Danzhou Yang

List of Publications by Year
in descending order

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88	8,093	87401	56606
papers	citations	40 h-index	87 g-index

90	90	90	5425
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	RNA helicase DDX5 enables STAT1 mRNA translation and interferon signalling in hepatitis B virus replicating hepatocytes. Gut, 2022, 71, 991-1005.	6.1	23
2	Editorial: NAR Cancer and epigenetics and cancer. NAR Cancer, 2022, 4, zcac003.	1.6	1
3	Oxidative Damage Induces a Vacancy G-Quadruplex That Binds Guanine Metabolites: Solution Structure of a cGMP Fill-in Vacancy G-Quadruplex in the Oxidized BLM Gene Promoter. Journal of the American Chemical Society, 2022, 144, 6361-6372.	6.6	12
4	Subnanomolar Sensitive Stable Isotopic Determination in CO₂ by Tunable Infrared Laser Absorption Spectroscopy. Analytical Chemistry, 2022, 94, 6446-6450.	3.2	5
5	Structural recognition of the MYC promoter G-quadruplex by a quinoline derivative: insights into molecular targeting of parallel G-quadruplexes. Nucleic Acids Research, 2021, 49, 5905-5915.	6.5	44
6	Novel DNA Bis-Intercalator XR5944 as a Potent Anticancer Drugâ€"Design and Mechanism of Action. Molecules, 2021, 26, 4132.	1.7	8
7	Solution Structure of Ternary Complex of Berberine Bound to a dGMPâ€"Fill-In Vacancy G-Quadruplex Formed in the PDGFR-Î² Promoter. Journal of the American Chemical Society, 2021, 143, 16549-16555.	6.6	19
8	Evaluating Molecular Docking Software for Small Molecule Binding to G-Quadruplex DNA. International Journal of Molecular Sciences, 2021, 22, 10801.	1.8	11
9	Berberine Molecular Recognition of the Parallel MYC G-Quadruplex in Solution. Journal of Medicinal Chemistry, 2021, 64, 16205-16212.	2.9	19
10	Custom G4 Microarrays Reveal Selective G-Quadruplex Recognition of Small Molecule BMVC: A Large-Scale Assessment of Ligand Binding Selectivity. Molecules, 2020, 25, 3465.	1.7	16
11	Custom DNA Microarrays Reveal Diverse Binding Preferences of Proteins and Small Molecules to Thousands of G-Quadruplexes. ACS Chemical Biology, 2020, 15, 925-935.	1.6	39
12	Combining Alchemical Transformation with a Physical Pathway to Accelerate Absolute Binding Free Energy Calculations of Charged Ligands to Enclosed Binding Sites. Journal of Chemical Theory and Computation, 2020, 16, 2803-2813.	2.3	17
13	PDGFR-Î² Promoter Forms a Vacancy G-Quadruplex that Can Be Filled in by dGMP: Solution Structure and Molecular Recognition of Guanine Metabolites and Drugs. Journal of the American Chemical Society, 2020, 142, 5204-5211.	6.6	40
14	Electrophoretic Mobility Shift Assay and Dimethyl Sulfate Footprinting for Characterization of G-Quadruplexes and G-Quadruplex-Protein Complexes. Methods in Molecular Biology, 2019, 2035, 201-222.	0.4	6
15	High-Throughput Screening of G-Quadruplex Ligands by FRET Assay. Methods in Molecular Biology, 2019, 2035, 323-331.	0.4	7
16	G-Quadruplex DNA and RNA. Methods in Molecular Biology, 2019, 2035, 1-24.	0.4	35
17	NMR Studies of G-Quadruplex Structures and G-Quadruplex-Interactive Compounds. Methods in Molecular Biology, 2019, 2035, 157-176.	0.4	21
18	DDX5 helicase resolves G-quadruplex and is involved in MYC gene transcriptional activation. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 20453-20461.	3.3	85

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19	Indenoisoquinoline Topoisomerase Inhibitors Strongly Bind and Stabilize the MYC Promoter G-Quadruplex and Downregulate MYC. Journal of the American Chemical Society, 2019, 141, 11059-11070.	6.6	66
20	Molecular Recognition of the Hybrid-Type G-Quadruplexes in Human Telomeres. Molecules, 2019, 24, 1578.	1.7	13
21	Ligand Selectivity in the Recognition of Protoberberine Alkaloids by Hybrid-2 Human Telomeric G-Quadruplex: Binding Free Energy Calculation, Fluorescence Binding, and NMR Experiments. Molecules, 2019, 24, 1574.	1.7	10
22	Pulsed Terahertz Radiation for Sensitive Quantification of Carbonate Minerals. ACS Omega, 2019, 4, 2702-2707.	1.6	10
23	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. Nucleic Acids Research, 2019, 47, 11931-11942.	6.5	35
24	Solution Structure of a MYC Promoter G-Quadruplex with 1:6:1 Loop Length. ACS Omega, 2019, 4, 2533-2539.	1.6	33
25	The 3â€²-end region of the human PDGFR-Î² core promoter nuclease hypersensitive element forms a mixture of two unique end-insertion G-quadruplexes. Biochimica Et Biophysica Acta - General Subjects, 2018, 1862, 846-854.	1.1	15
26	Solution structures of multiple G-quadruplex complexes induced by a platinum(II)-based tripod reveal dynamic binding. Nature Communications, 2018, 9, 3496.	5.8	82
27	Molecular Recognition of the Hybridâ€2 Human Telomeric Gâ€Quadruplex by Epiberberine: Insights into Conversion of Telomeric Gâ€Quadruplex Structures. Angewandte Chemie - International Edition, 2018, 57, 10888-10893.	7.2	74
28	Molecular Recognition of the Hybridâ€2 Human Telomeric Gâ€Quadruplex by Epiberberine: Insights into Conversion of Telomeric Gâ€Quadruplex Structures. Angewandte Chemie, 2018, 130, 11054-11059.	1.6	11
29	Structurally Diverse Alkaloids from the Seeds of Peganum harmala. Journal of Natural Products, 2017, 80, 551-559.	1.5	41
30	Structure-Dependent Binding of hnRNPA1 to Telomere RNA. Journal of the American Chemical Society, 2017, 139, 7533-7539.	6.6	48
31	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.	6.6	77
32	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.	6.6	140
33	Human Telomeric G-Quadruplex Structures and G-Quadruplex-Interactive Compounds. Methods in Molecular Biology, 2017, 1587, 171-196.	0.4	38
34	A simple method for NMR t1 noise suppression. Journal of Magnetic Resonance, 2017, 276, 43-50.	1.2	18
35	Resolving the Ligand-Binding Specificity in c-MYC G-Quadruplex DNA: Absolute Binding Free Energy Calculations and SPR Experiment. Journal of Physical Chemistry B, 2017, 121, 10484-10497.	1.2	34
36	High-Precision Simultaneous ¹⁸O/¹⁶O, ¹³C/¹²C, and ¹⁷O/¹⁶O Analyses for Microgram Quantities of CaCO₃ by Tunable Infrared Laser Absorption Spectroscopy. Analytical Chemistry, 2017, 89, 11846-11852.	3.2	22

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37	G-Quadruplex in the NRF2 mRNA 5â€² Untranslated Region Regulates De Novo NRF2 Protein Translation under Oxidative Stress. Molecular and Cellular Biology, 2017, 37, .	1.1	48
38	A Series of Î²-Carboline Alkaloids from the Seeds of Peganum harmala Show G-Quadruplex Interactions. Organic Letters, 2016, 18, 3398-3401.	2.4	44
39	A New G-Quadruplex with Hairpin Loop Immediately Upstream of the Human BCL2 P1 Promoter Modulates Transcription. Journal of the American Chemical Society, 2016, 138, 2563-2570.	6.6	103
40	Selective Lighting Up of Epiberberine Alkaloid Fluorescence by Fluorophore-Switching Aptamer and Stoichiometric Targeting of Human Telomeric DNA G-Quadruplex Multimer. Analytical Chemistry, 2015, 87, 730-737.	3.2	51
41	DNA Recognition by a Novel Bis-Intercalator, Potent Anticancer Drug XR5944. Current Topics in Medicinal Chemistry, 2015, 15, 1385-1397.	1.0	9
42	Solution structure of a 2:1 complex of anticancer drug XR5944 with TFF1 estrogen response element: insights into DNA recognition by a bis-intercalator. Nucleic Acids Research, 2014, 42, 6012-6024.	6.5	23
43	DNA G-quadruplex and its potential as anticancer drug target. Science China Chemistry, 2014, 57, 1605-1614.	4.2	59
44	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.	6.6	218
45	The Major G-Quadruplex Formed in the Human BCL-2 Proximal Promoter Adopts a Parallel Structure with a 13-nt Loop in K⁺Solution. Journal of the American Chemical Society, 2014, 136, 1750-1753.	6.6	161
46	Solution structure of the major G-quadruplex formed in the human VEGF promoter in K+: insights into loop interactions of the parallel G-quadruplexes. Nucleic Acids Research, 2013, 41, 10584-10592.	6.5	148
47	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.	6.6	63
48	Sequence, Stability, and Structure of Gâ€Quadruplexes and Their Interactions with Drugs. Current Protocols in Nucleic Acid Chemistry, 2012, 50, Unit17.5.	0.5	94
49	Gaining Insights into the Small Molecule Targeting of the G-Quadruplex in the c-MYC Promoter Using NMR and an Allele-Specific Transcriptional Assay. Topics in Current Chemistry, 2012, 330, 1-21.	4.0	10
50	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.	6.6	313
51	Intercalation of XR5944 with the estrogen response element is modulated by the tri-nucleotide spacer sequence between half-sites. Journal of Steroid Biochemistry and Molecular Biology, 2011, 124, 121-127.	1.2	7
52	c-MYC promoter G-quadruplex formed at the 5â€²-end of NHE III 1 element: insights into biological relevance and parallel-stranded G-quadruplex stability. Nucleic Acids Research, 2011, 39, 9023-9033.	6.5	196
53	G-Quadruplex Structures and G-Quadruplex-Interactive Compounds. Methods in Molecular Biology, 2011, 735, 77-96.	0.4	21
54	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. Nucleic Acids Research, 2010, 38, 1009-1021.	6.5	156

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55	Structural insights into G-quadruplexes: towards new anticancer drugs. Future Medicinal Chemistry, 2010, 2, 619-646.	1.1	295
56	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. Biochemistry, 2010, 49, 9152-9160.	1.2	85
57	The tri-nucleotide spacer sequence between estrogen response element half-sites is conserved and modulates ERÎ±-mediated transcriptional responses. Journal of Steroid Biochemistry and Molecular Biology, 2010, 120, 172-179.	1.2	15
58	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.	1.1	68
59	Therapeutic Targets and Drugs II: G-Quadruplex and G-Quadruplex Inhibitors. , 2009, , 251-280.		10
60	DNA sequence selectivity of human topoisomerase Iâ€mediated DNA cleavage induced by camptothecin. Protein Science, 2009, 18, 1326-1331.	3.1	0
61	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.	6.6	39
62	Polymorphism of human telomeric quadruplex structures. Biochimie, 2008, 90, 1172-1183.	1.3	382
63	Structure of the intramolecular human telomeric G-quadruplex in potassium solution: a novel adenine triple formation. Nucleic Acids Research, 2007, 35, 2440-2450.	6.5	350
64	XR5944: A potent inhibitor of estrogen receptors. Molecular Cancer Therapeutics, 2007, 6, 213-219.	1.9	24
65	Human topoisomerase I C-terminal domain fragment containing the active site tyrosine is a molten globule: Implication for the formation of competent productive complex. Journal of Structural Biology, 2007, 159, 111-121.	1.3	5
66	Structure of the Hybrid-2 type intramolecular human telomeric G-quadruplex in K+ solution: insights into structure polymorphism of the human telomeric sequence. Nucleic Acids Research, 2007, 35, 4927-4940.	6.5	492
67	Diffusion-ordered nuclear magnetic resonance spectroscopy for analysis of DNA secondary structural elements. Analytical Biochemistry, 2007, 367, 56-67.	1.1	32
68	Quartets in Gâ€major. EMBO Reports, 2007, 8, 1003-1010.	2.0	63
69	Structure of the Biologically Relevant G-Quadruplex in The c-MYC Promoter. Nucleosides, Nucleotides and Nucleic Acids, 2006, 25, 951-968.	0.4	154
70	Human telomeric sequence forms a hybrid-type intramolecular G-quadruplex structure with mixed parallel/antiparallel strands in potassium solution. Nucleic Acids Research, 2006, 34, 2723-2735.	6.5	1,008
71	An Intramolecular G-Quadruplex Structure with Mixed Parallel/Antiparallel G-Strands Formed in the Human BCL-2 Promoter Region in Solution. Journal of the American Chemical Society, 2006, 128, 1096-1098.	6.6	374
72	Drug Targeting of the c-MYC Promoter to Repress Gene Expression via a G-Quadruplex Silencer Element. Seminars in Oncology, 2006, 33, 498-512.	0.8	115

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73	NMR solution structure of the major G-quadruplex structure formed in the human BCL2 promoter region. Nucleic Acids Research, 2006, 34, 5133-5144.	6.5	323
74	Matrix-assisted laser desorption/ionization time-of-flight mass spectrometry protocol for monitoring the progress of enzymatic 13C/15N-labeled DNA syntheses. Analytical Biochemistry, 2005, 342, 246-253.	1.1	4
75	Total and semisynthesis and in vitro studies of both enantiomers of 20-fluorocamptothecin. Bioorganic and Medicinal Chemistry Letters, 2005, 15, 4736-4740.	1.0	22
76	Solution Structure of the Biologically Relevant G-Quadruplex Element in the Human c-MYC Promoter. Implications for G-Quadruplex Stabilization. Biochemistry, 2005, 44, 2048-2058.	1.2	565
77	Antitubercular Constituents ofValeriana laxiflora. Planta Medica, 2004, 70, 509-514.	0.7	85
78	Novel DNA Bis-intercalation by MLN944, a Potent Clinical Bisphenazine Anticancer Drug. Journal of Biological Chemistry, 2004, 279, 46096-46103.	1.6	69
79	Human DNA polymerase kappa synthesizes DNA with extraordinarily low fidelity. Nucleic Acids Research, 2000, 28, 4147-4156.	6.5	98
80	Fluorescence Spectral Properties of the Anticancer Drug Topotecan by Steady-State and Frequency Domain Fluorometry with One-Photon and Multi-Photon Excitation. Photochemistry and Photobiology, 1999, 69, 421-428.	1.3	28
81	DNA Interactions of Two Clinical Camptothecin Drugs Stabilize Their Active Lactone Forms. Journal of the American Chemical Society, 1998, 120, 2979-2980.	6.6	72
82	Structural studies of interactions between anticancer platinum drugs and DNA. Progress in Biophysics and Molecular Biology, 1996, 66, 81-111.	1.4	56
83	Structural Effect of Intra-strand Cisplatin-crosslink on Palindromic DNA Sequences. Journal of Biomolecular Structure and Dynamics, 1996, 13, 989-998.	2.0	27
84	A novel DNA structure induced by the anticancer bisplatinum compound crosslinked to a GpC site in DNA. Nature Structural Biology, 1995, 2, 577-586.	9.7	56
85	Structure and Isomerization of an Intrastrand Cisplatin-Cross-Linked Octamer DNA Duplex by NMR Analysis. Biochemistry, 1995, 34, 12912-12920.	1.2	218
86	Structure and dynamics of the antitumor drugs nogalamycin and disnogalamycin complexed to d(CGTACG)2: comparison of crystal and solution structures. Gene, 1994, 149, 179-188.	1.0	11
87	Structure by NMR of Antitumor Drugs Aclacinomycin A and B Complexed to d(CGTACG). Biochemistry, 1994, 33, 6595-6604.	1.2	36
88	Structural effects of the C2-methylhypoxanthine:cytosine base pair in B-DNA: A combined NMR and x-ray diffraction study of d(CGC[m2I]AATTCGCG). Biochemistry, 1993, 32, 8672-8681.	1.2	8