Laurence H Hurley

List of Publications by Year
in descending order

183	22,555	10389 72	8396 147
papers	citations	h-index	g-index

186	186	186	11400
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Direct evidence for a G-quadruplex in a promoter region and its targeting with a small molecule to repress c- MYC transcription. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 11593-11598.	7.1	1,970
2	Targeting G-quadruplexes in gene promoters: a novel anticancer strategy?. Nature Reviews Drug Discovery, 2011, 10, 261-275.	46.4	1,447
3	DNA and its associated processes as targets for cancer therapy. Nature Reviews Cancer, 2002, 2, 188-200.	28.4	1,223
4	Inhibition of Human Telomerase by a G-Quadruplex-Interactive Compound. Journal of Medicinal Chemistry, 1997, 40, 2113-2116.	6.4	763
5	Telomestatin, a Potent Telomerase Inhibitor That Interacts Quite Specifically with the Human Telomeric Intramolecular G-Quadruplex. Journal of the American Chemical Society, 2002, 124, 2098-2099.	13.7	494
6	G-quadruplex DNA: a potential target for anti-cancer drug design. Trends in Pharmacological Sciences, 2000, 21, 136-142.	8.7	458
7	Cationic Porphyrins as Telomerase Inhibitors:Â the Interaction of Tetra-(N-methyl-4-pyridyl)porphine with Quadruplex DNA. Journal of the American Chemical Society, 1998, 120, 3261-3262.	13.7	415
8	Structures, folding patterns, and functions of intramolecular DNA G-quadruplexes found in eukaryotic promoter regions. Biochimie, 2008, 90, 1149-1171.	2.6	415
9	Making sense of Gâ€quadruplex and iâ€motif functions in oncogene promoters. FEBS Journal, 2010, 277, 3459-3469.	4.7	401
10	NMR-Based Model of a Telomerase-Inhibiting Compound Bound to G-Quadruplex DNAâ€. Biochemistry, 1998, 37, 12367-12374.	2.5	369
11	Facilitation of a structural transition in the polypurine/polypyrimidine tract within the proximal promoter region of the human VEGF gene by the presence of potassium and G-quadruplex-interactive agents. Nucleic Acids Research, 2005, 33, 6070-6080.	14.5	367
12	The Dynamic Character of the G-Quadruplex Element in the c-MYC Promoter and Modification by TMPyP4. Journal of the American Chemical Society, 2004, 126, 8702-8709.	13.7	352
13	Deconvoluting the Structural and Drug-Recognition Complexity of the G-Quadruplex-Forming Region Upstream of thebcl-2P1 Promoter. Journal of the American Chemical Society, 2006, 128, 5404-5415.	13.7	345
14	The Importance of Negative Superhelicity in Inducing the Formation of G-Quadruplex and i-Motif Structures in the c-Myc Promoter: Implications for Drug Targeting and Control of Gene Expression. Journal of Medicinal Chemistry, 2009, 52, 2863-2874.	6.4	344
15	Telomestatin and Diseleno Sapphyrin Bind Selectively to Two Different Forms of the Human Telomeric G-Quadruplex Structure. Journal of the American Chemical Society, 2005, 127, 9439-9447.	13.7	328
16	Interactions of TMPyP4 and TMPyP2 with Quadruplex DNA. Structural Basis for the Differential Effects on Telomerase Inhibition. Journal of the American Chemical Society, 1999, 121, 3561-3570.	13.7	327
17	NMR solution structure of the major G-quadruplex structure formed in the human BCL2 promoter region. Nucleic Acids Research, 2006, 34, 5133-5144.	14.5	323
18	Solution Structure of a 2:1 Quindolineâ€“c-MYC G-Quadruplex: Insights into G-Quadruplex-Interactive Small Molecule Drug Design. Journal of the American Chemical Society, 2011, 133, 17673-17680.	13.7	313

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19	Selective Interactions of Cationic Porphyrins with G-Quadruplex Structures. Journal of the American Chemical Society, 2001, 123, 8902-8913.	13.7	311
20	Design and Synthesis of an Expanded Porphyrin That Has Selectivity for the c-MYC G-Quadruplex Structure. Journal of the American Chemical Society, 2005, 127, 2944-2959.	13.7	303
21	The cationic porphyrin TMPyP4 down-regulates c-MYC and human telomerase reverse transcriptase expression and inhibits tumor growth in vivo. Molecular Cancer Therapeutics, 2002, 1, 565-73.	4.1	270
22	Identification and Characterization of Nucleolin as a c-myc G-quadruplex-binding Protein. Journal of Biological Chemistry, 2009, 284, 23622-23635.	3.4	267
23	Evidence for the Presence of a Guanine Quadruplex Forming Region within a Polypurine Tract of the Hypoxia Inducible Factor 1Î± Promoterâ€. Biochemistry, 2005, 44, 16341-16350.	2.5	260
24	The role of supercoiling in transcriptional control of MYC and its importance in molecular therapeutics. Nature Reviews Cancer, 2009, 9, 849-861.	28.4	252
25	Targeting MYC Expression through G-Quadruplexes. Genes and Cancer, 2010, 1, 641-649.	1.9	250
26	Quadruplex-Interactive Agents as Telomerase Inhibitors:Â Synthesis of Porphyrins and Structureâ^'Activity Relationship for the Inhibition of Telomerase. Journal of Medicinal Chemistry, 2001, 44, 4509-4523.	6.4	246
27	Formation of Pseudosymmetrical G-Quadruplex and i-Motif Structures in the Proximal Promoter Region of the RET Oncogene. Journal of the American Chemical Society, 2007, 129, 10220-10228.	13.7	235
28	Formation of a Unique End-to-End Stacked Pair of G-Quadruplexes in the hTERT Core Promoter with Implications for Inhibition of Telomerase by G-Quadruplex-Interactive Ligands. Journal of the American Chemical Society, 2009, 131, 10878-10891.	13.7	227
29	The Dynamic Character of the BCL2 Promoter i-Motif Provides a Mechanism for Modulation of Gene Expression by Compounds That Bind Selectively to the Alternative DNA Hairpin Structure. Journal of the American Chemical Society, 2014, 136, 4161-4171.	13.7	218
30	The Transcriptional Complex Between the BCL2 i-Motif and hnRNP LL Is a Molecular Switch for Control of Gene Expression That Can Be Modulated by Small Molecules. Journal of the American Chemical Society, 2014, 136, 4172-4185.	13.7	207
31	Ecteinascidin 743:â€‰ A Minor Groove Alkylator That Bends DNA toward the Major Groove. Journal of Medicinal Chemistry, 1999, 42, 2493-2497.	6.4	203
32	Sequence selectivity of DNA covalent modification. Chemical Research in Toxicology, 1988, 1, 315-333.	3.3	196
33	Induction of Duplex to G-quadruplex Transition in the c-myc Promoter Region by a Small Molecule. Journal of Biological Chemistry, 2001, 276, 4640-4646.	3.4	184
34	Characterization of the G-quadruplexes in the duplex nuclease hypersensitive element of the PDGF-A promoter and modulation of PDGF-A promoter activity by TMPyP4. Nucleic Acids Research, 2007, 35, 7698-7713.	14.5	179
35	Pyrrolo(1,4)benzodiazepine antitumor antibiotics. Comparative aspects of anthramycin, tomaymycin and sibiromycin.. Journal of Antibiotics, 1977, 30, 349-370.	2.0	173
36	The different biological effects of telomestatin and TMPyP4 can be attributed to their selectivity for interaction with intramolecular or intermolecular G-quadruplex structures. Cancer Research, 2003, 63, 3247-56.	0.9	165

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37	A novel G-quadruplex-forming GGA repeat region in the c-myb promoter is a critical regulator of promoter activity. Nucleic Acids Research, 2008, 36, 1755-1769.	14.5	160
38	The proximal promoter region of the human vascular endothelial growth factor gene has a G-quadruplex structure that can be targeted by G-quadruplexâ€“interactive agents. Molecular Cancer Therapeutics, 2008, 7, 880-889.	4.1	159
39	Intramolecularly folded G-quadruplex and i-motif structures in the proximal promoter of the vascular endothelial growth factor gene. Nucleic Acids Research, 2008, 36, 4598-4608.	14.5	156
40	The c-MYCNHE III₁: Function and Regulation. Annual Review of Pharmacology and Toxicology, 2010, 50, 111-129.	9.4	154
41	Demonstration that Drug-targeted Down-regulation of MYC in Non-Hodgkins Lymphoma Is Directly Mediated through the Promoter G-quadruplex. Journal of Biological Chemistry, 2011, 286, 41018-41027.	3.4	149
42	Rational design of a highly efficient irreversible DNA interstrand cross-linking agent based on the pyrrolobenzodiazepine ring system. Journal of the American Chemical Society, 1992, 114, 4939-4941.	13.7	147
43	Pyrrolo[1,4]benzodiazepine antitumor antibiotics: relationship of DNA alkylation and sequence specificity to the biological activity of natural and synthetic compounds. Chemical Research in Toxicology, 1988, 1, 258-268.	3.3	144
44	Pluramycins. Old Drugs Having Modern Friends in Structural Biology. Accounts of Chemical Research, 1996, 29, 249-258.	15.6	143
45	The design, synthesis, and evaluation of 8 hybrid DFG-out allosteric kinase inhibitors: A structural analysis of the binding interactions of GleevecÂ®, NexavarÂ®, and BIRB-796. Bioorganic and Medicinal Chemistry, 2010, 18, 5738-5748.	3.0	143
46	DNA and associated targets for drug design. Journal of Medicinal Chemistry, 1989, 32, 2027-2033.	6.4	140
47	Insight into the Complexity of the i-Motif and G-Quadruplex DNA Structures Formed in the KRAS Promoter and Subsequent Drug-Induced Gene Repression. Journal of the American Chemical Society, 2017, 139, 8522-8536.	13.7	140
48	Telomeres and telomerases as drug targets. Current Opinion in Pharmacology, 2002, 2, 415-423.	3.5	137
49	Covalent binding of antitumor antibiotics in the minor groove of DNA. Mechanism of action of CC-1065 and the pyrrolo(1,4)benzodiazepines. Accounts of Chemical Research, 1986, 19, 230-237.	15.6	132
50	The i-Motif in the bcl-2 P1 Promoter Forms an Unexpectedly Stable Structure with a Unique 8:5:7 Loop Folding Pattern. Journal of the American Chemical Society, 2009, 131, 17667-17676.	13.7	125
51	Proposed structure of the anthramycinâ€“DNA adduct. Nature, 1979, 282, 529-531.	27.8	124
52	Integrated genomic analyses reveal frequent TERT aberrations in acral melanoma. Genome Research, 2017, 27, 524-532.	5.5	122
53	TELOMEREINHIBITION ANDTELOMEREDISRUPTION ASPROCESSES FORDRUGTARGETING. Annual Review of Pharmacology and Toxicology, 2003, 43, 359-379.	9.4	121
54	The chemistry, mechanism of action and biological properties of CC-1065, a potent antitumor antibiotic.. Journal of Antibiotics, 1986, 39, 319-334.	2.0	119

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55	Sequence specificity of DNA alkylation by the unnatural enantiomer of CC-1065 and its synthetic analogs. Journal of the American Chemical Society, 1990, 112, 4633-4649.	13.7	117
56	Drug Targeting of the c-MYC Promoter to Repress Gene Expression via a G-Quadruplex Silencer Element. Seminars in Oncology, 2006, 33, 498-512.	2.2	115
57	Telomerase Inhibition and Cell Growth Arrest After Telomestatin Treatment in Multiple Myeloma. Clinical Cancer Research, 2004, 10, 770-776.	7.0	110
58	Synthesis of Sequence-Selective C8-Linked Pyrrolo[2,1-c][1,4]benzodiazepine DNA Interstrand Cross-Linking Agents. Journal of Organic Chemistry, 1996, 61, 8141-8147.	3.2	108
59	Cationic Porphyrins Promote the Formation of i-Motif DNA and Bind Peripherally by a Nonintercalative Mechanism. Biochemistry, 2000, 39, 15083-15090.	2.5	108
60	Biochemical Techniques for the Characterization of G-Quadruplex Structures: EMSA, DMS Footprinting, and DNA Polymerase Stop Assay. Methods in Molecular Biology, 2010, 608, 65-79.	0.9	107
61	A New Class of Polyintercalating Molecules. Journal of the American Chemical Society, 1997, 119, 7202-7210.	13.7	106
62	Self-Assembly of a Quinobenzoxazine-Mg2+ Complex on DNA: A New Paradigm for the Structure of a Drug-DNA Complex and Implications for the Structure of the Quinolone Bacterial Gyrase-DNA Complex. Journal of Medicinal Chemistry, 1995, 38, 408-424.	6.4	104
63	Anticancer Activity and Cellular Repression of c-MYC by the G-Quadruplex-Stabilizing 11-Piperazinylquindoline Is Not Dependent on Direct Targeting of the G-Quadruplex in the c-MYC Promoter. Journal of Medicinal Chemistry, 2012, 55, 6076-6086.	6.4	100
64	NM23-H2 may play an indirect role in transcriptional activation of c-myc gene expression but does not cleave the nuclease hypersensitive element III1. Molecular Cancer Therapeutics, 2009, 8, 1363-1377.	4.1	97
65	A Mechanosensor Mechanism Controls the G-Quadruplex/i-Motif Molecular Switch in the MYC Promoter NHE III₁. Journal of the American Chemical Society, 2016, 138, 14138-14151.	13.7	96
66	A Pharmacological Chaperone Molecule Induces Cancer Cell Death by Restoring Tertiary DNA Structures in Mutant hTERT Promoters. Journal of the American Chemical Society, 2016, 138, 13673-13692.	13.7	91
67	Structure of a Covalent DNA Minor Groove Adduct with a Pyrrolobenzodiazepine Dimer: Evidence for Sequence-Specific Interstrand Crosslinking. Journal of Medicinal Chemistry, 1994, 37, 4529-4537.	6.4	87
68	Differential Rates of Reversibility of Ecteinascidin 743â^'DNA Covalent Adducts from Different Sequences Lead to Migration to Favored Bonding Sites. Journal of the American Chemical Society, 2001, 123, 6485-6495.	13.7	80
69	NMR-Based Model of an Ecteinascidin 743â^'DNA Adduct. Journal of the American Chemical Society, 1997, 119, 5475-5476.	13.7	79
70	Identification of a lead small-molecule inhibitor of the Aurora kinases using a structure-assisted, fragment-based approach. Molecular Cancer Therapeutics, 2006, 5, 1764-1773.	4.1	79
71	Altromycin B Threads the DNA Helix Interacting with Both the Major and the Minor Grooves To Position Itself for Site-Directed Alkylation and Guanine N7. Journal of the American Chemical Society, 1995, 117, 2421-2429.	13.7	78
72	The Consequences of Overlapping G-Quadruplexes and i-Motifs in the Platelet-Derived Growth Factor Receptor Î² Core Promoter Nuclease Hypersensitive Element Can Explain the Unexpected Effects of Mutations and Provide Opportunities for Selective Targeting of Both Structures by Small Molecules To Downregulate Gene Expression. Journal of the American Chemical Society, 2017, 139, 7456-7475.	13.7	77

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73	The cationic porphyrin TMPyP4 destabilizes the tetraplex form of the fragile X syndrome expanded sequence d(CGG)n. Nucleic Acids Research, 2003, 31, 3963-3970.	14.5	74
74	DNA G-Quadruplex and i-Motif Structure Formation Is Interdependent in Human Cells. Journal of the American Chemical Society, 2020, 142, 20600-20604.	13.7	74
75	Dietary Administration of the Proapoptotic Vitamin E Analogue Î±-Tocopheryloxyacetic Acid Inhibits Metastatic Murine Breast Cancer. Cancer Research, 2006, 66, 9374-9378.	0.9	72
76	Molecular Cloning of the Human Platelet-Derived Growth Factor Receptor Î² (PDGFR-Î²) Promoter and Drug Targeting of the G-Quadruplex-Forming Region To Repress PDGFR-Î² Expression. Biochemistry, 2010, 49, 4208-4219.	2.5	71
77	Tertiary DNA Structure in the Single-Stranded hTERT Promoter Fragment Unfolds and Refolds by Parallel Pathways via Cooperative or Sequential Events. Journal of the American Chemical Society, 2012, 134, 5157-5164.	13.7	71
78	Telomere maintenance mechanisms as a target for drug development. Oncogene, 2000, 19, 6632-6641.	5.9	70
79	Telomerase inhibition and cell growth arrest by G-quadruplex interactive agent in multiple myeloma. Molecular Cancer Therapeutics, 2003, 2, 825-33.	4.1	70
80	Thermally Induced DNAÂ·RNA Hybrid to G-Quadruplex Transitions:â€‰ Possible Implications for Telomere Synthesis by Telomerase. Biochemistry, 1996, 35, 16110-16115.	2.5	69
81	The inefficiency of incisions of ecteinascidin 743â€“DNA adducts by the UvrABC nuclease and the unique structural feature of the DNA adducts can be used to explain the repair-dependent toxicities of this antitumor agent. Chemistry and Biology, 2001, 8, 1033-1049.	6.0	69
82	DNA as a target for drug action. Trends in Pharmacological Sciences, 1988, 9, 402-407.	8.7	68
83	I-Motif Structures Formed in the Human c-MYC Promoter Are Highly Dynamicâ€“Insights into Sequence Redundancy and I-Motif Stability. PLoS ONE, 2010, 5, e11647.	2.5	68
84	Mechanism for the Catalytic Activation of Ecteinascidin 743 and Its Subsequent Alkylation of Guanine N2. Journal of the American Chemical Society, 1998, 120, 2490-2491.	13.7	66
85	Molecular Basis for the DNA Sequence Selectivity of Ecteinascidin 736 and 743:Â Evidence for the Dominant Role of Direct Readout via Hydrogen Bonding. Journal of the American Chemical Society, 1998, 120, 13028-13041.	13.7	66
86	The role of G-quadruplex/i-motif secondary structures as cis-acting regulatory elements. Pure and Applied Chemistry, 2010, 82, 1609-1621.	1.9	64
87	Specific G-quadruplex ligands modulate the alternative splicing of Bcl-X. Nucleic Acids Research, 2018, 46, 886-896.	14.5	64
88	The Major G-Quadruplex Formed in the Human Platelet-Derived Growth Factor Receptor Î² Promoter Adopts a Novel Broken-Strand Structure in K⁺ Solution. Journal of the American Chemical Society, 2012, 134, 13220-13223.	13.7	63
89	Pyrrolo(l ,4)benzodiazepine Antitumor Antibiotics: Chemistry, Interaction with DNA, and Biological Implications. Pharmaceutical Research, 1984, 01, 52-59.	3.5	61
90	Identification of G-quadruplexes in long functional RNAs using 7-deazaguanine RNA. Nature Chemical Biology, 2017, 13, 18-20.	8.0	59

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91	Molecular struggle for transcriptional control. Nature Medicine, 1995, 1, 525-527.	30.7	58
92	Molecular Basis for the DNA Sequence Specificity of the Pluramycins. A Novel Mechanism Involving Groove Interactions Transmitted through the Helix via Intercalation To Achieve Sequence Selectivity at the Covalent Bonding Step. Journal of the American Chemical Society, 1995, 117, 2430-2440.	13.7	56
93	Design, Synthesis, and Biological Evaluation of a Series of Fluoroquinoanthroxazines with Contrasting Dual Mechanisms of Action against Topoisomerase II and G-Quadruplexes. Journal of Medicinal Chemistry, 2003, 46, 571-583.	6.4	56
94	Elucidation and formulation of novel biosynthetic pathways leading to the pyrrolo[1,4]benzodiazepine antibiotics anthramycin, tomaymycin, and sibiromycin. Accounts of Chemical Research, 1980, 13, 263-269.	15.6	55
95	Mutations in the G-quadruplex silencer element and their relationship to c-MYC overexpression, NM23 repression, and therapeutic rescue. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 6140-6145.	7.1	52
96	Biosynthesis of the lincomycins. 1. Studies using stable isotopes on the biosynthesis of the propyl- and ethyl-L-hygric acid moieties of lincomycins A and B. Journal of the American Chemical Society, 1984, 106, 7873-7878.	13.7	51
97	Determination of the structural features of (+)-CC-1065 that are responsible for bending and winding of DNA. Chemical Research in Toxicology, 1991, 4, 203-213.	3.3	51
98	Hedamycin intercalates the DNA helix and, through carbohydrate-mediated recognition in the minor groove, directs N7-alkylation of guanine in the major groove in a sequence-specific manner. Chemistry and Biology, 1995, 2, 229-240.	6.0	49
99	Characterization of Novel Diaryl Oxazole-Based Compounds as Potential Agents to Treat Pancreatic Cancer. Journal of Pharmacology and Experimental Therapeutics, 2009, 331, 636-647.	2.5	49
100	UA62784, a novel inhibitor of centromere protein E kinesin-like protein. Molecular Cancer Therapeutics, 2009, 8, 36-44.	4.1	48
101	Comparison of a DSB-120 DNA Interstrand Cross-Linked Adduct with the Corresponding Bis-tomaymycin Adduct: An Example of a Successful Template-Directed Approach to Drug Design Based upon the Monoalkylating Compound Tomaymycin. Journal of Medicinal Chemistry, 1994, 37, 3132-3140.	6.4	47
102	Molecular Details of the Structure of a Psorosperminâ^'DNA Covalent/Intercalation Complex and Associated DNA Sequence Selectivity. Journal of the American Chemical Society, 1996, 118, 5553-5561.	13.7	47
103	Application of a novel [3+2] cycloaddition reaction to prepare substituted imidazoles and their use in the design of potent DFG-out allosteric B-Raf inhibitors. Bioorganic and Medicinal Chemistry, 2010, 18, 292-304.	3.0	47
104	Identification of a novel inhibitor of urokinase-type plasminogen activator. Molecular Cancer Therapeutics, 2007, 6, 1348-1356.	4.1	46
105	HMGB1 binds to the KRAS promoter G-quadruplex: a new player in oncogene transcriptional regulation?. Chemical Communications, 2018, 54, 9442-9445.	4.1	46
106	Biosynthesis of the lincomycins. 2. Studies using stable isotopes on the biosynthesis of methylthiolincosaminide moiety of lincomycin A. Journal of the American Chemical Society, 1984, 106, 7878-7883.	13.7	43
107	Design and Synthesis of a Novel DNAâ^'DNA Interstrand Adenineâ^'Guanine Cross-Linking Agent. Journal of the American Chemical Society, 2001, 123, 4865-4866.	13.7	43
108	Template-directed design of a DNA-DNA crosslinker based upon a bis-tomaymycin-duplex adduct. Journal of Medicinal Chemistry, 1992, 35, 2995-3002.	6.4	41

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109	Small-Molecule-Targeting Hairpin Loop of hTERT Promoter G-Quadruplex Induces Cancer Cell Death. Cell Chemical Biology, 2019, 26, 1110-1121.e4.	5.2	41
110	Telomerase Assay Using Biotinylated-Primer Extension and Magnetic Separation of the Products. BioTechniques, 1998, 25, 1046-1051.	1.8	40
111	Interaction of Individual Structural Domains of hnRNP LL with the BCL2 Promoter i-Motif DNA. Journal of the American Chemical Society, 2016, 138, 10950-10962.	13.7	40
112	A Direct and Nondestructive Approach To Determine the Folding Structure of the I-Motif DNA Secondary Structure by NMR. Journal of the American Chemical Society, 2009, 131, 6102-6104.	13.7	39
113	(+)-CC-1065 produces bending of DNA that appears to resemble adenine/thymine tracts. Chemical Research in Toxicology, 1991, 4, 21-26.	3.3	38
114	Comparing Aurora A and Aurora B as molecular targets for growth inhibition of pancreatic cancer cells. Molecular Cancer Therapeutics, 2006, 5, 2450-2458.	4.1	38
115	Biosynthesis of anthramycin. Determination of the labeling pattern by the use of radioactive and stable isotope techniques. Journal of the American Chemical Society, 1975, 97, 4372-4378.	13.7	35
116	Design, Synthesis, and Evaluation of Psorospermin/Quinobenzoxazine Hybrids as Structurally Novel Antitumor Agents. Journal of Medicinal Chemistry, 2003, 46, 2958-2972.	6.4	35
117	Conformationally Restricted Analogues of Psorospermin:Â Design, Synthesis, and Bioactivity of Natural-Product-Related Bisfuranoxanthones. Journal of Medicinal Chemistry, 2005, 48, 2993-3004.	6.4	35
118	One- and two-dimensional proton NMR, fluorescence and molecular modeling studies on the tomaymycin-d(ATGCAT)2 adduct. Evidence for two covalent adducts with opposite orientations and stereochemistries at the covalent linkage site. Journal of Medicinal Chemistry, 1988, 31, 583-590.	6.4	34
119	Analysis of the monoalkylation and cross-linking sequence specificity of bizelesin, a bifunctional alkylation agent related to (+)-CC-1065. Journal of the American Chemical Society, 1993, 115, 5925-5933.	13.7	33
120	Molecular modeling and biophysical analysis of the c-MYC NHE-III1 silencer element. Journal of Molecular Modeling, 2008, 14, 93-101.	1.8	33
121	Molecular population dynamics of DNA structures in a bcl-2 promoter sequence is regulated by small molecules and the transcription factor hnRNP LL. Nucleic Acids Research, 2014, 42, 5755-5764.	14.5	33
122	Characterization of an adduct between CC-1065 and a defined oligodeoxynucleotide duplex. Nucleic Acids Research, 1984, 12, 6159-6168.	14.5	32
123	Synthesis and biochemical evaluation of the CBI-PDE-I-dimer, a benzannelated analog of (+)-CC-1065 that also produces delayed toxicity in mice. Journal of Medicinal Chemistry, 1993, 36, 1956-1963.	6.4	32
124	Design of New Topoisomerase II Inhibitors Based upon a Quinobenzoxazine Self-Assembly Model. Journal of Medicinal Chemistry, 1998, 41, 4273-4278.	6.4	32
125	Characterization of the structure of the anthramycin-d(ATGCAT)2 adduct by NMR and molecular modeling studies. Determination of the stereochemistry of the covalent linkage site, orientation in the minor groove of DNA, and effect on local DNA structure. Journal of the American Chemical Society, 1990, 112, 3279-3289.	13.7	30
126	Characterization of a 12-mer duplex d(GGCGGAGTTAGG).cntdot.d(CCTAACTCCGCC) containing a highly reactive (+)-CC-1065 sequence by proton and phosphorus-31 NMR, hydroxyl-radical footprinting, and NOESY restrained molecular dynamics calculations. Chemical Research in Toxicology, 1992, 5, 167-182.	3.3	30

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127	Topoisomerase II Site-directed Alkylation of DNA by Psorospermin and Its Effect on Topoisomerase II-mediated DNA Cleavage. Journal of Biological Chemistry, 1998, 273, 33020-33026.	3.4	30
128	Simultaneous Drug Targeting of the Promoter MYC G-Quadruplex and BCL2 i-Motif in Diffuse Large B-Cell Lymphoma Delays Tumor Growth. Journal of Medicinal Chemistry, 2017, 60, 6587-6597.	6.4	30
129	DNA G-quadruplexes, telomere-specific proteins and telomere-associated enzymes as potential targets for new anticancer drugs. Investigational New Drugs, 2000, 18, 123-137.	2.6	28
130	Structure-activity relationships of (+)-CC-1065 analogs in the inhibition of helicase-catalyzed unwinding of duplex DNA. Journal of Medicinal Chemistry, 1992, 35, 1773-1782.	6.4	27
131	Solution Conformation of a Bizelesin A-tract Duplex Adduct: DNAâ€“DNA Cross-linking of an A-tract Straightens Out Bent DNA. Journal of Molecular Biology, 1995, 252, 86-101.	4.2	27
132	Evidence for the Formation of 2:2 Drugâ^'Mg2+Dimers in Solution and for the Formation of Dimeric Drug Complexes on DNA from the DNA-Accelerated Photochemical Reaction of Antineoplastic Quinobenzoxazines. Journal of the American Chemical Society, 1996, 118, 7040-7048.	13.7	27
133	Scavenging of Labile Heme by Hemopexin Is a Key Checkpoint in Cancer Growth and Metastases. Cell Reports, 2020, 32, 108181.	6.4	27
134	Biosynthesis of the antitumor antibiotic CC-1065 by Streptomyces zelensis.. Journal of Antibiotics, 1983, 36, 383-390.	2.0	25
135	Orally active Î±-tocopheryloxyacetic acid suppresses tumor growth and multiplicity of spontaneous murine breast cancer. Molecular Cancer Therapeutics, 2009, 8, 1570-1578.	4.1	25
136	TBP binding to the TATA box induces a specific downstream unwinding site that is targeted by pluramycin. Chemistry and Biology, 1995, 2, 457-469.	6.0	24
137	Structural Insight into a Quinolone-Topoisomerase II-DNA Complex. Journal of Biological Chemistry, 1999, 274, 17226-17235.	3.4	24
138	(+)-CC-1065 as a structural probe of Mu transposase-induced bending of DNA: overcoming limitations of hydroxyl-radical footprinting. Nucleic Acids Research, 1993, 21, 4281-4287.	14.5	22
139	Stereochemical aspects of the biosynthesis of spectinomycin. Journal of the American Chemical Society, 1980, 102, 6817-6820.	13.7	21
140	Determination of the importance of the stereochemistry of psorospermin in topoisomerase IIâ€“induced alkylation of DNA and in vitro and in vivo biological activity. Molecular Cancer Therapeutics, 2005, 4, 1729-1739.	4.1	20
141	Modulating the Functional Contributions of c-Myc to the Human Endothelial Cell Cyclic Strain Response. Journal of Vascular Research, 2010, 47, 80-90.	1.4	20
142	Visualizing the quadruplex. Nature Chemistry, 2013, 5, 153-155.	13.6	20
143	Limitations and factors affecting the lactam reduction approach to the synthesis of anthramycin analogs. Tetrahedron Letters, 1984, 25, 2649-2652.	1.4	19
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