

Danzhou Yang

List of Publications by Year in descending order

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88
papers

8,093
citations

76326

40
h-index

49909

87
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90
all docs

90
docs citations

90
times ranked

4910
citing authors

#	ARTICLE	IF	CITATIONS
1	Human telomeric sequence forms a hybrid-type intramolecular G-quadruplex structure with mixed parallel/antiparallel strands in potassium solution. <i>Nucleic Acids Research</i> , 2006, 34, 2723-2735.	14.5	1,008
2	Solution Structure of the Biologically Relevant G-Quadruplex Element in the Human c-MYC Promoter. Implications for G-Quadruplex Stabilization. <i>Biochemistry</i> , 2005, 44, 2048-2058.	2.5	565
3	Structure of the Hybrid-2 type intramolecular human telomeric G-quadruplex in K ⁺ solution: insights into structure polymorphism of the human telomeric sequence. <i>Nucleic Acids Research</i> , 2007, 35, 4927-4940.	14.5	492
4	Polymorphism of human telomeric quadruplex structures. <i>Biochimie</i> , 2008, 90, 1172-1183.	2.6	382
5	An Intramolecular G-Quadruplex Structure with Mixed Parallel/Antiparallel G-Strands Formed in the Human BCL-2 Promoter Region in Solution. <i>Journal of the American Chemical Society</i> , 2006, 128, 1096-1098.	13.7	374
6	Structure of the intramolecular human telomeric G-quadruplex in potassium solution: a novel adenine triple formation. <i>Nucleic Acids Research</i> , 2007, 35, 2440-2450.	14.5	350
7	NMR solution structure of the major G-quadruplex structure formed in the human BCL2 promoter region. <i>Nucleic Acids Research</i> , 2006, 34, 5133-5144.	14.5	323
8	Solution Structure of a 2:1 Quindoline-c-MYC G-Quadruplex: Insights into G-Quadruplex-Interactive Small Molecule Drug Design. <i>Journal of the American Chemical Society</i> , 2011, 133, 17673-17680.	13.7	313
9	Structural insights into G-quadruplexes: towards new anticancer drugs. <i>Future Medicinal Chemistry</i> , 2010, 2, 619-646.	2.3	295
10	Structure and Isomerization of an Intrastrand Cisplatin-Cross-Linked Octamer DNA Duplex by NMR Analysis. <i>Biochemistry</i> , 1995, 34, 12912-12920.	2.5	218
11	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. <i>Journal of the American Chemical Society</i> , 2014, 136, 4161-4171.	13.7	218
12	c-MYC promoter G-quadruplex formed at the 5'-end of NHE III 1 element: insights into biological relevance and parallel-stranded G-quadruplex stability. <i>Nucleic Acids Research</i> , 2011, 39, 9023-9033.	14.5	196
13	The Major G-Quadruplex Formed in the Human BCL-2 Proximal Promoter Adopts a Parallel Structure with a 13-nt Loop in K ⁺ Solution. <i>Journal of the American Chemical Society</i> , 2014, 136, 1750-1753.	13.7	161
14	Structure of a two-G-tetrad intramolecular G-quadruplex formed by a variant human telomeric sequence in K ⁺ solution: insights into the interconversion of human telomeric G-quadruplex structures. <i>Nucleic Acids Research</i> , 2010, 38, 1009-1021.	14.5	156
15	Structure of the Biologically Relevant G-Quadruplex in The c-MYC Promoter. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2006, 25, 951-968.	1.1	154
16	Solution structure of the major G-quadruplex formed in the human VEGF promoter in K ⁺ : insights into loop interactions of the parallel G-quadruplexes. <i>Nucleic Acids Research</i> , 2013, 41, 10584-10592.	14.5	148
17	Insight into the Complexity of the i-Motif and G-Quadruplex DNA Structures Formed in the KRAS Promoter and Subsequent Drug-Induced Gene Repression. <i>Journal of the American Chemical Society</i> , 2017, 139, 8522-8536.	13.7	140
18	Drug Targeting of the c-MYC Promoter to Repress Gene Expression via a G-Quadruplex Silencer Element. <i>Seminars in Oncology</i> , 2006, 33, 498-512.	2.2	115

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19	A New G-Quadruplex with Hairpin Loop Immediately Upstream of the Human BCL2 P1 Promoter Modulates Transcription. <i>Journal of the American Chemical Society</i> , 2016, 138, 2563-2570.	13.7	103
20	Human DNA polymerase kappa synthesizes DNA with extraordinarily low fidelity. <i>Nucleic Acids Research</i> , 2000, 28, 4147-4156.	14.5	98
21	Sequence, Stability, and Structure of G-Quadruplexes and Their Interactions with Drugs. <i>Current Protocols in Nucleic Acid Chemistry</i> , 2012, 50, Unit17.5.	0.5	94
22	Antitubercular Constituents of <i>Valeriana laxiflora</i> . <i>Planta Medica</i> , 2004, 70, 509-514.	1.3	85
23	Thermodynamic Stability and Folding Kinetics of the Major G-Quadruplex and Its Loop Isomers Formed in the Nuclease Hypersensitive Element in the Human c-Myc Promoter: Effect of Loops and Flanking Segments on the Stability of Parallel-Stranded Intramolecular G-Quadruplexes. <i>Biochemistry</i> , 2010, 49, 9152-9160.	2.5	85
24	DDX5 helicase resolves G-quadruplex and is involved in <i>MYC</i> gene transcriptional activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 20453-20461.	7.1	85
25	Solution structures of multiple G-quadruplex complexes induced by a platinum(II)-based tripod reveal dynamic binding. <i>Nature Communications</i> , 2018, 9, 3496.	12.8	82
26	The Consequences of Overlapping G-Quadruplexes and i-Motifs in the Platelet-Derived Growth Factor Receptor \hat{I}^2 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. <i>Journal of the American Chemical Society</i> , 2017, 139, 7456-7475.	13.7	77
27	Molecular Recognition of the Hybrid \hat{I}^2 Human Telomeric G-Quadruplex by Epiberberine: Insights into Conversion of Telomeric G-Quadruplex Structures. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 10888-10893.	13.8	74
28	DNA Interactions of Two Clinical Camptothecin Drugs Stabilize Their Active Lactone Forms. <i>Journal of the American Chemical Society</i> , 1998, 120, 2979-2980.	13.7	72
29	Novel DNA Bis-intercalation by MLN944, a Potent Clinical Bisphenazine Anticancer Drug. <i>Journal of Biological Chemistry</i> , 2004, 279, 46096-46103.	3.4	69
30	I-Motif Structures Formed in the Human c-MYC Promoter Are Highly Dynamic—Insights into Sequence Redundancy and I-Motif Stability. <i>PLoS ONE</i> , 2010, 5, e11647.	2.5	68
31	Indenoisoquinoline Topoisomerase Inhibitors Strongly Bind and Stabilize the <i>MYC</i> Promoter G-Quadruplex and Downregulate <i>MYC</i> . <i>Journal of the American Chemical Society</i> , 2019, 141, 11059-11070.	13.7	66
32	Quartets in G-major. <i>EMBO Reports</i> , 2007, 8, 1003-1010.	4.5	63
33	The Major G-Quadruplex Formed in the Human Platelet-Derived Growth Factor Receptor \hat{I}^2 Promoter Adopts a Novel Broken-Strand Structure in K ⁺ Solution. <i>Journal of the American Chemical Society</i> , 2012, 134, 13220-13223.	13.7	63
34	DNA G-quadruplex and its potential as anticancer drug target. <i>Science China Chemistry</i> , 2014, 57, 1605-1614.	8.2	59
35	A novel DNA structure induced by the anticancer bisplatinum compound crosslinked to a GpC site in DNA. <i>Nature Structural Biology</i> , 1995, 2, 577-586.	9.7	56
36	Structural studies of interactions between anticancer platinum drugs and DNA. <i>Progress in Biophysics and Molecular Biology</i> , 1996, 66, 81-111.	2.9	56

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37	Selective Lighting Up of Epiberberine Alkaloid Fluorescence by Fluorophore-Switching Aptamer and Stoichiometric Targeting of Human Telomeric DNA G-Quadruplex Multimer. <i>Analytical Chemistry</i> , 2015, 87, 730-737.	6.5	51
38	Structure-Dependent Binding of hnRNPA1 to Telomere RNA. <i>Journal of the American Chemical Society</i> , 2017, 139, 7533-7539.	13.7	48
39	G-Quadruplex in the NRF2 mRNA 5' Untranslated Region Regulates <i>De Novo</i> NRF2 Protein Translation under Oxidative Stress. <i>Molecular and Cellular Biology</i> , 2017, 37, .	2.3	48
40	A Series of \hat{I}^2 -Carboline Alkaloids from the Seeds of <i>Peganum harmala</i> Show G-Quadruplex Interactions. <i>Organic Letters</i> , 2016, 18, 3398-3401.	4.6	44
41	Structural recognition of the <i>MYC</i> promoter G-quadruplex by a quinoline derivative: insights into molecular targeting of parallel G-quadruplexes. <i>Nucleic Acids Research</i> , 2021, 49, 5905-5915.	14.5	44
42	Structurally Diverse Alkaloids from the Seeds of <i>Peganum harmala</i> . <i>Journal of Natural Products</i> , 2017, 80, 551-559.	3.0	41
43	PDGFR- \hat{I}^2 Promoter Forms a Vacancy G-Quadruplex that Can Be Filled in by dGMP: Solution Structure and Molecular Recognition of Guanine Metabolites and Drugs. <i>Journal of the American Chemical Society</i> , 2020, 142, 5204-5211.	13.7	40
44	A Direct and Nondestructive Approach To Determine the Folding Structure of the I-Motif DNA Secondary Structure by NMR. <i>Journal of the American Chemical Society</i> , 2009, 131, 6102-6104.	13.7	39
45	Custom DNA Microarrays Reveal Diverse Binding Preferences of Proteins and Small Molecules to Thousands of G-Quadruplexes. <i>ACS Chemical Biology</i> , 2020, 15, 925-935.	3.4	39
46	Human Telomeric G-Quadruplex Structures and G-Quadruplex-Interactive Compounds. <i>Methods in Molecular Biology</i> , 2017, 1587, 171-196.	0.9	38
47	Structure by NMR of Antitumor Drugs Aclacinomycin A and B Complexed to d(CGTACG). <i>Biochemistry</i> , 1994, 33, 6595-6604.	2.5	36
48	G-Quadruplex DNA and RNA. <i>Methods in Molecular Biology</i> , 2019, 2035, 1-24.	0.9	35
49	Structures of 1:1 and 2:1 complexes of BMVC and MYC promoter G-quadruplex reveal a mechanism of ligand conformation adjustment for G4-recognition. <i>Nucleic Acids Research</i> , 2019, 47, 11931-11942.	14.5	35
50	Resolving the Ligand-Binding Specificity in c-MYC G-Quadruplex DNA: Absolute Binding Free Energy Calculations and SPR Experiment. <i>Journal of Physical Chemistry B</i> , 2017, 121, 10484-10497.	2.6	34
51	Solution Structure of a <i>MYC</i> Promoter G-Quadruplex with 1:6:1 Loop Length. <i>ACS Omega</i> , 2019, 4, 2533-2539.	3.5	33
52	Diffusion-ordered nuclear magnetic resonance spectroscopy for analysis of DNA secondary structural elements. <i>Analytical Biochemistry</i> , 2007, 367, 56-67.	2.4	32
53	Fluorescence Spectral Properties of the Anticancer Drug Topotecan by Steady-State and Frequency Domain Fluorometry with One-Photon and Multi-Photon Excitation. <i>Photochemistry and Photobiology</i> , 1999, 69, 421-428.	2.5	28
54	Structural Effect of Intra-strand Cisplatin-crosslink on Palindromic DNA Sequences. <i>Journal of Biomolecular Structure and Dynamics</i> , 1996, 13, 989-998.	3.5	27

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55	XR5944: A potent inhibitor of estrogen receptors. <i>Molecular Cancer Therapeutics</i> , 2007, 6, 213-219.	4.1	24
56	Solution structure of a 2:1 complex of anticancer drug XR5944 with TFF1 estrogen response element: insights into DNA recognition by a bis-intercalator. <i>Nucleic Acids Research</i> , 2014, 42, 6012-6024.	14.5	23
57	RNA helicase DDX5 enables STAT1 mRNA translation and interferon signalling in hepatitis B virus replicating hepatocytes. <i>Gut</i> , 2022, 71, 991-1005.	12.1	23
58	Total and semisynthesis and in vitro studies of both enantiomers of 20-fluorocamptothecin. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2005, 15, 4736-4740.	2.2	22
59	High-Precision Simultaneous $^{18}\text{O}/^{16}\text{O}$, $^{13}\text{C}/^{12}\text{C}$, and $^{17}\text{O}/^{16}\text{O}$ Analyses for Microgram Quantities of CaCO_3 by Tunable Infrared Laser Absorption Spectroscopy. <i>Analytical Chemistry</i> , 2017, 89, 11846-11852.	6.5	22
60	NMR Studies of G-Quadruplex Structures and G-Quadruplex-Interactive Compounds. <i>Methods in Molecular Biology</i> , 2019, 2035, 157-176.	0.9	21
61	G-Quadruplex Structures and G-Quadruplex-Interactive Compounds. <i>Methods in Molecular Biology</i> , 2011, 735, 77-96.	0.9	21
62	Solution Structure of Ternary Complex of Berberine Bound to a dGMP-Fill-In Vacancy G-Quadruplex Formed in the PDGFR- β Promoter. <i>Journal of the American Chemical Society</i> , 2021, 143, 16549-16555.	13.7	19
63	Berberine Molecular Recognition of the Parallel MYC G-Quadruplex in Solution. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 16205-16212.	6.4	19
64	A simple method for NMR t_1 noise suppression. <i>Journal of Magnetic Resonance</i> , 2017, 276, 43-50.	2.1	18
65	Combining Alchemical Transformation with a Physical Pathway to Accelerate Absolute Binding Free Energy Calculations of Charged Ligands to Enclosed Binding Sites. <i>Journal of Chemical Theory and Computation</i> , 2020, 16, 2803-2813.	5.3	17
66	Custom G4 Microarrays Reveal Selective G-Quadruplex Recognition of Small Molecule BMVC: A Large-Scale Assessment of Ligand Binding Selectivity. <i>Molecules</i> , 2020, 25, 3465.	3.8	16
67	The tri-nucleotide spacer sequence between estrogen response element half-sites is conserved and modulates ER α -mediated transcriptional responses. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2010, 120, 172-179.	2.5	15
68	The 3'-end region of the human PDGFR- β core promoter nuclelease hypersensitive element forms a mixture of two unique end-insertion G-quadruplexes. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018, 1862, 846-854.	2.4	15
69	Molecular Recognition of the Hybrid-Type G-Quadruplexes in Human Telomeres. <i>Molecules</i> , 2019, 24, 1578.	3.8	13
70	Oxidative Damage Induces a Vacancy G-Quadruplex That Binds Guanine Metabolites: Solution Structure of a cGMP Fill-in Vacancy G-Quadruplex in the Oxidized <i>BLM</i> Gene Promoter. <i>Journal of the American Chemical Society</i> , 2022, 144, 6361-6372.	13.7	12
71	Structure and dynamics of the antitumor drugs nogalamycin and disnogalamycin complexed to d(CGTACG) $_2$: comparison of crystal and solution structures. <i>Gene</i> , 1994, 149, 179-188.	2.2	11
72	Molecular Recognition of the Hybrid Human Telomeric G-Quadruplex by Epiberberine: Insights into Conversion of Telomeric G-Quadruplex Structures. <i>Angewandte Chemie</i> , 2018, 130, 11054-11059.	2.0	11

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73	Evaluating Molecular Docking Software for Small Molecule Binding to G-Quadruplex DNA. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10801.	4.1	11
74	Therapeutic Targets and Drugs II: G-Quadruplex and G-Quadruplex Inhibitors. , 2009, , 251-280.		10
75	Gaining Insights into the Small Molecule Targeting of the G-Quadruplex in the c-MYC Promoter Using NMR and an Allele-Specific Transcriptional Assay. <i>Topics in Current Chemistry</i> , 2012, 330, 1-21.	4.0	10
76	Ligand Selectivity in the Recognition of Protoberberine Alkaloids by Hybrid-2 Human Telomeric G-Quadruplex: Binding Free Energy Calculation, Fluorescence Binding, and NMR Experiments. <i>Molecules</i> , 2019, 24, 1574.	3.8	10
77	Pulsed Terahertz Radiation for Sensitive Quantification of Carbonate Minerals. <i>ACS Omega</i> , 2019, 4, 2702-2707.	3.5	10
78	DNA Recognition by a Novel Bis-Intercalator, Potent Anticancer Drug XR5944. <i>Current Topics in Medicinal Chemistry</i> , 2015, 15, 1385-1397.	2.1	9
79	Structural effects of the C2-methylhypoxanthine:cytosine base pair in B-DNA: A combined NMR and x-ray diffraction study of d(CGC[m2l]AATTCGCG). <i>Biochemistry</i> , 1993, 32, 8672-8681.	2.5	8
80	Novel DNA Bis-Intercalator XR5944 as a Potent Anticancer Drug—Design and Mechanism of Action. <i>Molecules</i> , 2021, 26, 4132.	3.8	8
81	Intercalation of XR5944 with the estrogen response element is modulated by the tri-nucleotide spacer sequence between half-sites. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2011, 124, 121-127.	2.5	7
82	High-Throughput Screening of G-Quadruplex Ligands by FRET Assay. <i>Methods in Molecular Biology</i> , 2019, 2035, 323-331.	0.9	7
83	Electrophoretic Mobility Shift Assay and Dimethyl Sulfate Footprinting for Characterization of G-Quadruplexes and G-Quadruplex-Protein Complexes. <i>Methods in Molecular Biology</i> , 2019, 2035, 201-222.	0.9	6
84	Human topoisomerase I C-terminal domain fragment containing the active site tyrosine is a molten globule: Implication for the formation of competent productive complex. <i>Journal of Structural Biology</i> , 2007, 159, 111-121.	2.8	5
85	Subnanomolar Sensitive Stable Isotopic Determination in CO ₂ by Tunable Infrared Laser Absorption Spectroscopy. <i>Analytical Chemistry</i> , 2022, 94, 6446-6450.	6.5	5
86	Matrix-assisted laser desorption/ionization time-of-flight mass spectrometry protocol for monitoring the progress of enzymatic ¹³ C/ ¹⁵ N-labeled DNA syntheses. <i>Analytical Biochemistry</i> , 2005, 342, 246-253.	2.4	4
87	Editorial: NAR Cancer and epigenetics and cancer. <i>NAR Cancer</i> , 2022, 4, zcac003.	3.1	1
88	DNA sequence selectivity of human topoisomerase I-mediated DNA cleavage induced by camptothecin. <i>Protein Science</i> , 2009, 18, 1326-1331.	7.6	0