

# Stephen Neidle

## List of Publications by Year in descending order

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381  
papers

34,077  
citations

3159

92  
h-index

4432

172  
g-index

406  
all docs

406  
docs citations

406  
times ranked

15276  
citing authors

#	ARTICLE	IF	CITATIONS
1	Quadruplex DNA: sequence, topology and structure. <i>Nucleic Acids Research</i> , 2006, 34, 5402-5415.	14.5	2,049
2	Crystal structure of parallel quadruplexes from human telomeric DNA. <i>Nature</i> , 2002, 417, 876-880.	27.8	1,889
3	Targeting G-quadruplexes in gene promoters: a novel anticancer strategy?. <i>Nature Reviews Drug Discovery</i> , 2011, 10, 261-275.	46.4	1,447
4	Highly prevalent putative quadruplex sequence motifs in human DNA. <i>Nucleic Acids Research</i> , 2005, 33, 2901-2907.	14.5	872
5	Inhibition of Human Telomerase by a G-Quadruplex-Interactive Compound. <i>Journal of Medicinal Chemistry</i> , 1997, 40, 2113-2116.	6.4	763
6	Telomere maintenance as a target for anticancer drug discovery. <i>Nature Reviews Drug Discovery</i> , 2002, 1, 383-393.	46.4	577
7	A standard reference frame for the description of nucleic acid base-pair geometry 1 Edited by P. E. Wright 2 This is a document of the Nomenclature Committee of IUBMB (NC-IUBMB)/IUPAC-IUBMB Joint Commission on Biochemical Nomenclature (JCBN), whose members are R. Cammack (chairman), A. Bairoch, H.M. Berman, S. Boyce, C.R. Cantor, K. Elliott, D. Horton, M. Kanehisa, A. Kotyk, G.P. Moss, N. Sharon and K.F. Tipton. <i>Journal of Molecular Biology</i> , 2001, 313, 229-237.	4.2	533
8	G-quadruplex nucleic acids as therapeutic targets. <i>Current Opinion in Chemical Biology</i> , 2009, 13, 345-353.	6.1	532
9	Putative DNA Quadruplex Formation within the Human c-kit Oncogene. <i>Journal of the American Chemical Society</i> , 2005, 127, 10584-10589.	13.7	526
10	The G-Quadruplex-Interactive Molecule BRACO-19 Inhibits Tumor Growth, Consistent with Telomere Targeting and Interference with Telomerase Function. <i>Cancer Research</i> , 2005, 65, 1489-1496.	0.9	517
11	Human telomeric G-quadruplex: The current status of telomeric G-quadruplexes as therapeutic targets in human cancer. <i>FEBS Journal</i> , 2010, 277, 1118-1125.	4.7	481
12	Quadruplex Nucleic Acids as Novel Therapeutic Targets. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 5987-6011.	6.4	481
13	Structure-based design of selective and potent G quadruplex-mediated telomerase inhibitors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 4844-4849.	7.1	455
14	DNA minor-groove recognition by small molecules (up to 2000). <i>Natural Product Reports</i> , 2001, 18, 291-309.	10.3	455
15	Loop-Length-Dependent Folding of G-Quadruplexes. <i>Journal of the American Chemical Society</i> , 2004, 126, 16405-16415.	13.7	428
16	The structure of telomeric DNA. <i>Current Opinion in Structural Biology</i> , 2003, 13, 275-283.	5.7	420
17	Structure of an Unprecedented G-Quadruplex Scaffold in the Human c-kit Promoter. <i>Journal of the American Chemical Society</i> , 2007, 129, 4386-4392.	13.7	418
18	The structures of quadruplex nucleic acids and their drug complexes. <i>Current Opinion in Structural Biology</i> , 2009, 19, 239-250.	5.7	407

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19	A Conserved Quadruplex Motif Located in a Transcription Activation Site of the Human c-kit Oncogene. <i>Biochemistry</i> , 2006, 45, 7854-7860.	2.5	370
20	Quadruplex nucleic acids as targets for anticancer therapeutics. <i>Nature Reviews Chemistry</i> , 2017, 1, .	30.2	357
21	Crystal Structure of the Potassium Form of an <i>Oxytricha nova</i> G-quadruplex. <i>Journal of Molecular Biology</i> , 2002, 320, 189-200.	4.2	317
22	Stabilization of G-Quadruplex DNA and Inhibition of Telomerase Activity by Square-Planar Nickel(II) Complexes. <i>Journal of the American Chemical Society</i> , 2006, 128, 5992-5993.	13.7	314
23	Structural Basis for Binding of Porphyrin to Human Telomeres,. <i>Biochemistry</i> , 2007, 46, 2390-2397.	2.5	303
24	Structural Basis of DNA Quadruplex Recognition by an Acridine Drug. <i>Journal of the American Chemical Society</i> , 2008, 130, 6722-6724.	13.7	295
25	A G-Quadruplex-Interactive Potent Small-Molecule Inhibitor of Telomerase Exhibiting in Vitro and in Vivo Antitumor Activity. <i>Molecular Pharmacology</i> , 2002, 61, 1154-1162.	2.3	280
26	Structure of a G-quadruplexâ€“Ligand Complex. <i>Journal of Molecular Biology</i> , 2003, 326, 117-125.	4.2	258
27	A New Class of Symmetric Bisbenzimidazole-Based DNA Minor Groove-Binding Agents Showing Antitumor Activity. <i>Journal of Medicinal Chemistry</i> , 2001, 44, 138-144.	6.4	234
28	A crystallographic and modelling study of a human telomeric RNA (TERRA) quadruplex. <i>Nucleic Acids Research</i> , 2010, 38, 5569-5580.	14.5	213
29	Structural Basis for Telomeric G-Quadruplex Targeting by Naphthalene Diimide Ligands. <i>Journal of the American Chemical Society</i> , 2012, 134, 2723-2731.	13.7	213
30	2,7-Disubstituted Amidofluorenone Derivatives as Inhibitors of Human Telomerase. <i>Journal of Medicinal Chemistry</i> , 1999, 42, 2679-2684.	6.4	212
31	Structure of the First Parallel DNA Quadruplex-Drug Complex. <i>Journal of the American Chemical Society</i> , 2003, 125, 4066-4067.	13.7	212
32	Stabilization of G-Quadruplex DNA by Highly Selective Ligands via Click Chemistry. <i>Journal of the American Chemical Society</i> , 2006, 128, 15972-15973.	13.7	212
33	Chemical approaches to the discovery and development of cancer therapies. <i>Nature Reviews Cancer</i> , 2005, 5, 285-296.	28.4	205
34	Natural and synthetic G-quadruplex interactive berberine derivatives. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006, 16, 1707-1711.	2.2	202
35	Conformations of the sugar-phosphate backbone in helical DNA crystal structures. , 1997, 42, 113-124.		198
36	Molecular Basis of Structureâ€“Activity Relationships between Salphen Metal Complexes and Human Telomeric DNA Quadruplexes. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 209-222.	6.4	196

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37	A G-Rich Sequence within the <i>c-kit</i> Oncogene Promoter Forms a Parallel G-Quadruplex Having Asymmetric G-Tetrad Dynamics. <i>Journal of the American Chemical Society</i> , 2009, 131, 13399-13409.	13.7	195
38	"...the tyranny of the lattice..." .. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 3579-3583.	7.1	194
39	Trisubstituted Acridines as G-quadruplex Telomere Targeting Agents. Effects of Extensions of the 3,6- and 9-Side Chains on Quadruplex Binding, Telomerase Activity, and Cell Proliferation. <i>Journal of Medicinal Chemistry</i> , 2006, 49, 582-599.	6.4	192
40	Molecular Dynamics and Principal Components Analysis of Human Telomeric Quadruplex Multimers. <i>Biophysical Journal</i> , 2008, 95, 296-311.	0.5	189
41	G-quadruplexes: Emerging roles in neurodegenerative diseases and the non-coding transcriptome. <i>FEBS Letters</i> , 2015, 589, 1653-1668.	2.8	185
42	Structure-specific recognition of quadruplex DNA by organic cations: Influence of shape, substituents and charge. <i>Biophysical Chemistry</i> , 2007, 126, 140-153.	2.8	182
43	G-quadruplex-binding small molecules ameliorate <i>C9orf72</i> FTD / ALS pathology <i>in vitro</i> and <i>in vivo</i> . <i>EMBO Molecular Medicine</i> , 2018, 10, 22-31.	6.9	178
44	Crystal structure of a pentamidine-oligonucleotide complex: implications for DNA-binding properties. <i>Biochemistry</i> , 1992, 31, 7104-7109.	2.5	177
45	Trisubstituted Acridine Derivatives as Potent and Selective Telomerase Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2003, 46, 4463-4476.	6.4	173
46	Human Telomerase Inhibition by Regioisomeric Disubstituted Amidoanthracene-9,10-diones. <i>Journal of Medicinal Chemistry</i> , 1998, 41, 4873-4884.	6.4	167
47	Topology Conservation and Loop Flexibility in Quadruplex "Drug Recognition: Crystal Structures of Inter- and Intramolecular Telomeric DNA Quadruplex "Drug Complexes. <i>Journal of Molecular Biology</i> , 2008, 381, 1145-1156.	4.2	165
48	Small-molecule quadruplex-targeted drug discovery. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 2602-2612.	2.2	165
49	Human telomerase inhibition by substituted acridine derivatives. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1999, 9, 2463-2468.	2.2	164
50	Structure-Based Design and Evaluation of Naphthalene Diimide G-Quadruplex Ligands As Telomere Targeting Agents in Pancreatic Cancer Cells. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 2959-2974.	6.4	163
51	Structural and Sequence-Dependent Aspects of Drug Intercalation Into Nucleic Acid. <i>Critical Reviews in Biochemistry</i> , 1984, 17, 73-121.	7.5	162
52	1,4- and 2,6-Disubstituted Amidoanthracene-9,10-dione Derivatives as Inhibitors of Human Telomerase. <i>Journal of Medicinal Chemistry</i> , 1998, 41, 3253-3260.	6.4	162
53	Rational design of a highly efficient irreversible DNA interstrand cross-linking agent based on the pyrrolobenzodiazepine ring system. <i>Journal of the American Chemical Society</i> , 1992, 114, 4939-4941.	13.7	147
54	Quadruplex DNA crystal structures and drug design. <i>Biochimie</i> , 2008, 90, 1184-1196.	2.6	147

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55	The structure of drug-deoxydinucleoside phosphate complex; generalized conformational behavior of intercalation complexes with RNA and DNA fragments. <i>Nucleic Acids Research</i> , 1980, 8, 85-98.	14.5	146
56	Shedding Light on the Interaction between TMPyP4 and Human Telomeric Quadruplexes. <i>Journal of Physical Chemistry B</i> , 2009, 113, 14779-14786.	2.6	145
57	Molecular Modeling Studies on G-Quadruplex Complexes of Telomerase Inhibitors: A Structure-Activity Relationships. <i>Journal of Medicinal Chemistry</i> , 1999, 42, 4538-4546.	6.4	144
58	Molecular structure of the B-DNA dodecamer d(CGCAAATTTGCG) <sub>2</sub> An examination of propeller twist and minor-groove water structure at 2.2 Å resolution. <i>Journal of Molecular Biology</i> , 1992, 226, 1161-1173.	4.2	137
59	Synthesis and biophysical studies of short oligodeoxynucleotides with novel modifications: a possible approach to the problem of mixed base oligodeoxynucleotide synthesis. <i>Nucleic Acids Research</i> , 1984, 12, 7435-7453.	14.5	135
60	Highly structured water network in crystals of a deoxydinucleoside-drug complex. <i>Nature</i> , 1980, 288, 129-133.	27.8	134
61	Sequence occurrence and structural uniqueness of a G-quadruplex in the human c-kit promoter. <i>Nucleic Acids Research</i> , 2007, 35, 5799-5808.	14.5	132
62	A thermodynamic and structural analysis of DNA minor-groove complex formation 1 Edited by I. Tinoco. <i>Journal of Molecular Biology</i> , 2000, 300, 321-337.	4.2	130
63	Tri- and tetra-substituted naphthalene diimides as potent G-quadruplex ligands. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008, 18, 1668-1673.	2.2	128
64	Mechanism of acridine-based telomerase inhibition and telomere shortening. <i>Biochemical Pharmacology</i> , 2007, 74, 679-689.	4.4	126
65	Effects of Metal Coordination Geometry on Stabilization of Human Telomeric Quadruplex DNA by Square-Planar and Square-Pyramidal Metal Complexes. <i>Inorganic Chemistry</i> , 2008, 47, 11910-11919.	4.0	126
66	Targeting Human Gastrointestinal Stromal Tumor Cells with a Quadruplex-Binding Small Molecule. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 3774-3783.	6.4	126
67	Structural Basis of Telomeric RNA Quadruplex-Acridine Ligand Recognition. <i>Journal of the American Chemical Society</i> , 2011, 133, 2721-2728.	13.7	125
68	Electrospray Mass Spectrometry of Telomeric RNA (TERRA) Reveals the Formation of Stable Multimeric G-Quadruplex Structures. <i>Journal of the American Chemical Society</i> , 2010, 132, 9328-9334.	13.7	124
69	A structural analysis of G-quadruplex/ligand interactions. <i>Biochimie</i> , 2011, 93, 1239-1251.	2.6	123
70	Structure of a dinucleoside phosphate-drug complex as model for nucleic acid-drug interaction. <i>Nature</i> , 1977, 269, 304-307.	27.8	121
71	The structure of the antitumor complex cis-(diammino) (1,1-cyclobutanedicarboxylato)-Pt(II): X ray and nmr studies. <i>Journal of Inorganic Biochemistry</i> , 1980, 13, 205-212.	3.5	121
72	Crystal Structure of FMN-Dependent Nitroreductase from <i>Escherichia coli</i> B: A Prodrug-Activating Enzyme. <i>Journal of Medicinal Chemistry</i> , 2000, 43, 3624-3631.	6.4	119

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73	A Role for Water Molecules in DNA-Ligand Minor Groove Recognition. <i>Accounts of Chemical Research</i> , 2009, 42, 11-21.	15.6	119
74	3 The Molecular Basis for the Action of Some DNA-Binding Drugs. <i>Progress in Medicinal Chemistry</i> , 1979, 16, 151-221.	10.4	117
75	The structure of a pseudo intercalated complex between actinomycin and the DNA binding sequence d(GpC). <i>Nature</i> , 1982, 296, 466-469.	27.8	117
76	Crystal structure of a c-kit promoter quadruplex reveals the structural role of metal ions and water molecules in maintaining loop conformation. <i>Nucleic Acids Research</i> , 2012, 40, 4691-4700.	14.5	117
77	Selectivity in Ligand Recognition of G-Quadruplex Loops. <i>Biochemistry</i> , 2009, 48, 1675-1680.	2.5	114
78	Targeting Multiple Effector Pathways in Pancreatic Ductal Adenocarcinoma with a G-Quadruplex-Binding Small Molecule. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 2500-2517.	6.4	114
79	Sequence-dependent effects in drug-DNA interaction: the crystal structure of Hoechst 33258 bound to the d(CGCAAATTTGCC)2duplex. <i>Nucleic Acids Research</i> , 1994, 22, 1607-1612.	14.5	113
80	A G-quadruplex telomere targeting agent produces p16-associated senescence and chromosomal fusions in human prostate cancer cells. <i>Molecular Cancer Therapeutics</i> , 2004, 3, 1201-6.	4.1	112
81	A novel inhibitor of human telomerase derived from 10H-indolo[3,2-b]quinoline. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2000, 10, 2063-2066.	2.2	111
82	Synthesis of Sequence-Selective C8-Linked Pyrrolo[2,1-c][1,4]benzodiazepine DNA Interstrand Cross-Linking Agents. <i>Journal of Organic Chemistry</i> , 1996, 61, 8141-8147.	3.2	108
83	Studies on the Nitroreductase Prodrug-Activating System. Crystal Structures of Complexes with the Inhibitor Dicoumarol and Dinitrobenzamide Prodrugs and of the Enzyme Active Form. <i>Journal of Medicinal Chemistry</i> , 2003, 46, 4009-4020.	6.4	107
84	The Design of G-quadruplex Ligands as Telomerase Inhibitors. <i>Mini-Reviews in Medicinal Chemistry</i> , 2003, 3, 11-21.	2.4	107
85	Synthesis and evaluation of analogues of 10H-indolo[3,2-b]quinoline as G-quadruplex stabilising ligands and potential inhibitors of the enzyme telomerase. <i>Organic and Biomolecular Chemistry</i> , 2004, 2, 981.	2.8	106
86	Crystal structure of a berenil-dodecanucleotide complex: the role of water in sequence-specific ligand binding. <i>EMBO Journal</i> , 1990, 9, 1329-1334.	7.8	105
87	Crystal structure of a berenil-d(CGCAAATTTGCC) complex. <i>Journal of Molecular Biology</i> , 1992, 226, 481-490.	4.2	103
88	Bioactive Pyridine-N-oxide Disulfides from <i>Allium stipitatum</i> . <i>Journal of Natural Products</i> , 2009, 72, 360-365.	3.0	103
89	TRAP-LIG, a modified telomere repeat amplification protocol assay to quantitate telomerase inhibition by small molecules. <i>Analytical Biochemistry</i> , 2008, 380, 99-105.	2.4	101
90	Structural Characterization of a Guanine-Quadruplex Ligand Complex. <i>Biochemistry</i> , 2000, 39, 13422-13432.	2.5	100

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91	Comparative computer graphics and solution studies of the DNA interaction of substituted anthraquinones based on doxorubicin and mitoxantrone. <i>Journal of Medicinal Chemistry</i> , 1985, 28, 857-864.	6.4	98
92	Rational Design of Acridine-Based Ligands with Selectivity for Human Telomeric Quadruplexes. <i>Journal of the American Chemical Society</i> , 2010, 132, 12263-12272.	13.7	98
93	A G-quadruplex-binding compound showing anti-tumour activity in an in vivo model for pancreatic cancer. <i>Scientific Reports</i> , 2015, 5, 11385.	3.3	95
94	Crystal structure of an oligonucleotide duplex containing G.G base pairs: influence of mispairing on DNA backbone conformation.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1993, 90, 804-808.	7.1	93
95	Tetrasubstituted naphthalene diimide ligands with selectivity for telomeric G-quadruplexes and cancer cells. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 6459-6463.	2.2	93
96	Targeting the Minor Groove of DNA: Crystal Structures of Two Complexes between Furan Derivatives of Berenil and the DNA Dodecamer d(CGCGAATTCGCG) <sub>2</sub> . <i>Journal of Medicinal Chemistry</i> , 1996, 39, 4554-4562.	6.4	92
97	A molecular model for the enzyme cytochrome P45017 $\alpha$ , a major target for the chemotherapy of prostatic cancer. <i>Biochemical and Biophysical Research Communications</i> , 1990, 171, 1160-1167.	2.1	91
98	A detailed molecular model for human aromatase. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 1993, 44, 399-407.	2.5	90
99	Defining the Mechanism of Action and Enzymatic Selectivity of Psammaplin A against Its Epigenetic Targets. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 1731-1750.	6.4	89
100	Folding of guanine quadruplex molecules—funnel-like mechanism or kinetic partitioning? An overview from MD simulation studies. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 1246-1263.	2.4	89
101	Non-random usage of “degenerate” codons is related to protein three-dimensional structure. <i>FEBS Letters</i> , 1996, 399, 78-82.	2.8	88
102	Characterization of a Novel DNA Minor-Groove Complex. <i>Biophysical Journal</i> , 2004, 86, 1028-1041.	0.5	88
103	Crystal and molecular structure of three isomers of dichlorodiamminedihydroxoplatinum(IV): cis-trans isomerization on recrystallization from water. <i>Inorganic Chemistry</i> , 1983, 22, 3620-3624.	4.0	87
104	Structure of a Covalent DNA Minor Groove Adduct with a Pyrrolobenzodiazepine Dimer: Evidence for Sequence-Specific Interstrand Crosslinking. <i>Journal of Medicinal Chemistry</i> , 1994, 37, 4529-4537.	6.4	87
105	Analysis of van der Waals and Electrostatic Contributions in the Interactions of Minor Groove Binding Benzimidazoles with DNA. <i>Journal of the American Chemical Society</i> , 1995, 117, 4716-4717.	13.7	84
106	Anthracene-9,10-diones as potential anticancer agents. Synthesis, DNA-binding, and biological studies on a series of 2,6-disubstituted derivatives. <i>Journal of Medicinal Chemistry</i> , 1992, 35, 1418-1429.	6.4	83
107	Thiophene-Based Diamidine Forms a “Super”AT Binding Minor Groove Agent. <i>Journal of the American Chemical Society</i> , 2004, 126, 13659-13669.	13.7	82
108	A molecular anchor for stabilizing triple-helical DNA.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995, 92, 7887-7891.	7.1	75

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109	Detection and kinetic studies of triplex formation by oligodeoxynucleotides using real-time biomolecular interaction analysis (BIA). <i>Nucleic Acids Research</i> , 1995, 23, 3627-3632.	14.5	75
110	Evaluation of by disubstituted acridone derivatives as telomerase inhibitors: the importance of G-quadruplex binding. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2004, 14, 5845-5849.	2.2	74
111	KRAS oncogene repression in colon cancer cell lines by G-quadruplex binding indolo[3,2-c]quinolines. <i>Scientific Reports</i> , 2015, 5, 9696.	3.3	74
112	Strong Binding in the DNA Minor Groove by an Aromatic Diamidine with a Shape That Does Not Match the Curvature of the Groove. <i>Journal of the American Chemical Society</i> , 2002, 124, 13680-13681.	13.7	71
113	Crystal structure and sequence-dependent conformation of the A.G mispaired oligonucleotide d(CGCAAGCTGGCG).. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1990, 87, 6693-6697.	7.1	70
114	Conformational dynamics of the human propeller telomeric DNA quadruplex on a microsecond time scale. <i>Nucleic Acids Research</i> , 2013, 41, 2723-2735.	14.5	70
115	Sequence-Dependent Drug Binding to the Minor Groove of DNA: Crystal Structure of the DNA Dodecamer d(CGCAATTTGCG) <sub>2</sub> Complexed with Propamide. <i>Journal of Medicinal Chemistry</i> , 1995, 38, 2317-2325.	6.4	68
116	A DNA-porphyrin minor-groove complex at atomic resolution: The structural consequences of porphyrin ruffling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 9476-9481.	7.1	68
117	Protein and drug interactions in the minor groove of DNA. <i>Nucleic Acids Research</i> , 2002, 30, 1182-1191.	14.5	68
118	Small-molecule Binding to the DNA Minor Groove Is Mediated by a Conserved Water Cluster. <i>Journal of the American Chemical Society</i> , 2013, 135, 1369-1377.	13.7	68
119	Molecular and crystal structure of an intercalation complex: Proflavine-cytidylyl-(3',5')-guanosine. <i>Biopolymers</i> , 1979, 18, 2405-2429.	2.4	67
120	Observation of the Coexistence of Sodium and Calcium Ions in a DNA G-Quadruplex Ion Channel. <i>Journal of the American Chemical Society</i> , 2007, 129, 10106-10107.	13.7	67
121	Targeting the c-Kit Promoter G-quadruplexes with 6-Substituted Indenoisoquinolines. <i>ACS Medicinal Chemistry Letters</i> , 2010, 1, 306-310.	2.8	67
122	The relationship of potential G-quadruplex sequences in cis-upstream regions of the human genome to SP1-binding elements. <i>Nucleic Acids Research</i> , 2008, 36, 2700-2704.	14.5	66
123	Drug-nucleic acid interactions: conformational flexibility at the intercalation site.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1978, 75, 828-832.	7.1	65
124	Structure of the oligonucleotide d(CGTATATACG) as a site-specific complex with nickel ions. <i>Nucleic Acids Research</i> , 1999, 27, 1593-1599.	14.5	65
125	Structure-based design of benzylamino-acridine compounds as G-quadruplex DNA telomere targeting agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 2293-2298.	2.2	65
126	Fluorine in medicinal chemistry: <sup>19</sup> F-fluorination of peripheral pyrrolidines attached to acridine ligands affects their interactions with G-quadruplex DNA. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 1328.	2.8	65

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127	Synthesis, biophysical and biological evaluation of 3,6-bis-amidoacridines with extended 9-anilino substituents as potent G-quadruplex-binding telomerase inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2004, 14, 4347-4351.	2.2	64
128	NMR and molecular modeling studies of the interaction of berenil and pentamidine with d(CGCAAATTTGCG)2. <i>FEBS Journal</i> , 1993, 213, 1175-1184.	0.2	63
129	Flexibility and structural conservation in a c-KIT G-quadruplex. <i>Nucleic Acids Research</i> , 2015, 43, 629-644.	14.5	63
130	Predictive modelling of topology and loop variations in dimeric DNA quadruplex structures. <i>Nucleic Acids Research</i> , 2006, 34, 2117-2127.	14.5	62
131	A new plant-derived antibacterial is an inhibitor of efflux pumps in <i>Staphylococcus aureus</i> . <i>International Journal of Antimicrobial Agents</i> , 2013, 42, 513-518.	2.5	62
132	Topology Variation and Loop Structural Homology in Crystal and Simulated Structures of a Bimolecular DNA Quadruplex. <i>Journal of the American Chemical Society</i> , 2006, 128, 5480-5487.	13.7	61
133	Rational Design of Substituted Diarylureas: A Scaffold for Binding to G-Quadruplex Motifs. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 7751-7767.	6.4	61
134	Recognition and discrimination of DNA quadruplexes by acridine-peptide conjugates. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 76-84.	2.8	60
135	Water-Mediated Binding of Agents that Target the DNA Minor Groove. <i>Journal of the American Chemical Society</i> , 2011, 133, 10171-10183.	13.7	60
136	Observation of unphosphorylated STAT3 core protein binding to target DNA by PEMSA and X-ray crystallography. <i>FEBS Letters</i> , 2013, 587, 833-839.	2.8	60
137	Molecular modelling of the interactions of tetra-(4-N-methylpyridyl) porphyrin with TA and CG sites on DNA. <i>Nucleic Acids Research</i> , 1987, 15, 6553-6562.	14.5	59
138	Synthesis, molecular modeling, DNA binding, and antitumor properties of some substituted amidoanthraquinones. <i>Journal of Medicinal Chemistry</i> , 1988, 31, 847-857.	6.4	59
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