

Stephen Neidle

List of Publications by Year in descending order

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381
papers

34,077
citations

3668

92
h-index

5102

172
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406
all docs

406
docs citations

406
times ranked

17002
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. <i>Pharmaceuticals</i> , 2022, 15, 7.	1.7	19
4	The mechanism of resistance in Escherichia coli to ridinilazole and other antibacterial head-to-head bis-benzimidazole compounds. <i>Medicinal Chemistry Research</i> , 2022, 31, 1176-1191.	1.1	1
5	Beyond the double helix: DNA structural diversity and the PDB. <i>Journal of Biological Chemistry</i> , 2021, 296, 100553.	1.6	25
6	Targeting the ALS/FTD-associated A-DNA kink with anthracene-based metal complex causes DNA backbone straightening and groove contraction. <i>Nucleic Acids Research</i> , 2021, 49, 9526-9538.	6.5	5
7	Water spines and networks in G-quadruplex structures. <i>Nucleic Acids Research</i> , 2021, 49, 519-528.	6.5	27
8	Asymmetrically Substituted Quadruplex-Binding Naphthalene Diimide Showing Potent Activity in Pancreatic Cancer Models. <i>ACS Medicinal Chemistry Letters</i> , 2020, 11, 1634-1644.	1.3	26
9	Challenges in developing small-molecule quadruplex therapeutics. <i>Annual Reports in Medicinal Chemistry</i> , 2020, , 517-546.	0.5	4
10	A G-Quadruplex-Binding Small Molecule and the HDAC Inhibitor SAHA (Vorinostat) Act Synergistically in Gemcitabine-Sensitive and Resistant Pancreatic Cancer Cells. <i>Molecules</i> , 2020, 25, 5407.	1.7	7
11	A G-quadruplex-binding compound shows potent activity in human gemcitabine-resistant pancreatic cancer cells. <i>Scientific Reports</i> , 2020, 10, 12192.	1.6	18
12	Substituted Naphthalenediimide Compounds Bind Selectively to Two Human Quadruplex Structures with Parallel Topology. <i>ACS Medicinal Chemistry Letters</i> , 2020, 11, 991-999.	1.3	16
13	Comment on â€™Dark Nudges and Sludge in Big Alcohol: Behavioral Economics, Cognitive Biases, and Alcohol Industry Corporate Social Responsibilityâ€™. <i>Milbank Quarterly</i> , 2020, 98, E1-E4.	2.1	2
14	Hierarchical Nanotube Selfâ€™Assembly of DNA Minor Grooveâ€™Binding Ligand DB921 via Alkali Halide Triggering. <i>Macromolecular Symposia</i> , 2019, 386, 1800243.	0.4	0
15	Polymorphic G:C mismatches act as hotspots for inducing right-handed Z DNA by DNA intercalation. <i>Nucleic Acids Research</i> , 2019, 47, 8899-8912.	6.5	16
16	Combining 1,3â€™Ditriazolylbenzene and Quinoline to Discover a New Gâ€™Quadruplexâ€™Interactive Small Molecule Active against Cancer Stemâ€™Like Cells. <i>ChemMedChem</i> , 2019, 14, 1325-1328.	1.6	13
17	The Targeting of Quadruplex Nucleic Acids in Human Cancers. <i>Proceedings (mdpi)</i> , 2019, 22, .	0.2	0
18	Dynamic self-assembly of DNA minor groove-binding ligand DB921 into nanotubes triggered by an alkali halide. <i>Nanoscale</i> , 2018, 10, 5550-5558.	2.8	6

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19	Accuracy of alcohol and breast cancer risk information on Drinkaware™s website. <i>Drug and Alcohol Review</i> , 2018, 37, 304-306.	1.1	4
20	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.	2.9	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. <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 2958-2964.	1.4	23
22	G-Quadruplex-binding small molecules ameliorate <i>C9orf72</i> <i>FTD</i> / <i>ALS</i> pathology <i>in vitro</i> and <i>in vivo</i> . <i>EMBO Molecular Medicine</i> , 2018, 10, 22-31.	3.3	178
23	Quadruplex nucleic acids as targets for anticancer therapeutics. <i>Nature Reviews Chemistry</i> , 2017, 1, .	13.8	357
24	Exploring the Dynamics of Propeller Loops in Human Telomeric DNA Quadruplexes Using Atomistic Simulations. <i>Journal of Chemical Theory and Computation</i> , 2017, 13, 2458-2480.	2.3	39
25	Induced-Fit Recognition of CCG Trinucleotide Repeats by a Nickel-Chromomycin Complex Resulting in Large-Scale DNA Deformation. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 8761-8765.	7.2	30
26	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.	1.1	89
27	Induced-Fit Recognition of CCG Trinucleotide Repeats by a Nickel-Chromomycin Complex Resulting in Large-Scale DNA Deformation. <i>Angewandte Chemie</i> , 2017, 129, 8887-8891.	1.6	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. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 5706-5720.	2.9	51
30	Preface. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 4767.	1.4	0
31	Molecular mechanisms and therapeutic strategies in amyotrophic lateral sclerosis caused by <i>C9orf72</i> mutations. <i>Lancet, The</i> , 2016, 387, S13.	6.3	0
32	Quadruplex Nucleic Acids as Novel Therapeutic Targets. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 5987-6011.	2.9	481
33	Can We Execute Reliable MM-PBSA Free Energy Computations of Relative Stabilities of Different Guanine Quadruplex Folds?. <i>Journal of Physical Chemistry B</i> , 2016, 120, 2899-2912.	1.2	32
34	Structural Insights into the Quadruplex-Duplex Interface Formed from a Telomeric Repeat: A Potential Molecular Target. <i>Journal of the American Chemical Society</i> , 2016, 138, 1226-1233.	6.6	56
35	A Personal History of Quadruplex Small Molecule Targeting. <i>Chemical Record</i> , 2015, 15, 691-710.	2.9	11
36	Flexibility and structural conservation in a c-KIT G-quadruplex. <i>Nucleic Acids Research</i> , 2015, 43, 629-644.	6.5	63

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37	Loop flexibility in human telomeric quadruplex small-molecule complexes. <i>Nucleic Acids Research</i> , 2015, 43, 4785-4799.	6.5	42
38	The discovery of a novel antibiotic for the treatment of <i>Clostridium difficile</i> infections: a story of an effective academic–industrial partnership. <i>MedChemComm</i> , 2015, 6, 1420-1426.	3.5	22
39	A G-quadruplex-binding compound showing anti-tumour activity in an in vivo model for pancreatic cancer. <i>Scientific Reports</i> , 2015, 5, 11385.	1.6	95
40	Synthesis and biological evaluation of hybrid acridine-HSP90 ligand conjugates as telomerase inhibitors. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 8500-8504.	1.5	12
41	Atomic Force Microscopy and Voltammetric Investigation of Quadruplex Formation between a Triazole-Acridine Conjugate and Guanine-Containing Repeat DNA Sequences. <i>Analytical Chemistry</i> , 2015, 87, 6141-6149.	3.2	15
42	KRAS oncogene repression in colon cancer cell lines by G-quadruplex binding indolo[3,2-c]quinolines. <i>Scientific Reports</i> , 2015, 5, 9696.	1.6	74
43	G-quadruplexes: Emerging roles in neurodegenerative diseases and the non-coding transcriptome. <i>FEBS Letters</i> , 2015, 589, 1653-1668.	1.3	185
44	Macrocyclic naphthalene diimides as G-quadruplex binders. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 3819-3830.	1.4	34
45	Indolo[3,2-a]quinoline G-quadruplex Stabilizers: a Structural Analysis of Binding to the Human Telomeric G-quadruplex. <i>ChemMedChem</i> , 2015, 10, 836-849.	1.6	24
46	Extended molecular dynamics of a c-kit promoter quadruplex. <i>Nucleic Acids Research</i> , 2015, 43, 8673-8693.	6.5	49
47	Triazole-linked phenyl derivatives: Redox mechanisms and in situ electrochemical evaluation of interaction with dsDNA. <i>Bioelectrochemistry</i> , 2015, 101, 97-105.	2.4	2
48	Targeting KRAS Oncogene in Colon Cancer Cells with 7-Carboxylate Indolo[3,2-b]quinoline Tri-Alkylamine Derivatives. <i>PLoS ONE</i> , 2015, 10, e0126891.	1.1	41
49	Structure-Dependent Binding of Arylimidamides to the DNA Minor Groove. <i>ChemBioChem</i> , 2014, 15, 68-79.	1.3	20
50	Discovery of new G-quadruplex binding chemotypes. <i>Chemical Communications</i> , 2014, 50, 960-963.	2.2	24
51	Small-molecule quadruplex-targeted drug discovery. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 2602-2612.	1.0	165
52	Targeting a c-MYC G-quadruplex DNA with a fragment library. <i>Chemical Communications</i> , 2014, 50, 1704-1707.	2.2	49
53	Preface. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 4355.	1.4	0
54	Structural Basis for the Identification of an i-Motif Tetraplex Core with a Parallel-Duplex Junction as a Structural Motif in CCG Triplet Repeats. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 10682-10686.	7.2	30

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55	Small-molecule G-quadruplex interactions: Systematic exploration of conformational space using multiple molecular dynamics. <i>Biopolymers</i> , 2013, 99, n/a-n/a.	1.2	29
56	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.	2.9	163
57	Synthesis, G-Quadruplex Stabilisation, Docking Studies, and Effect on Cancer Cells of Indolo[3,2-a]quinolines with One, Two, or Three Basic Side Chains. <i>ChemMedChem</i> , 2013, 8, 1648-1661.	1.6	39
58	The influence of positional isomerism on G-quadruplex binding and anti-proliferative activity of tetra-substituted naphthalene diimide compounds. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 6162-6170.	1.4	17
59	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.	1.1	62
60	Antibacterial activity of head-to-head bis-benzimidazoles. <i>International Journal of Antimicrobial Agents</i> , 2013, 42, 361-366.	1.1	27
61	Mechanism of the Antiproliferative Activity of Some Naphthalene Diimide G-Quadruplex Ligands. <i>Molecular Pharmacology</i> , 2013, 83, 470-480.	1.0	29
62	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.	6.6	68
63	Optimization of anti-proliferative activity using a screening approach with a series of bis-heterocyclic G-quadruplex ligands. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 5351-5355.	1.0	7
64	Observation of unphosphorylated STAT3 core protein binding to target DNA by PEMSA and X-ray crystallography. <i>FEBS Letters</i> , 2013, 587, 833-839.	1.3	60
65	Downregulation of Androgen Receptor Transcription by Promoter G-Quadruplex Stabilization as a Potential Alternative Treatment for Castrate-Resistant Prostate Cancer. <i>Biochemistry</i> , 2013, 52, 1429-1436.	1.2	23
66	Crystal Structure of a Promoter Sequence in the B-raf Gene Reveals an Intertwined Dimer Quadruplex. <i>Journal of the American Chemical Society</i> , 2013, 135, 19319-19329.	6.6	45
67	Conformational dynamics of the human propeller telomeric DNA quadruplex on a microsecond time scale. <i>Nucleic Acids Research</i> , 2013, 41, 2723-2735.	6.5	70
68	Inhibition of the hypoxia-inducible factor pathway by a G-quadruplex binding small molecule. <i>Scientific Reports</i> , 2013, 3, 2799.	1.6	35
69	Thioester derivatives of the natural product psammaphin A as potent histone deacetylase inhibitors. <i>Beilstein Journal of Organic Chemistry</i> , 2013, 9, 81-88.	1.3	28
70	Xanthene and Xanthone Derivatives as G-Quadruplex Stabilizing Ligands. <i>Molecules</i> , 2013, 18, 13446-13470.	1.7	14
71	Developing and paying for medicines for orphan indications in oncology: utilitarian regulation vs equitable care?. <i>British Journal of Cancer</i> , 2012, 106, 14-17.	2.9	23
72	Reply: Comment on "Developing and paying for medicines for orphan indications in oncology: utilitarian regulation vs equitable care?". <i>British Journal of Cancer</i> , 2012, 107, 584-584.	2.9	0

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73	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.	2.9	89
74	Molecular Basis of Structure–Activity Relationships between Salphen Metal Complexes and Human Telomeric DNA Quadruplexes. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 209-222.	2.9	196
75	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.	6.5	117
76	A novel series of G-quadruplex ligands with selectivity for HIF-expressing osteosarcoma and renal cancer cell lines. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 5984-5988.	1.0	30
77	Crystallography of DNA and RNA G-Quadruplex Nucleic Acids and Their Ligand Complexes. <i>Current Protocols in Nucleic Acid Chemistry</i> , 2012, 50, Unit17.6.	0.5	36
78	Into the minor groove. <i>Nature Chemistry</i> , 2012, 4, 594-595.	6.6	21
79	Molecular Dynamics and Force Field Based Methods for Studying Quadruplex Nucleic Acids. <i>RSC Biomolecular Sciences</i> , 2012, , 33-52.	0.4	4
80	Sequences in the HSP90 promoter form G-quadruplex structures with selectivity for disubstituted phenyl bis-oxazole derivatives. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 5930-5935.	1.0	26
81	Bioactive Compounds from <i>Carissa spinarum</i> . <i>Phytotherapy Research</i> , 2012, 26, 1496-1499.	2.8	32
82	Molecular Dynamics Studies of the STAT3 Homodimer:DNA Complex: Relationships between STAT3 Mutations and Protein–DNA Recognition. <i>Journal of Chemical Information and Modeling</i> , 2012, 52, 1179-1192.	2.5	21
83	Symmetric Bis-benzimidazoles Are Potent Anti-Staphylococcal Agents with Dual Inhibitory Mechanisms against DNA Gyrase. <i>Biochemistry</i> , 2012, 51, 5860-5871.	1.2	26
84	Structural Basis for Telomeric G-Quadruplex Targeting by Naphthalene Diimide Ligands. <i>Journal of the American Chemical Society</i> , 2012, 134, 2723-2731.	6.6	213
85	Synthesis of Small Molecules Targeting Multiple DNA Structures using Click Chemistry. <i>ChemMedChem</i> , 2012, 7, 792-804.	1.6	21
86	Identification of novel telomeric G-quadruplex-targeting chemical scaffolds through screening of three NCI libraries. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 3006-3010.	1.0	29
87	Structural Basis of Telomeric RNA Quadruplex–Acridine Ligand Recognition. <i>Journal of the American Chemical Society</i> , 2011, 133, 2721-2728.	6.6	125
88	Water-Mediated Binding of Agents that Target the DNA Minor Groove. <i>Journal of the American Chemical Society</i> , 2011, 133, 10171-10183.	6.6	60
89	A structural analysis of G-quadruplex/ligand interactions. <i>Biochimie</i> , 2011, 93, 1239-1251.	1.3	123
90	Surface area accessibility and the preferred topology of telomeric DNA quadruplex–ligand complexes. <i>Biochimie</i> , 2011, 93, 1275-1279.	1.3	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. <i>Biochimie</i> , 2011, 93, 1318-1327.	1.3	37
92	N-Cyclic Bay-Substituted Perylene G-Quadruplex Ligands Have Selective Antiproliferative Effects on Cancer Cells and Induce Telomere Damage. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 1140-1156.	2.9	51
93	Fluorine in medicinal chemistry: $\hat{2}$ -fluorination of peripheral pyrrolidines attached to acridine ligands affects their interactions with G-quadruplex DNA. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 1328.	1.5	65
94	Targeting G-quadruplexes in gene promoters: a novel anticancer strategy?. <i>Nature Reviews Drug Discovery</i> , 2011, 10, 261-275.	21.5	1,447
95	Targeting pancreatic cancer with a G-quadruplex ligand. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 7151-7157.	1.4	58
96	On the function of the internal cavity of histone deacetylase protein 8: R37 is a crucial residue for catalysis. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 2129-2132.	1.0	36
97	Mapping the sequences of potential guanine quadruplex motifs. <i>Nucleic Acids Research</i> , 2011, 39, 4917-4927.	6.5	29
98	Rational Design of Acridine-Based Ligands with Selectivity for Human Telomeric Quadruplexes. <i>Journal of the American Chemical Society</i> , 2010, 132, 12263-12272.	6.6	98
99	Tetrasubstituted naphthalene diimide ligands with selectivity for telomeric G-quadruplexes and cancer cells. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 6459-6463.	1.0	93
100	C-11 diamino cryptolepine derivatives NSC748392, NSC748393, and NSC748394: Anticancer profile and G-quadruplex stabilization. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 7042-7045.	1.0	26
101	A novel small-molecule inhibitor of IL-6 signalling. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 7029-7032.	1.0	16
102	Human telomeric G $\hat{4}$ quadruplex: The current status of telomeric G $\hat{4}$ quadruplexes as therapeutic targets in human cancer. <i>FEBS Journal</i> , 2010, 277, 1118-1125.	2.2	481
103	A crystallographic and modelling study of a human telomeric RNA (TERRA) quadruplex. <i>Nucleic Acids Research</i> , 2010, 38, 5569-5580.	6.5	213
104	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.	6.6	124
105	Targeting the c-Kit Promoter G-quadruplexes with 6-Substituted Indenoisoquinolines. <i>ACS Medicinal Chemistry Letters</i> , 2010, 1, 306-310.	1.3	67
106	Molecular Modeling on Inhibitor Complexes and Active-Site Dynamics of Cytochrome P450 C17, a Target for Prostate Cancer Therapy. <i>Journal of Molecular Biology</i> , 2010, 400, 1078-1098.	2.0	25
107	A click chemistry approach to C3 symmetric, G-quadruplex stabilising ligands. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 2926.	1.5	28
108	Structure-Activity Relationships of Monomeric C2-Aryl Pyrrolo[2,1- <i>c</i>][1,4]benzodiazepine (PBD) Antitumor Agents. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 2927-2941.	2.9	39

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109	The structures of quadruplex nucleic acids and their drug complexes. <i>Current Opinion in Structural Biology</i> , 2009, 19, 239-250.	2.6	407
110	G-quadruplex compounds and cis-platin act synergistically to inhibit cancer cell growth in vitro and in vivo. <i>Biochemical Pharmacology</i> , 2009, 78, 115-122.	2.0	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. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 5109-5113.	1.0	33
112	G-quadruplex nucleic acids as therapeutic targets. <i>Current Opinion in Chemical Biology</i> , 2009, 13, 345-353.	2.8	532
113	Selective G-quadruplex ligands: The significant role of side chain charge density in a series of perylene derivatives. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 3903-3908.	1.0	24
114	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.	6.6	195
115	Targeting Human Gastrointestinal Stromal Tumor Cells with a Quadruplex-Binding Small Molecule. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 3774-3783.	2.9	126
116	Shedding Light on the Interaction between TMPyP4 and Human Telomeric Quadruplexes. <i>Journal of Physical Chemistry B</i> , 2009, 113, 14779-14786.	1.2	145
117	Bioactive Pyridine- <i>N</i> -oxide Disulfides from <i>Allium stipitatum</i> . <i>Journal of Natural Products</i> , 2009, 72, 360-365.	1.5	103
118	A Role for Water Molecules in DNA-Ligand Minor Groove Recognition. <i>Accounts of Chemical Research</i> , 2009, 42, 11-21.	7.6	119
119	Selectivity in Ligand Recognition of G-Quadruplex Loops. <i>Biochemistry</i> , 2009, 48, 1675-1680.	1.2	114
120	Recognition and discrimination of DNA quadruplexes by acridine-peptide conjugates. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 76-84.	1.5	60
121	A molecular model for drug binding to tandem repeats of telomeric G-quadruplexes. <i>Biochemical Society Transactions</i> , 2009, 37, 583-588.	1.6	30
122	Amide bond direction modulates G-quadruplex recognition and telomerase inhibition by 2,6 and 2,7 bis-substituted anthracenedione derivatives. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 354-361.	1.4	31
123	Tri- and tetra-substituted naphthalene diimides as potent G-quadruplex ligands. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008, 18, 1668-1673.	1.0	128
124	TRAP-LIG, a modified telomere repeat amplification protocol assay to quantitate telomerase inhibition by small molecules. <i>Analytical Biochemistry</i> , 2008, 380, 99-105.	1.1	101
125	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.	1.9	126
126	Quadruplex DNA crystal structures and drug design. <i>Biochimie</i> , 2008, 90, 1184-1196.	1.3	147

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127	Rational Design of Substituted Diarylureas: A Scaffold for Binding to G-Quadruplex Motifs. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 7751-7767.	2.9	61
128	Aminoacyl- γ -Anthraquinone Conjugates as Telomerase Inhibitors: Synthesis, Biophysical and Biological Evaluation. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 5566-5574.	2.9	58
129	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.	2.0	165
130	Molecular Dynamics and Principal Components Analysis of Human Telomeric Quadruplex Multimers. <i>Biophysical Journal</i> , 2008, 95, 296-311.	0.2	189
131	Structural Basis of DNA Quadruplex Recognition by an Acridine Drug. <i>Journal of the American Chemical Society</i> , 2008, 130, 6722-6724.	6.6	295
132	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.	6.5	66
133	Targeting telomerase and telomeres: a click chemistry approach towards highly selective G-quadruplex ligands. <i>Molecular BioSystems</i> , 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. <i>Nucleic Acids Research</i> , 2007, 35, 1048-1053.	6.5	25
137	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.	6.6	67
138	Induced Fit Conformational Changes of a α -Reversed Amidine-Heterocycle: Optimized Interactions in a DNA Minor Groove Complex. <i>Journal of the American Chemical Society</i> , 2007, 129, 5688-5698.	6.6	47
139	Structural Basis for Binding of Porphyrin to Human Telomeres,. <i>Biochemistry</i> , 2007, 46, 2390-2397.	1.2	303
140	Sequence occurrence and structural uniqueness of a G-quadruplex in the human c-kit promoter. <i>Nucleic Acids Research</i> , 2007, 35, 5799-5808.	6.5	132
141	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.	6.6	418
142	Chemical Variation of Natural-Product-Like Scaffolds: Design, Synthesis, and Biological Activity of Fused Bicyclic Acetal Derivatives. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 2493-2496.	7.2	51
143	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.	1.0	65
144	Structure-specific recognition of quadruplex DNA by organic cations: Influence of shape, substituents and charge. <i>Biophysical Chemistry</i> , 2007, 126, 140-153.	1.5	182

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