Stephen Neidle

List of Publications by Year
in descending order

		3159	4432
381	34,077	92	172
papers	citations	h-index	g-index

406	406	406	15276
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Non-standard and higher-order DNA structures: DNAâ€“DNA recognition. , 2022, , 109-190.		1
2	Principles of small moleculeâ€“DNA recognition. , 2022, , 191-286.		1
3	Structured Waters Mediate Small Molecule Binding to G-Quadruplex Nucleic Acids. Pharmaceuticals, 2022, 15, 7.	3.8	19
4	The mechanism of resistance in Escherichia coli to ridinilazole and other antibacterial head-to-head bis-benzimidazole compounds. Medicinal Chemistry Research, 2022, 31, 1176-1191.	2.4	1
5	Beyond the double helix: DNA structural diversity and the PDB. Journal of Biological Chemistry, 2021, 296, 100553.	3.4	25
6	Targeting the ALS/FTD-associated A-DNA kink with anthracene-based metal complex causes DNA backbone straightening and groove contraction. Nucleic Acids Research, 2021, 49, 9526-9538.	14.5	5
7	Water spines and networks in G-quadruplex structures. Nucleic Acids Research, 2021, 49, 519-528.	14.5	27
8	Asymmetrically Substituted Quadruplex-Binding Naphthalene Diimide Showing Potent Activity in Pancreatic Cancer Models. ACS Medicinal Chemistry Letters, 2020, 11, 1634-1644.	2.8	26
9	Challenges in developing small-molecule quadruplex therapeutics. Annual Reports in Medicinal Chemistry, 2020, , 517-546.	0.9	4
10	A G-Quadruplex-Binding Small Molecule and the HDAC Inhibitor SAHA (Vorinostat) Act Synergistically in Gemcitabine-Sensitive and Resistant Pancreatic Cancer Cells. Molecules, 2020, 25, 5407.	3.8	7
11	A G-quadruplex-binding compound shows potent activity in human gemcitabine-resistant pancreatic cancer cells. Scientific Reports, 2020, 10, 12192.	3.3	18
12	Substituted Naphthalenediimide Compounds Bind Selectively to Two Human Quadruplex Structures with Parallel Topology. ACS Medicinal Chemistry Letters, 2020, 11, 991-999.	2.8	16
13	Comment on â€œDark Nudges and Sludge in Big Alcohol: Behavioral Economics, Cognitive Biases, and Alcohol Industry Corporate Social Responsibilityâ€. Milbank Quarterly, 2020, 98, E1-E4.	4.4	2
14	Hierarchical Nanotube Selfâ€Assembly of DNA Minor Grooveâ€Binding Ligand DB921 via Alkali Halide Triggering. Macromolecular Symposia, 2019, 386, 1800243.	0.7	0
15	Polymorphic G:G mismatches act as hotspots for inducing right-handed Z DNA by DNA intercalation. Nucleic Acids Research, 2019, 47, 8899-8912.	14.5	16
16	Combining 1,3â€Ditriazolylbenzene and Quinoline to Discover a New Gâ€Quadruplexâ€Interactive Small Molecule Active against Cancer Stemâ€Like Cells. ChemMedChem, 2019, 14, 1325-1328.	3.2	13
17	The Targeting of Quadruplex Nucleic Acids in Human Cancers. Proceedings (mdpi), 2019, 22, .	0.2	0
18	Dynamic self-assembly of DNA minor groove-binding ligand DB921 into nanotubes triggered by an alkali halide. Nanoscale, 2018, 10, 5550-5558.	5.6	6

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19	Accuracy of alcohol and breast cancer risk information on Drinkawareâ€™s website. Drug and Alcohol Review, 2018, 37, 304-306.	2.1	4
20	Targeting Multiple Effector Pathways in Pancreatic Ductal Adenocarcinoma with a G-Quadruplex-Binding Small Molecule. Journal of Medicinal Chemistry, 2018, 61, 2500-2517.	6.4	114
21	A naphthalene diimide G-quadruplex ligand inhibits cell growth and down-regulates BCL-2 expression in an imatinib-resistant gastrointestinal cancer cell line. Bioorganic and Medicinal Chemistry, 2018, 26, 2958-2964.	3.0	23
22	Gâ€quadruplexâ€binding small molecules ameliorate C9orf72 <scp>FTD</scp> / <scp>ALS</scp> pathology inÂvitro and inÂvivo. EMBO Molecular Medicine, 2018, 10, 22-31.	6.9	178
23	Quadruplex nucleic acids as targets for anticancer therapeutics. Nature Reviews Chemistry, 2017, 1, .	30.2	357
24	Exploring the Dynamics of Propeller Loops in Human Telomeric DNA Quadruplexes Using Atomistic Simulations. Journal of Chemical Theory and Computation, 2017, 13, 2458-2480.	5.3	39
25	Inducedâ€Fit Recognition of CCG Trinucleotide Repeats by a Nickelâ€“Chromomycin Complex Resulting in Largeâ€Scale DNA Deformation. Angewandte Chemie - International Edition, 2017, 56, 8761-8765.	13.8	30
26	Folding of guanine quadruplex moleculesâ€“funnel-like mechanism or kinetic partitioning? An overview from MD simulation studies. Biochimica Et Biophysica Acta - General Subjects, 2017, 1861, 1246-1263.	2.4	89
27	Inducedâ€Fit Recognition of CCG Trinucleotide Repeats by a Nickelâ€“Chromomycin Complex Resulting in Largeâ€Scale DNA Deformation. Angewandte Chemie, 2017, 129, 8887-8891.	2.0	0
28	Targeting Promoter Quadruplex Nucleic Acids for Cancer Therapy. , 2017, , 308-340.		3
29	Toward the Development of Specific G-Quadruplex Binders: Synthesis, Biophysical, and Biological Studies of New Hydrazone Derivatives. Journal of Medicinal Chemistry, 2016, 59, 5706-5720.	6.4	51
30	Preface. Bioorganic and Medicinal Chemistry, 2016, 24, 4767.	3.0	0
31	Molecular mechanisms and therapeutic strategies in amyotrophic lateral sclerosis caused by C9orf72 mutations. Lancet, The, 2016, 387, S13.	13.7	0
32	Quadruplex Nucleic Acids as Novel Therapeutic Targets. Journal of Medicinal Chemistry, 2016, 59, 5987-6011.	6.4	481
33	Can We Execute Reliable MM-PBSA Free Energy Computations of Relative Stabilities of Different Guanine Quadruplex Folds?. Journal of Physical Chemistry B, 2016, 120, 2899-2912.	2.6	32
34	Structural Insights into the Quadruplexâ€“Duplex 3â€² Interface Formed from a Telomeric Repeat: A Potential Molecular Target. Journal of the American Chemical Society, 2016, 138, 1226-1233.	13.7	56
35	A Personal History of Quadruplexâ€“Small Molecule Targeting. Chemical Record, 2015, 15, 691-710.	5.8	11
36	Flexibility and structural conservation in a c-KIT G-quadruplex. Nucleic Acids Research, 2015, 43, 629-644.	14.5	63

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37	Loop flexibility in human telomeric quadruplex small-molecule complexes. Nucleic Acids Research, 2015, 43, 4785-4799.	14.5	42
38	The discovery of a novel antibiotic for the treatment of Clostridium difficile infections: a story of an effective academicâ€“industrial partnership. MedChemComm, 2015, 6, 1420-1426.	3.4	22
39	A G-quadruplex-binding compound showing anti-tumour activity in an in vivo model for pancreatic cancer. Scientific Reports, 2015, 5, 11385.	3.3	95
40	Synthesis and biological evaluation of hybrid acridine-HSP90 ligand conjugates as telomerase inhibitors. Organic and Biomolecular Chemistry, 2015, 13, 8500-8504.	2.8	12
41	Atomic Force Microscopy and Voltammetric Investigation of Quadruplex Formation between a Triazole-Acridine Conjugate and Guanine-Containing Repeat DNA Sequences. Analytical Chemistry, 2015, 87, 6141-6149.	6.5	15
42	KRAS oncogene repression in colon cancer cell lines by G-quadruplex binding indolo[3,2-c]quinolines. Scientific Reports, 2015, 5, 9696.	3.3	74
43	Gâ€quadruplexes: Emerging roles in neurodegenerative diseases and the nonâ€coding transcriptome. FEBS Letters, 2015, 589, 1653-1668.	2.8	185
44	Macrocyclic naphthalene diimides as G-quadruplex binders. Bioorganic and Medicinal Chemistry, 2015, 23, 3819-3830.	3.0	34
45	Indolo[3,2â€c]quinoline Gâ€Quadruplex Stabilizers: a Structural Analysis of Binding to the Human Telomeric Gâ€Quadruplex. ChemMedChem, 2015, 10, 836-849.	3.2	24
46	Extended molecular dynamics of ac-kitpromoter quadruplex. Nucleic Acids Research, 2015, 43, 8673-8693.	14.5	49
47	Triazole-linked phenyl derivatives: Redox mechanisms and in situ electrochemical evaluation of interaction with dsDNA. Bioelectrochemistry, 2015, 101, 97-105.	4.6	2
48	Targeting KRAS Oncogene in Colon Cancer Cells with 7-Carboxylate Indolo[3,2-b]quinoline Tri-Alkylamine Derivatives. PLoS ONE, 2015, 10, e0126891.	2.5	41
49	Structureâ€Dependent Binding of Arylimidamides to the DNA Minor Groove. ChemBioChem, 2014, 15, 68-79.	2.6	20
50	Discovery of new G-quadruplex binding chemotypes. Chemical Communications, 2014, 50, 960-963.	4.1	24
51	Small-molecule quadruplex-targeted drug discovery. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 2602-2612.	2.2	165
52	Targeting a c-MYC G-quadruplex DNA with a fragment library. Chemical Communications, 2014, 50, 1704-1707.	4.1	49
53	Preface. Bioorganic and Medicinal Chemistry, 2014, 22, 4355.	3.0	0
54	Structural Basis for the Identification of an iâ€Motif Tetraplex Core with a Parallelâ€Duplex Junction as a Structural Motif in CCG Triplet Repeats. Angewandte Chemie - International Edition, 2014, 53, 10682-10686.	13.8	30

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55	Small-molecule G-quadruplex interactions: Systematic exploration of conformational space using multiple molecular dynamics. Biopolymers, 2013, 99, n/a-n/a.	2.4	29
56	Structure-Based Design and Evaluation of Naphthalene Diimide G-Quadruplex Ligands As Telomere Targeting Agents in Pancreatic Cancer Cells. Journal of Medicinal Chemistry, 2013, 56, 2959-2974.	6.4	163
57	Synthesis, Gâ€Quadruplex Stabilisation, Docking Studies, and Effect on Cancer Cells of Indolo[3,2â€b]quinolines with One, Two, or Three Basic Side Chains. ChemMedChem, 2013, 8, 1648-1661.	3.2	39
58	The influence of positional isomerism on G-quadruplex binding and anti-proliferative activity of tetra-substituted naphthalene diimide compounds. Bioorganic and Medicinal Chemistry, 2013, 21, 6162-6170.	3.0	17
59	A new plant-derived antibacterial is an inhibitor of efflux pumps in Staphylococcus aureus. International Journal of Antimicrobial Agents, 2013, 42, 513-518.	2.5	62
60	Antibacterial activity of head-to-head bis-benzimidazoles. International Journal of Antimicrobial Agents, 2013, 42, 361-366.	2.5	27
61	Mechanism of the Antiproliferative Activity of Some Naphthalene Diimide G-Quadruplex Ligands. Molecular Pharmacology, 2013, 83, 470-480.	2.3	29
62	Small-molecule Binding to the DNA Minor Groove Is Mediated by a Conserved Water Cluster. Journal of the American Chemical Society, 2013, 135, 1369-1377.	13.7	68
63	Optimization of anti-proliferative activity using a screening approach with a series of bis-heterocyclic G-quadruplex ligands. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 5351-5355.	2.2	7
64	Observation of unphosphorylated STAT3 core protein binding to target dsDNA by PEMSA and Xâ€ray crystallography. FEBS Letters, 2013, 587, 833-839.	2.8	60
65	Downregulation of Androgen Receptor Transcription by Promoter G-Quadruplex Stabilization as a Potential Alternative Treatment for Castrate-Resistant Prostate Cancer. Biochemistry, 2013, 52, 1429-1436.	2.5	23
66	Crystal Structure of a Promoter Sequence in the B-raf Gene Reveals an Intertwined Dimer Quadruplex. Journal of the American Chemical Society, 2013, 135, 19319-19329.	13.7	45
67	Conformational dynamics of the human propeller telomeric DNA quadruplex on a microsecond time scale. Nucleic Acids Research, 2013, 41, 2723-2735.	14.5	70
68	Inhibition of the hypoxia-inducible factor pathway by a G-quadruplex binding small molecule. Scientific Reports, 2013, 3, 2799.	3.3	35
69	Thioester derivatives of the natural product psammaplin A as potent histone deacetylase inhibitors. Beilstein Journal of Organic Chemistry, 2013, 9, 81-88.	2.2	28
70	Xanthene and Xanthone Derivatives as G-Quadruplex Stabilizing Ligands. Molecules, 2013, 18, 13446-13470.	3.8	14
71	Developing and paying for medicines for orphan indications in oncology: utilitarian regulation vs equitable care?. British Journal of Cancer, 2012, 106, 14-17.	6.4	23
72	Reply: Comment on â€˜Developing and paying for medicines for orphan indications in oncology: utilitarian regulation vs equitable care?â€™. British Journal of Cancer, 2012, 107, 584-584.	6.4	0

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73	Defining the Mechanism of Action and Enzymatic Selectivity of Psammaplin A against Its Epigenetic Targets. Journal of Medicinal Chemistry, 2012, 55, 1731-1750.	6.4	89
74	Molecular Basis of Structureâ€“Activity Relationships between Salphen Metal Complexes and Human Telomeric DNA Quadruplexes. Journal of Medicinal Chemistry, 2012, 55, 209-222.	6.4	196
75	Crystal structure of a c-kit promoter quadruplex reveals the structural role of metal ions and water molecules in maintaining loop conformation. Nucleic Acids Research, 2012, 40, 4691-4700.	14.5	117
76	A novel series of G-quadruplex ligands with selectivity for HIF-expressing osteosarcoma and renal cancer cell lines. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 5984-5988.	2.2	30
77	Crystallography of DNA and RNA Gâ€Quadruplex Nucleic Acids and Their Ligand Complexes. Current Protocols in Nucleic Acid Chemistry, 2012, 50, Unit17.6.	0.5	36
78	Into the minor groove. Nature Chemistry, 2012, 4, 594-595.	13.6	21
79	Molecular Dynamics and Force Field Based Methods for Studying Quadruplex Nucleic Acids. RSC Biomolecular Sciences, 2012, , 33-52.	0.4	4
80	Sequences in the HSP90 promoter form G-quadruplex structures with selectivity for disubstituted phenyl bis-oxazole derivatives. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 5930-5935.	2.2	26
81	Bioactive Compounds from Carissa spinarum. Phytotherapy Research, 2012, 26, 1496-1499.	5.8	32
82	Molecular Dynamics Studies of the STAT3 Homodimer:DNA Complex: Relationships between STAT3 Mutations and Proteinâ€“DNA Recognition. Journal of Chemical Information and Modeling, 2012, 52, 1179-1192.	5.4	21
83	Symmetric Bis-benzimidazoles Are Potent Anti-Staphylococcal Agents with Dual Inhibitory Mechanisms against DNA Gyrase. Biochemistry, 2012, 51, 5860-5871.	2.5	26
84	Structural Basis for Telomeric G-Quadruplex Targeting by Naphthalene Diimide Ligands. Journal of the American Chemical Society, 2012, 134, 2723-2731.	13.7	213
85	Synthesis of Small Molecules Targeting Multiple DNA Structures using Click Chemistry. ChemMedChem, 2012, 7, 792-804.	3.2	21
86	Identification of novel telomeric G-quadruplex-targeting chemical scaffolds through screening of three NCI libraries. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 3006-3010.	2.2	29
87	Structural Basis of Telomeric RNA Quadruplexâ^'Acridine Ligand Recognition. Journal of the American Chemical Society, 2011, 133, 2721-2728.	13.7	125
88	Water-Mediated Binding of Agents that Target the DNA Minor Groove. Journal of the American Chemical Society, 2011, 133, 10171-10183.	13.7	60
89	A structural analysis of G-quadruplex/ligand interactions. Biochimie, 2011, 93, 1239-1251.	2.6	123
90	Surface area accessibility and the preferred topology of telomeric DNA quadruplexâ€“ligand complexes. Biochimie, 2011, 93, 1275-1279.	2.6	13

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91	The triazatruxene derivative azatrux binds to the parallel form of the human telomeric G-quadruplex under molecular crowding conditions: Biophysical and molecular modeling studies. Biochimie, 2011, 93, 1318-1327.	2.6	37
92	N-Cyclic Bay-Substituted Perylene G-Quadruplex Ligands Have Selective Antiproliferative Effects on Cancer Cells and Induce Telomere Damage. Journal of Medicinal Chemistry, 2011, 54, 1140-1156.	6.4	51
93	Fluorine in medicinal chemistry: Î²-fluorination of peripheral pyrrolidines attached to acridine ligands affects their interactions with G-quadruplex DNA. Organic and Biomolecular Chemistry, 2011, 9, 1328.	2.8	65
94	Targeting G-quadruplexes in gene promoters: a novel anticancer strategy?. Nature Reviews Drug Discovery, 2011, 10, 261-275.	46.4	1,447
95	Targeting pancreatic cancer with a G-quadruplex ligand. Bioorganic and Medicinal Chemistry, 2011, 19, 7151-7157.	3.0	58
96	On the function of the internal cavity of histone deacetylase protein 8: R37 is a crucial residue for catalysis. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 2129-2132.	2.2	36
97	Mapping the sequences of potential guanine quadruplex motifs. Nucleic Acids Research, 2011, 39, 4917-4927.	14.5	29
98	Rational Design of Acridine-Based Ligands with Selectivity for Human Telomeric Quadruplexes. Journal of the American Chemical Society, 2010, 132, 12263-12272.	13.7	98
99	Tetrasubstituted naphthalene diimide ligands with selectivity for telomeric G-quadruplexes and cancer cells. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 6459-6463.	2.2	93
100	C-11 diamino cryptolepine derivatives NSC748392, NSC748393, and NSC748394: Anticancer profile and G-quadruplex stabilization. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 7042-7045.	2.2	26
101	A novel small-molecule inhibitor of IL-6 signalling. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 7029-7032.	2.2	16
102	Human telomeric Gâ€quadruplex: The current status of telomeric Gâ€quadruplexes as therapeutic targets in human cancer. FEBS Journal, 2010, 277, 1118-1125.	4.7	481
103	A crystallographic and modelling study of a human telomeric RNA (TERRA) quadruplex. Nucleic Acids Research, 2010, 38, 5569-5580.	14.5	213
104	Electrospray Mass Spectrometry of Telomeric RNA (TERRA) Reveals the Formation of Stable Multimeric G-Quadruplex Structures. Journal of the American Chemical Society, 2010, 132, 9328-9334.	13.7	124
105	Targeting the c-Kit Promoter G-quadruplexes with 6-Substituted Indenoisoquinolines. ACS Medicinal Chemistry Letters, 2010, 1, 306-310.	2.8	67
106	Molecular Modeling on Inhibitor Complexes and Active-Site Dynamics of Cytochrome P450 C17, a Target for Prostate Cancer Therapy. Journal of Molecular Biology, 2010, 400, 1078-1098.	4.2	25
107	A click chemistry approach to C3 symmetric, G-quadruplex stabilising ligands. Organic and Biomolecular Chemistry, 2010, 8, 2926.	2.8	28
108	Structureâ^'Activity Relationships of Monomeric C2-Aryl Pyrrolo[2,1-c][1,4]benzodiazepine (PBD) Antitumor Agents. Journal of Medicinal Chemistry, 2010, 53, 2927-2941.	6.4	39

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109	The structures of quadruplex nucleic acids and their drug complexes. Current Opinion in Structural Biology, 2009, 19, 239-250.	5.7	407
110	G-quadruplex compounds and cis-platin act synergistically to inhibit cancer cell growth in vitro and in vivo. Biochemical Pharmacology, 2009, 78, 115-122.	4.4	34
111	Design, synthesis and evaluation of 4,5-di-substituted acridone ligands with high G-quadruplex affinity and selectivity, together with low toxicity to normal cells. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 5109-5113.	2.2	33
112	G-quadruplex nucleic acids as therapeutic targets. Current Opinion in Chemical Biology, 2009, 13, 345-353.	6.1	532
113	Selective G-quadruplex ligands: The significant role of side chain charge density in a series of perylene derivatives. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 3903-3908.	2.2	24
114	A G-Rich Sequence within the c-kit Oncogene Promoter Forms a Parallel G-Quadruplex Having Asymmetric G-Tetrad Dynamics. Journal of the American Chemical Society, 2009, 131, 13399-13409.	13.7	195
115	Targeting Human Gastrointestinal Stromal Tumor Cells with a Quadruplex-Binding Small Molecule. Journal of Medicinal Chemistry, 2009, 52, 3774-3783.	6.4	126
116	Shedding Light on the Interaction between TMPyP4 and Human Telomeric Quadruplexes. Journal of Physical Chemistry B, 2009, 113, 14779-14786.	2.6	145
117	Bioactive Pyridine-N-oxide Disulfides from Allium stipitatum. Journal of Natural Products, 2009, 72, 360-365.	3.0	103
118	A Role for Water Molecules in DNAâ˜'Ligand Minor Groove Recognition. Accounts of Chemical Research, 2009, 42, 11-21.	15.6	119
119	Selectivity in Ligand Recognition of G-Quadruplex Loops. Biochemistry, 2009, 48, 1675-1680.	2.5	114
120	Recognition and discrimination of DNA quadruplexes by acridine-peptide conjugates. Organic and Biomolecular Chemistry, 2009, 7, 76-84.	2.8	60
121	A molecular model for drug binding to tandem repeats of telomeric G-quadruplexes. Biochemical Society Transactions, 2009, 37, 583-588.	3.4	30
122	Amide bond direction modulates G-quadruplex recognition and telomerase inhibition by 2,6 and 2,7 bis-substituted anthracenedione derivatives. Bioorganic and Medicinal Chemistry, 2008, 16, 354-361.	3.0	31
123	Tri- and tetra-substituted naphthalene diimides as potent G-quadruplex ligands. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 1668-1673.	2.2	128
124	TRAPâ€"LIG, a modified telomere repeat amplification protocol assay to quantitate telomerase inhibition by small molecules. Analytical Biochemistry, 2008, 380, 99-105.	2.4	101
125	Effects of Metal Coordination Geometry on Stabilization of Human Telomeric Quadruplex DNA by Square-Planar and Square-Pyramidal Metal Complexes. Inorganic Chemistry, 2008, 47, 11910-11919.	4.0	126
126	Quadruplex DNA crystal structures and drug design. Biochimie, 2008, 90, 1184-1196.	2.6	147

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127	Rational Design of Substituted Diarylureas: A Scaffold for Binding to G-Quadruplex Motifs. Journal of Medicinal Chemistry, 2008, 51, 7751-7767.	6.4	61
128	Aminoacylâ^'Anthraquinone Conjugates as Telomerase Inhibitors: Synthesis, Biophysical and Biological Evaluation. Journal of Medicinal Chemistry, 2008, 51, 5566-5574.	6.4	58
129	Topology Conservation and Loop Flexibility in Quadruplexâ€"Drug Recognition: Crystal Structures of Inter- and Intramolecular Telomeric DNA Quadruplexâ€"Drug Complexes. Journal of Molecular Biology, 2008, 381, 1145-1156.	4.2	165
130	Molecular Dynamics and Principal Components Analysis of Human Telomeric Quadruplex Multimers. Biophysical Journal, 2008, 95, 296-311.	0.5	189
131	Structural Basis of DNA Quadruplex Recognition by an Acridine Drug. Journal of the American Chemical Society, 2008, 130, 6722-6724.	13.7	295
132	The relationship of potential G-quadruplex sequences in cis-upstream regions of the human genome to SP1-binding elements. Nucleic Acids Research, 2008, 36, 2700-2704.	14.5	66
133	Targeting telomerase and telomeres: a click chemistry approach towards highly selective G-quadruplex ligands. Molecular BioSystems, 2008, 4, 629.	2.9	36
134	The Building-Blocks of DNA and RNA. , 2008, , 20-37.		11
135	DNA Structure as Observed in Fibers and Crystals. , 2008, , 38-80.		8
136	High-resolution crystal structure of the intramolecular d(TpA) thymine-adenine photoadduct and its mechanistic implications. Nucleic Acids Research, 2007, 35, 1048-1053.	14.5	25
137	Observation of the Coexistence of Sodium and Calcium Ions in a DNA G-Quadruplex Ion Channel. Journal of the American Chemical Society, 2007, 129, 10106-10107.	13.7	67
138	Induced Fit Conformational Changes of a â€œReversed Amidineâ€•Heterocycle:Â Optimized Interactions in a DNA Minor Groove Complex. Journal of the American Chemical Society, 2007, 129, 5688-5698.	13.7	47
139	Structural Basis for Binding of Porphyrin to Human Telomeres,. Biochemistry, 2007, 46, 2390-2397.	2.5	303
140	Sequence occurrence and structural uniqueness of a G-quadruplex in the human c-kit promoter. Nucleic Acids Research, 2007, 35, 5799-5808.	14.5	132
141	Structure of an Unprecedented G-Quadruplex Scaffold in the Humanc-kitPromoter. Journal of the American Chemical Society, 2007, 129, 4386-4392.	13.7	418
142	Chemical Variation of Natural-Product-Like Scaffolds: Design, Synthesis, and Biological Activity of Fused Bicyclic Acetal Derivatives. Angewandte Chemie - International Edition, 2007, 46, 2493-2496.	13.8	51
143	Structure-based design of benzylamino-acridine compounds as G-quadruplex DNA telomere targeting agents. Bioorganic and Medicinal Chemistry Letters, 2007, 17, 2293-2298.	2.2	65
144	Structure-specific recognition of quadruplex DNA by organic cations: Influence of shape, substituents and charge. Biophysical Chemistry, 2007, 126, 140-153.	2.8	182

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145	Mechanism of acridine-based telomerase inhibition and telomere shortening. Biochemical Pharmacology, 2007, 74, 679-689.	4.4	126
146	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. Journal of Medicinal Chemistry, 2006, 49, 582-599.	6.4	192
147	Topology Variation and Loop Structural Homology in Crystal and Simulated Structures of a Bimolecular DNA Quadruplex. Journal of the American Chemical Society, 2006, 128, 5480-5487.	13.7	61
148	Stabilization of G-Quadruplex DNA by Highly Selective Ligands via Click Chemistry. Journal of the American Chemical Society, 2006, 128, 15972-15973.	13.7	212
149	Virtual Screening of DNA Minor Groove Binders. Journal of Medicinal Chemistry, 2006, 49, 4232-4238.	6.4	43
150	Stabilization of G-Quadruplex DNA and Inhibition of Telomerase Activity by Square-Planar Nickel(II) Complexes. Journal of the American Chemical Society, 2006, 128, 5992-5993.	13.7	314
151	Discovery of G-quadruplex stabilizing ligands through direct ELISA of a one-bead-one-compound library. Organic and Biomolecular Chemistry, 2006, 4, 4364.	2.8	15
152	New mustard-linked 2-aryl-bis-benzimidazoles with anti-proliferative activity. Organic and Biomolecular Chemistry, 2006, 4, 1305.	2.8	41
153	A Conserved Quadruplex Motif Located in a Transcription Activation Site of the Human c-kit Oncogene. Biochemistry, 2006, 45, 7854-7860.	2.5	370
154	Quadruplex DNA: sequence, topology and structure. Nucleic Acids Research, 2006, 34, 5402-5415.	14.5	2,049
155	Natural and synthetic G-quadruplex interactive berberine derivatives. Bioorganic and Medicinal Chemistry Letters, 2006, 16, 1707-1711.	2.2	202
156	Synthesis of distamycin A polyamides targeting G-quadruplex DNA. Organic and Biomolecular Chemistry, 2006, 4, 3479.	2.8	45
157	Targeting the DNA minor groove with fused ring dicationic compounds: Comparison of in silico screening and a high-resolution crystal structure. Bioorganic and Medicinal Chemistry Letters, 2006, 16, 15-19.	2.2	11
158	Predictive modelling of topology and loop variations in dimeric DNA quadruplex structures. Nucleic Acids Research, 2006, 34, 2117-2127.	14.5	62
159	Structural Bioinformatics in Cancer. , 2006, , 127-140.		0
160	Truncated azinomycin analogues intercalate into DNA. Bioorganic and Medicinal Chemistry Letters, 2005, 15, 653-656.	2.2	19
161	Chemical approaches to the discovery and development of cancer therapies. Nature Reviews Cancer, 2005, 5, 285-296.	28.4	205
162	Highly prevalent putative quadruplex sequence motifs in human DNA. Nucleic Acids Research, 2005, 33, 2901-2907.	14.5	872

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