and Excluded Volume on the Melting of Triplex and Duplex DNA. <i>Biochemistry</i> , 1999, 38, 496-508.	2.5	225
22	Hydration Is a Major Determinant of the G-Quadruplex Stability and Conformation of the Human Telomere 3' Sequence of d(AG ₃ (TTAG ₃) ₃). <i>Journal of the American Chemical Society</i> , 2010, 132, 17105-17107.	13.7	197
23	Parsing the Free Energy of Anthracycline Antibiotic Binding to DNA. <i>Biochemistry</i> , 1996, 35, 2047-2053.	2.5	187
24	Hydration Changes for DNA Intercalation Reactions. <i>Journal of the American Chemical Society</i> , 2001, 123, 1-7.	13.7	184
25	Kinetics and mechanism of K ⁺ - and Na ⁺ -induced folding of models of human telomeric DNA into G-quadruplex structures. <i>Nucleic Acids Research</i> , 2008, 36, 4191-4203.	14.5	180
26	Molecular Docking of Intercalators and Groove-Binders to Nucleic Acids Using Autodock and Surflex. <i>Journal of Chemical Information and Modeling</i> , 2008, 48, 1602-1615.	5.4	178
27	Site and sequence specificity of the daunomycin-DNA interaction. <i>Biochemistry</i> , 1987, 26, 8227-8236.	2.5	174
28	Folding and Unfolding Pathways of the Human Telomeric G-Quadruplex. <i>Journal of Molecular Biology</i> , 2014, 426, 1629-1650.	4.2	166
29	Structure and Stability of Higher-Order Human Telomeric Quadruplexes. <i>Journal of the American Chemical Society</i> , 2011, 133, 20951-20961.	13.7	165
30	Possible origin of differences between van't Hoff and calorimetric enthalpy estimates. <i>Biophysical Chemistry</i> , 1997, 64, 15-23.	2.8	159
31	Allosteric, chiral-selective drug binding to DNA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 12032-12037.	7.1	154
32	Structure-Based Design of a New Bisintercalating Anthracycline Antibiotic. <i>Journal of Medicinal Chemistry</i> , 1997, 40, 261-266.	6.4	150
33	Thermodynamics of the Binding of a Cationic Lipid to DNA. <i>Journal of the American Chemical Society</i> , 1997, 119, 10920-10928.	13.7	135
34	A premelting conformational transition in poly(dA)-poly(dT) coupled to daunomycin binding. <i>Biochemistry</i> , 1989, 28, 1993-2000.	2.5	130
35	Thermodynamics of the daunomycin-DNA interaction: Ionic strength dependence of the enthalpy and entropy. <i>Biopolymers</i> , 1985, 24, 403-419.	2.4	126
36	Energetics and Kinetics of a Conformational Switch in G-Quadruplex DNA. <i>Journal of Physical Chemistry B</i> , 2009, 113, 2676-2683.	2.6	126

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37	The Tail of the Telomere. <i>Journal of the American Chemical Society</i> , 2008, 130, 16530-16532.	13.7	125
38	Differential scanning calorimetry of blood plasma for clinical diagnosis and monitoring. <i>Experimental and Molecular Pathology</i> , 2009, 86, 186-191.	2.1	125
39	Equilibrium studies on the interaction of daunomycin with deoxypolynucleotides. <i>Biochemistry</i> , 1983, 22, 4204-4211.	2.5	124
40	Polyethylene glycol binding alters human telomere G-quadruplex structure by conformational selection. <i>Nucleic Acids Research</i> , 2013, 41, 7934-7946.	14.5	122
41	Human telomeric G-quadruplex: thermodynamic and kinetic studies of telomeric quadruplex stability. <i>FEBS Journal</i> , 2010, 277, 1098-1106.	4.7	119
42	Kinetics of the daunomycin-DNA interaction. <i>Biochemistry</i> , 1985, 24, 260-267.	2.5	113
43	Thermodynamic studies for drug design and screening. <i>Expert Opinion on Drug Discovery</i> , 2012, 7, 299-314.	5.0	110
44	Ultratight DNA Binding of a New Bisintercalating Anthracycline Antibiotic. <i>Biochemistry</i> , 1998, 37, 1743-1753.	2.5	109
45	Molecular recognition of nucleic acids: Coralyne binds strongly to poly(A). <i>FEBS Letters</i> , 2005, 579, 5035-5039.	2.8	106
46	Populated Intermediates in the Thermal Unfolding of the Human Telomeric Quadruplex. <i>Journal of the American Chemical Society</i> , 2012, 134, 16834-16844.	13.7	105
47	Studies on the interaction of anthracycline antibiotics and deoxyribonucleic acid: geometry of intercalation of iremycin and daunomycin. <i>Biochemistry</i> , 1982, 21, 3940-3946.	2.5	100
48	Modeling complex equilibria in isothermal titration calorimetry experiments: Thermodynamic parameters estimation for a three-binding-site model. <i>Analytical Biochemistry</i> , 2013, 434, 233-241.	2.4	98
49	Calorimetry Outside the Box: A New Window into the Plasma Proteome. <i>Biophysical Journal</i> , 2008, 94, 1377-1383.	0.5	96
50	Binding of daunomycin to calf thymus nucleosomes. <i>Biochemistry</i> , 1983, 22, 284-292.	2.5	88
51	Energetics of echinomycin binding to DNA. <i>Nucleic Acids Research</i> , 2003, 31, 6191-6197.	14.5	88
52	Biophysical Characterization of the Human Telomeric (TTAGGG) ₄ Repeat in a Potassium Solution. <i>Biochemistry</i> , 2007, 46, 4654-4660.	2.5	87
53	Characterization of a K ⁺ -Induced Conformational Switch in a Human Telomeric DNA Oligonucleotide Using 2-Aminopurine Fluorescence. <i>Biochemistry</i> , 2010, 49, 179-194.	2.5	87
54	Biophysical chemistry of the daunomycin-DNA interaction. <i>Biophysical Chemistry</i> , 1990, 35, 191-202.	2.8	86

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55	Tight Binding of the Antitumor Drug Ditercalinium to Quadruplex DNA. <i>ChemBioChem</i> , 2002, 3, 1235-1241.	2.6	80
56	Use of competition dialysis in the discovery of G-quadruplex selective ligands. <i>Methods</i> , 2007, 43, 313-323.	3.8	80
57	Intercalation of Trioxatriangulenium Ion in DNA: Binding, Electron Transfer, X-ray Crystallography, and Electronic Structure. <i>Journal of the American Chemical Society</i> , 2003, 125, 2072-2083.	13.7	72
58	Activation of the Proapoptotic Bcl-2 Protein Bax by a Small Molecule Induces Tumor Cell Apoptosis. <i>Molecular and Cellular Biology</i> , 2014, 34, 1198-1207.	2.3	72
59	Interaction of an Acridine Dimer with DNA Quadruplex Structures. <i>Journal of Biomolecular Structure and Dynamics</i> , 2001, 19, 505-513.	3.5	71
60	Tiny telomere DNA. <i>Nucleic Acids Research</i> , 2002, 30, 2307-2315.	14.5	71
61	Energetic basis of molecular recognition in a DNA aptamer. <i>Biophysical Chemistry</i> , 2007, 126, 165-175.	2.8	71
62	A Multilaboratory Comparison of Calibration Accuracy and the Performance of External References in Analytical Ultracentrifugation. <i>PLoS ONE</i> , 2015, 10, e0126420.	2.5	71
63	Parsing free energies of drug-DNA interactions. <i>Methods in Enzymology</i> , 2000, 323, 373-405.	1.0	67
64	Analysis and interpretation of ligand-DNA binding isotherms. <i>Methods in Enzymology</i> , 2001, 340, 3-22.	1.0	67
65	Binding of Two Novel Bisdaunorubicins to DNA Studied by NMR Spectroscopy. <i>Biochemistry</i> , 1997, 36, 8663-8670.	2.5	66
66	Effect of O ⁶ -Methylguanine on the Stability of G-Quadruplex DNA. <i>Journal of the American Chemical Society</i> , 2008, 130, 6710-6711.	13.7	64
67	Enthalpies of DNA melting in the presence of osmolytes. <i>Biophysical Chemistry</i> , 2007, 126, 176-185.	2.8	63
68	The hTERT core promoter forms three parallel G-quadruplexes. <i>Nucleic Acids Research</i> , 2020, 48, 5720-5734.	14.5	61
69	Selective Stabilization of Triplex DNA by Poly(ethylene glycols). <i>Journal of the American Chemical Society</i> , 1995, 117, 12887-12888.	13.7	60
70	Structure of a DNA-Bisdaunomycin Complex. <i>Biochemistry</i> , 1997, 36, 5940-5946.	2.5	60
71	Enhanced Binding to DNA and Topoisomerase I Inhibition by an Analog of the Antitumor Antibiotic Rebecamycin Containing an Amino Sugar Residue. <i>Molecular Pharmacology</i> , 1999, 55, 377-385.	2.3	60
72	Analysis of drug-DNA binding data. <i>Methods in Enzymology</i> , 2000, 321, 353-369.	1.0	60

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73	Singular value decomposition of 3-D DNA melting curves reveals complexity in the melting process. <i>European Biophysics Journal</i> , 1997, 26, 419-426.	2.2	59
74	Triplex Selective 2-(2-Naphthyl)quinoline Compounds: Origins of Affinity and New Design Principles. <i>Journal of the American Chemical Society</i> , 2003, 125, 7272-7283.	13.7	59
75	Detection of Cervical Cancer Biomarker Patterns in Blood Plasma and Urine by Differential Scanning Calorimetry and Mass Spectrometry. <i>PLoS ONE</i> , 2014, 9, e84710.	2.5	59
76	Structural Selectivity of Aromatic Diamidines. <i>Journal of Medicinal Chemistry</i> , 2004, 47, 5729-5742.	6.4	57
77	Characterization of Quadruplex DNA Structure by Circular Dichroism. <i>Current Protocols in Nucleic Acid Chemistry</i> , 2017, 68, 17.8.1-17.8.16.	0.5	56
78	Base Specific and Regioselective Chemical Cross-Linking of Daunorubicin to DNA. <i>Journal of the American Chemical Society</i> , 1996, 118, 4731-4738.	13.7	55
79	Not all G-quadruplexes are created equally: an investigation of the structural polymorphism of the c-Myc G-quadruplex-forming sequence and its interaction with the porphyrin TMPyP4. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 9393.	2.8	55
80	An Improved Model for the hTERT Promoter Quadruplex. <i>PLoS ONE</i> , 2014, 9, e115580.	2.5	55
81	Long-range allosteric effects on the B to Z equilibrium by daunomycin. <i>Biochemistry</i> , 1985, 24, 7479-7486.	2.5	53
82	A New Bisintercalating Anthracycline with Picomolar DNA Binding Affinity. <i>Journal of Medicinal Chemistry</i> , 2005, 48, 8209-8219.	6.4	53
83	Enthalpy/Entropy Compensation: Influence of DNA Flanking Sequence on the Binding of 7-Amino Actinomycin D to Its Primary Binding Site in Short DNA Duplexes. <i>Biochemistry</i> , 2003, 42, 11960-11967.	2.5	52
84	Dissection of the free energy of anthracycline antibiotic binding to DNA: electrostatic contributions. <i>Journal of the American Chemical Society</i> , 1993, 115, 5360-5364.	13.7	51
85	Preferential Binding of 3,3'-Diethyloxadiazocyanine to Triplex DNA. <i>Journal of the American Chemical Society</i> , 2000, 122, 424-425.	13.7	51
86	An integrated molecular dynamics (MD) and experimental study of higher order human telomeric quadruplexes. <i>Biopolymers</i> , 2010, 93, 533-548.	2.4	50
87	Characterization of Preferred Deoxyribonuclease I Cleavage Sites. <i>Journal of Molecular Biology</i> , 1994, 236, 405-411.	4.2	49
88	Statistical analysis of plasma thermograms measured by differential scanning calorimetry. <i>Biophysical Chemistry</i> , 2010, 152, 184-190.	2.8	49
89	G-quadruplex Secondary Structure Obtained from Circular Dichroism Spectroscopy. <i>Angewandte Chemie</i> , 2018, 130, 7289-7293.	2.0	49
90	[26] Analysis of drug-DNA binding isotherms: A Monte Carlo approach. <i>Methods in Enzymology</i> , 1994, 240, 593-614.	1.0	48

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91	Clinical application of plasma thermograms. Utility, practical approaches and considerations. <i>Methods</i> , 2015, 76, 41-50.	3.8	48
92	Interrogation of the Plasma Proteome with Differential Scanning Calorimetry. <i>Clinical Chemistry</i> , 2007, 53, 2012-2014.	3.2	46
93	Analysis of Multidimensional G-Quadruplex Melting Curves. <i>Current Protocols in Nucleic Acid Chemistry</i> , 2011, 45, Unit17.4.	0.5	45
94	Contrasting Hydration Changes for Ethidium and Daunomycin Binding to DNA. <i>Journal of the American Chemical Society</i> , 1999, 121, 2649-2650.	13.7	44
95	Molecular Recognition of a RNA:DNA Hybrid Structure. <i>Journal of the American Chemical Society</i> , 2001, 123, 6742-6743.	13.7	44
96	Competition Dialysis: An Assay to Measure the Structural Selectivity of Drug-Nucleic Acid Interactions. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2005, 5, 339-352.	7.0	44
97	Competition dialysis: A method for the study of structural selective nucleic acid binding. <i>Methods</i> , 2007, 42, 173-182.	3.8	44
98	Calorimetric Analysis of the Plasma Proteome. <i>Seminars in Nephrology</i> , 2007, 27, 621-626.	1.6	44
99	A Thermodynamic Investigation of the Melting of B-Z Junction Forming DNA Oligomers. <i>Biochemistry</i> , 1994, 33, 1385-1391.	2.5	42
100	Determining the binding mode of DNA sequence specific compounds. <i>Process Biochemistry</i> , 2001, 37, 521-525.	3.7	42
101	Thermodynamic characterization of human telomere quadruplex unfolding. <i>Biopolymers</i> , 2013, 99, 1006-1018.	2.4	41
102	Daunomycin inhibits the B \rightarrow Z transition in poly d(G-C). <i>Nucleic Acids Research</i> , 1983, 11, 8485-8494.	14.5	40
103	Interaction of doxorubicin and its derivatives with DNA: Elucidation by resonance Raman and surface-enhanced resonance Raman spectroscopy. <i>Biospectroscopy</i> , 1997, 3, 307-316.	0.6	39
104	Calories from carbohydrates: energetic contribution of the carbohydrate moiety of rebeccamycin to DNA binding and the effect of its orientation on topoisomerase I inhibition. <i>Chemistry and Biology</i> , 1999, 6, 277-286.	6.0	39
105	Discovery of novel triple helical DNA intercalators by an integrated virtual and actual screening platform. <i>Nucleic Acids Research</i> , 2009, 37, 1280-1287.	14.5	39
106	Rapid screening of structurally selective ligand binding to nucleic acids. <i>Methods in Enzymology</i> , 2001, 340, 99-108.	1.0	37
107	Synthesis and Biological Evaluation of Bisindenoisoquinolines as Topoisomerase I Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2006, 49, 5129-5140.	6.4	37
108	Rational selection of small molecules that increase transcription through the GAA repeats found in Friedreich's ataxia. <i>FEBS Letters</i> , 2006, 580, 5399-5405.	2.8	37

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109	Sequence Dependence of the Free Energy of B-Z Junction Formation in Deoxyoligonucleotides. <i>Journal of Molecular Biology</i> , 1993, 231, 475-488.	4.2	36
110	Preferential binding of H1e histone to GC-rich DNA. <i>Biochemistry</i> , 1994, 33, 384-388.	2.5	35
111	Substitution at the F-Ring N-Imide of the Indolocarbazole Antitumor Drug NB-506 Increases the Cytotoxicity, DNA Binding, and Topoisomerase I Inhibition Activities. <i>Journal of Medicinal Chemistry</i> , 1999, 42, 2927-2935.	6.4	35
112	Linkage of cation binding and folding in human telomeric quadruplex DNA. <i>Biophysical Chemistry</i> , 2011, 159, 205-209.	2.8	35
113	Unraveling the Thermodynamics of the Folding and Interconversion of Human Telomere G-Quadruplexes. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 10340-10344.	13.8	35
114	Folding Landscape of a Parallel G-Quadruplex. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 1146-1151.	4.6	35
115	Anthracycline antibiotics. Interaction with DNA and nucleosomes and inhibition of DNA synthesis. <i>Biochemistry</i> , 1987, 26, 1996-2000.	2.5	34
116	Allostery: DNA Does It, Too. <i>ACS Chemical Biology</i> , 2008, 3, 207-209.	3.4	34
117	Polymorphism and resolution of oncogene promoter quadruplex-forming sequences. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 7633.	2.8	34
118	Inhibition of the thermally driven B to Z transition by intercalating drugs. <i>Biochemistry</i> , 1986, 25, 8436-8439.	2.5	33
119	Unusual binding of ethidium to a deoxyoligonucleotide containing a B-Z junction. <i>Biochemistry</i> , 1991, 30, 8722-8726.	2.5	33
120	Characterization of DNA Structures by Circular Dichroism. , 2002, Chapter 7, 7.11.1-7.11.8.		32
121	Design, Synthesis, and Evaluation of Novel Biarylpyrimidines: A New Class of Ligand for Unusual Nucleic Acid Structures. <i>Journal of Medicinal Chemistry</i> , 2006, 49, 5187-5198.	6.4	32
122	The solution structures of higher-order human telomere G-quadruplex multimers. <i>Nucleic Acids Research</i> , 2021, 49, 1749-1768.	14.5	32
123	Structural Selectivity of Drug-Nucleic Acid Interactions Probed by Competition Dialysis. <i>Topics in Current Chemistry</i> , 0, , 33-53.	4.0	31
124	2-Aminopurine as a Probe for Quadruplex Loop Structures. <i>Methods in Molecular Biology</i> , 2010, 608, 121-136.	0.9	31
125	NB-506, an indolocarbazole topoisomerase I inhibitor, binds preferentially to triplex DNA. <i>FEBS Letters</i> , 2000, 470, 355-359.	2.8	30
126	Human POT1 unfolds G-quadruplexes by conformational selection. <i>Nucleic Acids Research</i> , 2020, 48, 4976-4991.	14.5	30

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127	Exploiting anthracycline scaffold for designing DNA-targeting agents. <i>Methods in Enzymology</i> , 2001, 340, 529-555.	1.0	29
128	Sequence- and structural-selective nucleic acid binding revealed by the melting of mixtures. <i>Nucleic Acids Research</i> , 2006, 34, e14-e14.	14.5	29
129	A rapid fluorescent indicator displacement assay and principal component/cluster data analysis for determination of ligand–nucleic acid structural selectivity. <i>Nucleic Acids Research</i> , 2018, 46, e41-e41.	14.5	28
130	Thermodynamics of the B to Z transition in poly(dGdC). <i>Biopolymers</i> , 1988, 27, 1375-1387.	2.4	26
131	Insights from a New Analytical Electrophoresis Apparatus. <i>Journal of Pharmaceutical Sciences</i> , 1996, 85, 1331-1335.	3.3	25
132	Binding of Daunomycin to Diaminopurine- and/or Inosine-Substituted DNA,. <i>Biochemistry</i> , 1998, 37, 1033-1045.	2.5	25
133	Daunomycin Binding to Detergent Micelles: A Model System for Evaluating the Hydrophobic Contribution to Drug–DNA Interactions. <i>Journal of Physical Chemistry B</i> , 2007, 111, 11576-11584.	2.6	25
134	Molecular recognition of DNA by Daunorubicin. <i>Advances in DNA Sequence-Specific Agents</i> , 1996, 2, 141-167.	0.3	24
135	Hydration of Drug–DNA Complexes: Greater Water Uptake for Adriamycin Compared to Daunomycin. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 5909-5911.	6.4	24
136	Long promoter sequences form higher-order G-quadruplexes: an integrative structural biology study of c-Myc, k-Ras and c-Kit promoter sequences. <i>Nucleic Acids Research</i> , 2022, 50, 4127-4147.	14.5	23
137	An Investigation of G-Quadruplex Structural Polymorphism in the Human Telomere Using a Combined Approach of Hydrodynamic Bead Modeling and Molecular Dynamics Simulation. <i>Journal of Physical Chemistry B</i> , 2014, 118, 5390-5405.	2.6	22
138	Identification of G-quadruplex forming sequences in three manatee papillomaviruses. <i>PLoS ONE</i> , 2018, 13, e0195625.	2.5	22
139	Oxazine 170 Induces DNA:RNA:DNA Triplex Formation. <i>Journal of Medicinal Chemistry</i> , 2005, 48, 3471-3473.	6.4	21
140	A discovery funnel for nucleic acid binding drug candidates. <i>Drug Development Research</i> , 2011, 72, 178-186.	2.9	21
141	Equilibrium Unfolding of Bombyx mori Glycyl-tRNA Synthetase. <i>Journal of Biological Chemistry</i> , 2001, 276, 4028-4037.	3.4	20
142	Isothermal folding of G-quadruplexes. <i>Methods</i> , 2012, 57, 47-55.	3.8	20
143	Calorimetric analysis of the plasma proteome: Identification of type 1 diabetes patients with early renal function decline. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013, 1830, 4675-4680.	2.4	20
144	G-quadruplex structure and stability illuminated by 2-aminopurine phasor plots. <i>Nucleic Acids Research</i> , 2012, 40, 4203-4215.	14.5	19

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145	Conformational profiling of a G-rich sequence within the c-KIT promoter. <i>Nucleic Acids Research</i> , 2017, 45, 13056-13067.	14.5	19
146	Profusion of G-quadruplexes on both subunits of metazoan ribosomes. <i>PLoS ONE</i> , 2019, 14, e0226177.	2.5	19
147	Sedimentation Velocity Ultracentrifugation Analysis for Hydrodynamic Characterization of G-Quadruplex Structures. <i>Methods in Molecular Biology</i> , 2010, 608, 97-120.	0.9	19
148	Calculation of Hydrodynamic Properties for G-Quadruplex Nucleic Acid Structures from in silico Bead Models. <i>Topics in Current Chemistry</i> , 2012, 330, 179-210.	4.0	18
149	Structure and Stability of Z* DNA. <i>Journal of Biomolecular Structure and Dynamics</i> , 1988, 5, 1187-1207.	3.5	17
150	An octakis-intercalating molecule. <i>Bioorganic and Medicinal Chemistry</i> , 2001, 9, 1141-1148.	3.0	17
151	Hydrodynamic Models of G-Quadruplex Structures. <i>Methods in Enzymology</i> , 2015, 562, 287-304.	1.0	17
152	Formaldehyde-Induced Alkylation of a 2'-Aminoglucose Rebeccamycin Derivative to Both A-T and G-C Base Pairs in DNA. <i>Journal of Medicinal Chemistry</i> , 2000, 43, 4711-4720.	6.4	16
153	A Competition Dialysis Assay for the Study of Structure-Selective Ligand Binding to Nucleic Acids. , 2002, Chapter 8, 8.3.1-8.3.8.		16
154	Inhibition of the B to Z transition in poly(dGdC).poly(dGdC) by covalent attachment of ethidium: kinetic studies. <i>Biochemistry</i> , 1991, 30, 10931-10937.	2.5	15
155	Inhibition of the B to Z transition in poly(dGdC).poly(dGdC) by covalent attachment of ethidium: equilibrium studies. <i>Biochemistry</i> , 1991, 30, 10925-10931.	2.5	15
156	Chemical cross-linking of ethidium to DNA by glyoxal. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1998, 1442, 71-81.	2.4	14
157	Inside-Out PEGylation of Bovine β^2 -Cross-Linked Hemoglobin. <i>Artificial Organs</i> , 2017, 41, 351-358.	1.9	13
158	Drug Binding to DNA-RNA Hybrid Structures. <i>Methods in Molecular Biology</i> , 2010, 613, 55-70.	0.9	13
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