

Jean-Louis Mergny

List of Publications by Year in descending order

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281
papers

22,493
citations

7672

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docs citations

344
times ranked

12639
citing authors

#	ARTICLE	IF	CITATIONS
1	Exploring Sequence Space to Design Controllable G-Quadruplex Topology Switches. <i>CCS Chemistry</i> , 2022, 4, 3036-3050.	4.6	6
2	Highly Sensitive Biosensing Applications of a Magnetically Immobilizable Covalent G-Quadruplex-Hemin DNAzyme Catalytic System. <i>Analytical Chemistry</i> , 2022, 94, 2212-2219.	3.2	25
3	Thiosugar naphthalene diimide conjugates: G-quadruplex ligands with antiparasitic and anticancer activity. <i>European Journal of Medicinal Chemistry</i> , 2022, 232, 114183.	2.6	10
4	Screening of Scaffolds for the Design of G-Quadruplex Ligands. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 2170.	1.3	2
5	G-quadruplexes in helminth parasites. <i>Nucleic Acids Research</i> , 2022, 50, 2719-2735.	6.5	10
6	Stabilization of a DNA aptamer by ligand binding. <i>Biochimie</i> , 2022, 200, 8-18.	1.3	10
7	Efficient Biocatalytic System for Biosensing by Combining Metal-Organic Framework (MOF)-Based Nanozymes and G-Quadruplex (G4)-DNAzymes. <i>Analytical Chemistry</i> , 2022, 94, 7295-7302.	3.2	28
8	G-quadruplex structure of the <i>C. elegans</i> telomeric repeat: a two tetrads basket type conformation stabilized by a non-canonical C-T base-pair. <i>Nucleic Acids Research</i> , 2022, 50, 7134-7146.	6.5	10
9	Going Platinum to the Tune of a Remarkable Guanine Quadruplex Binder: Solution and Solid State Investigations.. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 2500-2507.	7.2	13
10	Going Platinum to the Tune of a Remarkable Guanine Quadruplex Binder: Solution and Solid State Investigations.. <i>Angewandte Chemie</i> , 2021, 133, 2530-2537.	1.6	0
11	Human Papillomavirus G-Rich Regions as Potential Antiviral Drug Targets. <i>Nucleic Acid Therapeutics</i> , 2021, 31, 68-81.	2.0	15
12	Insights into G-Quadruplex-Hemin Dynamics Using Atomistic Simulations: Implications for Reactivity and Folding. <i>Journal of Chemical Theory and Computation</i> , 2021, 17, 1883-1899.	2.3	19
13	Effects of Sequence and Base Composition on the CD and TDS Profiles of γ -DNA. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 10295-10303.	7.2	26
14	Effects of Sequence and Base Composition on the CD and TDS Profiles of γ -DNA. <i>Angewandte Chemie</i> , 2021, 133, 10383-10391.	1.6	0
15	Thermal and pH Stabilities of γ -DNA: Confronting in vitro Experiments with Models and Cell NMR Data. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 10286-10294.	7.2	46
16	Influence of core extension and side chain nature in targeting G-quadruplex structures with perylene monoimide derivatives. <i>Bioorganic Chemistry</i> , 2021, 108, 104660.	2.0	7
17	Ligand Binding to Dynamically Populated G-Quadruplex DNA. <i>ChemBioChem</i> , 2021, 22, 1811-1817.	1.3	16
18	Thermal and pH Stabilities of γ -DNA: Confronting in vitro Experiments with Models and Cell NMR Data. <i>Angewandte Chemie</i> , 2021, 133, 10374-10382.	1.6	0

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19	Exploration of head-to-tail and head-to-head isomers of a guanine quadruplex platinum-based binder. <i>Inorganica Chimica Acta</i> , 2021, 518, 120236.	1.2	3
20	Design, synthesis, and antiproliferative effect of 2,9-bis[4-(pyridinylalkylaminomethyl)phenyl]-1,10-phenanthroline derivatives on human leukemic cells by targeting G-quadruplex. <i>Archiv Der Pharmazie</i> , 2021, 354, e2000450.	2.1	7
21	Drivers of i-DNA Formation in a Variety of Environments Revealed by Four-Dimensional UV Melting and Annealing. <i>Journal of the American Chemical Society</i> , 2021, 143, 7792-7807.	6.6	14
22	Unlocking G-Quadruplexes as Antiviral Targets. <i>Pharmacological Reviews</i> , 2021, 73, 897-923.	7.1	60
23	Targeting nucleolin by RNA G-quadruplex-forming motif. <i>Biochemical Pharmacology</i> , 2021, 189, 114418.	2.0	18
24	G-Quadruplex Formation by DNA Sequences Deficient in Guanines: Two Tetrad Parallel Quadruplexes Do Not Fold Intramolecularly. <i>Chemistry - A European Journal</i> , 2021, 27, 12115-12125.	1.7	15
25	Analyses of viral genomes for G-quadruplex forming sequences reveal their correlation with the type of infection. <i>Biochimie</i> , 2021, 186, 13-27.	1.3	33
26	SARS-CoV-2 Nsp3 unique domain SUD interacts with guanine quadruplexes and G4-ligands inhibit this interaction. <i>Nucleic Acids Research</i> , 2021, 49, 7695-7712.	6.5	43
27	The catalytic properties of DNA G-quadruplexes rely on their structural integrity. <i>Chinese Journal of Catalysis</i> , 2021, 42, 1102-1107.	6.9	2
28	A Push-Pull Mechanism Helps Design Highly Competent G-Quadruplex-DNA Catalysts. <i>CCS Chemistry</i> , 2021, 3, 2183-2193.	4.6	9
29	The beginning and the end: flanking nucleotides induce a parallel G-quadruplex topology. <i>Nucleic Acids Research</i> , 2021, 49, 9548-9559.	6.5	27
30	Nanoaggregate-forming lipid-conjugated AS1411 aptamer as a promising tumor-targeted delivery system of anticancer agents in vitro. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2021, 36, 102429.	1.7	12
31	Voltammetric studies of selected porphyrin G-quadruplex ligands and their interaction with DNA in solution and at the mercury electrode surface. <i>Electrochimica Acta</i> , 2021, 394, 139151.	2.6	2
32	The role of G-Quadruplex DNA in Paraspeckle formation in cancer. <i>Biochimie</i> , 2021, 190, 124-131.	1.3	10
33	Novel G-quadruplex prone sequences emerge in the complete assembly of the human X chromosome. <i>Biochimie</i> , 2021, 191, 87-90.	1.3	13
34	G-quadruplexes in H1N1 influenza genomes. <i>BMC Genomics</i> , 2021, 22, 77.	1.2	16
35	FRET-EMC: A fluorescence melting competition assay for studying G4 structures in vitro. <i>Biopolymers</i> , 2021, 112, e23415.	1.2	22
36	hnRNPA1/UP1 Unfolds <i>KRAS</i> G-Quadruplexes and Feeds a Regulatory Axis Controlling Gene Expression. <i>ACS Omega</i> , 2021, 6, 34092-34106.	1.6	11

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37	Portrait of a Family of Highly Stabilizing and Selective Guanine Quadruplex Platinum(II)-Based Binders.. Chemistry - A European Journal, 2021, , e202103839.	1.7	0
38	An oxidatively damaged G-quadruplex/hemin DNAzyme. Chemical Communications, 2020, 56, 1839-1842.	2.2	18
39	Design, synthesis, and antiprotozoal evaluation of new 2,4-bis[(substituted-aminomethyl)phenyl]quinoline, 1,3-bis[(substituted-aminomethyl)phenyl]isoquinoline and 2,4-bis[(substituted-aminomethyl)phenyl]quinazoline derivatives. Journal of Enzyme Inhibition and Medicinal Chemistry, 2020, 35, 432-459.	2.5	14
40	G-Quadruplexes in the Archaea Domain. Biomolecules, 2020, 10, 1349.	1.8	31
41	Composite 5-methylations of cytosines modulate i-motif stability in a sequence-specific manner: Implications for DNA nanotechnology and epigenetic regulation of plant telomeric DNA. Biochimica Et Biophysica Acta - General Subjects, 2020, 1864, 129651.	1.1	19
42	Phthalocyanines for G-quadruplex aptamers binding. Bioorganic Chemistry, 2020, 100, 103920.	2.0	34
43	Structure of two G-quadruplexes in equilibrium in the KRAS promoter. Nucleic Acids Research, 2020, 48, 9336-9345.	6.5	42
44	Triarylpyridine Compounds and Chloroquine Act in Concert to Trigger Lysosomal Membrane Permeabilization and Cell Death in Cancer Cells. Cancers, 2020, 12, 1621.	1.7	8
45	Stability of Two-Quartet G-Quadruplexes and Their Dimers in Atomistic Simulations. Journal of Chemical Theory and Computation, 2020, 16, 3447-3463.	2.3	16
46	Dual-binding conjugates of diaromatic guanidines and porphyrins for recognition of G-quadruplexes. Organic and Biomolecular Chemistry, 2020, 18, 5617-5624.	1.5	2
47	Genome wide distribution of G-quadruplexes and their impact on gene expression in malaria parasites. PLoS Genetics, 2020, 16, e1008917.	1.5	26
48	Symmetric and dissymmetric carbohydrate-phenyl ditriazole derivatives as DNA G-quadruplex ligands: Synthesis, biophysical studies and antiproliferative activity. Bioorganic Chemistry, 2020, 99, 103786.	2.0	11
49	G-quadruplex, Friend or Foe: The Role of the G-quartet in Anticancer Strategies. Trends in Molecular Medicine, 2020, 26, 848-861.	3.5	181
50	Monitoring DNA-Ligand Interactions in Living Human Cells Using NMR Spectroscopy. Journal of the American Chemical Society, 2019, 141, 13281-13285.	6.6	45
51	AS1411 derivatives as carriers of G-quadruplex ligands for cervical cancer cells. International Journal of Pharmaceutics, 2019, 568, 118511.	2.6	29
52	Involvement of G-quadruplex regions in mammalian replication origin activity. Nature Communications, 2019, 10, 3274.	5.8	120
53	TGF β -induced fibrotic stress increases G-quadruplex formation in human fibroblasts. FEBS Letters, 2019, 593, 3149-3161.	1.3	8
54	Highly active G-quadruplex/hemin DNAzyme for sensitive colorimetric determination of lead(II). Mikrochimica Acta, 2019, 186, 786.	2.5	30

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55	Characterization of G-Quadruplex Motifs in espB, espK, and cyp51 Genes of Mycobacterium tuberculosis as Potential Drug Targets. <i>Molecular Therapy - Nucleic Acids</i> , 2019, 16, 698-706.	2.3	44
56	Aptamer-based Targeted Delivery of a G-quadruplex Ligand in Cervical Cancer Cells. <i>Scientific Reports</i> , 2019, 9, 7945.	1.6	73
57	Activation of the Ataxia Telangiectasia Mutated/Autophagy pathway by a G-quadruplex ligand links senescence with apoptosis. <i>Molecular and Cellular Oncology</i> , 2019, 6, 1604047.	0.3	5
58	Mapping and characterization of G-quadruplexes in the genome of the social amoeba <i>Dictyostelium discoideum</i> . <i>Nucleic Acids Research</i> , 2019, 47, 4363-4374.	6.5	17
59	G-Quadruplex binding optimization by gold(III) insertion into the center of a porphyrin. <i>Dalton Transactions</i> , 2019, 48, 6091-6099.	1.6	14
60	G4Hunter web application: a web server for G-quadruplex prediction. <i>Bioinformatics</i> , 2019, 35, 3493-3495.	1.8	134
61	Modulation of the ATM/autophagy pathway by a G-quadruplex ligand tips the balance between senescence and apoptosis in cancer cells. <i>Nucleic Acids Research</i> , 2019, 47, 2739-2756.	6.5	50
62	DNA Quadruple Helices in Nanotechnology. <i>Chemical Reviews</i> , 2019, 119, 6290-6325.	23.0	269
63	Carbohydrate-naphthalene diimide conjugates as potential antiparasitic drugs: Synthesis, evaluation and structure-activity studies. <i>European Journal of Medicinal Chemistry</i> , 2019, 163, 54-66.	2.6	27
64	Design and Structure Determination of a Composite Zinc Finger Containing a Nonpeptide Foldamer Helical Domain. <i>Journal of the American Chemical Society</i> , 2019, 141, 2516-2525.	6.6	24
65	Evaluation of the Stability of DNA Motifs in the Nuclei of Living Mammalian Cells. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 2165-2169.	7.2	187
66	Design, synthesis, and antiprotozoal evaluation of new 2,9-bis[(substitutedaminomethyl)phenyl]-1,10-phenanthroline derivatives. <i>Chemical Biology and Drug Design</i> , 2018, 91, 974-995.	1.5	20
67	Evaluation of the Stability of DNA Motifs in the Nuclei of Living Mammalian Cells. <i>Angewandte Chemie</i> , 2018, 130, 2187-2191.	1.6	22
68	G-Quadruplex Identification in the Genome of Protozoan Parasites Points to Naphthalene Diimide Ligands as New Antiparasitic Agents. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 1231-1240.	2.9	52
69	Quadruplexes in <i>Dictyostelium</i> : crystal structure of a four-quartet G-quadruplex formed by G-rich motif found in the <i>Dictyostelium discoideum</i> genome. <i>Nucleic Acids Research</i> , 2018, 46, 5297-5307.	6.5	16
70	Phenanthroline polyazamacrocycles as G-quadruplex DNA binders. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 2776-2786.	1.5	23
71	¹ H, ¹³ C, and ¹⁵ N chemical shift assignments of a G-quadruplex forming sequence within the KRAS proto-oncogene promoter region. <i>Biomolecular NMR Assignments</i> , 2018, 12, 123-127.	0.4	10
72	Fluorescent light-up acridine orange derivatives bind and stabilize KRAS-22RT G-quadruplex. <i>Biochimie</i> , 2018, 144, 144-152.	1.3	41

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73	More is not always better: finding the right trade-off between affinity and selectivity of a G-quadruplex ligand. <i>Nucleic Acids Research</i> , 2018, 46, e115-e115.	6.5	71
74	Closing the Loop: Triazolylpyridine Coordination Drives the Self-Assembly of Metallomacrocycles with Tunable Topologies for Small-Molecule and Guanine-Quadruplex Recognition. <i>Chemistry - A European Journal</i> , 2018, 24, 18718-18734.	1.7	11
75	How Proximal Nucleobases Regulate the Catalytic Activity of G-Quadruplex/Hemin DNAzymes. <i>ACS Catalysis</i> , 2018, 8, 11352-11361.	5.5	54
76	Loop permutation affects the topology and stability of G-quadruplexes. <i>Nucleic Acids Research</i> , 2018, 46, 9264-9275.	6.5	62
77	Structural dynamics of propeller loop: towards folding of RNA G-quadruplex. <i>Nucleic Acids Research</i> , 2018, 46, 8754-8771.	6.5	29
78	RNA synthesis is modulated by G-quadruplex formation in Hepatitis C virus negative RNA strand. <i>Scientific Reports</i> , 2018, 8, 8120.	1.6	43
79	Fishing for G-Quadruplexes in Solution with a Perylene Diimide Derivative Labeled with Biotins. <i>Chemistry - A European Journal</i> , 2018, 24, 11292-11296.	1.7	13
80	Multicarbazole scaffolds for selective G-quadruplex binding. <i>Chemical Communications</i> , 2018, 54, 9647-9650.	2.2	13
81	Design, Synthesis and Biological Evaluation of New Substituted Diquinoliny-Pyridine Ligands as Anticancer Agents by Targeting G-Quadruplex. <i>Molecules</i> , 2018, 23, 81.	1.7	21
82	G-quadruplex DNA targeting alters class-switch recombination in B cells and attenuates allergic inflammation. <i>Journal of Allergy and Clinical Immunology</i> , 2018, 142, 1352-1355.	1.5	16
83	G-quadruplexes unfolding by RHAU helicase. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 1382-1388.	1.1	25
84	Design, synthesis and antimalarial activity of novel bis{N-[(pyrrolo[1,2-quinoxalin-4-yl)benzyl]-3-aminopropyl]amine derivatives. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2017, 32, 547-563.	2.5	51
85	Study of the interaction between indole-based compounds and biologically relevant G-quadruplexes. <i>Biochimie</i> , 2017, 135, 186-195.	1.3	20
86	Design, Synthesis, and Evaluation of 2,9-Bis[(substituted-aminomethyl)phenyl]-1,10-phenanthroline Derivatives as G-Quadruplex Ligands. <i>ChemMedChem</i> , 2017, 12, 146-160.	1.6	17
87	Unexpected Position-Dependent Effects of Ribose G-Quartets in G-Quadruplexes. <i>Journal of the American Chemical Society</i> , 2017, 139, 7768-7779.	6.6	30
88	Relations between the loop transposition of DNA G-quadruplex and the catalytic function of DNAzyme. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 1913-1920.	1.1	14
89	High-resolution three-dimensional NMR structure of the KRAS proto-oncogene promoter reveals key features of a G-quadruplex involved in transcriptional regulation. <i>Journal of Biological Chemistry</i> , 2017, 292, 8082-8091.	1.6	64
90	Synthesis, Binding Properties, and Differences in Cell Uptake of...G-Quadruplex Ligands Based on Carbohydrate Naphthalene Diimide Conjugates. <i>Chemistry - A European Journal</i> , 2017, 23, 2157-2164.	1.7	45

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91	NMR based model of human telomeric repeat G-quadruplex in complex with 2,4,6-triarylpyridine family ligand. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 1293-1302.	1.1	14
92	Phenanthroline-bis-oxazole ligands for binding and stabilization of G-quadruplexes. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 1281-1292.	1.1	21
93	Efficient Inhibition of Telomerase by Nickel-Salophen Complexes. <i>ChemMedChem</i> , 2016, 11, 1133-1136.	1.6	20
94	G-quadruplexes and helicases. <i>Nucleic Acids Research</i> , 2016, 44, 1989-2006.	6.5	360
95	Interaction of an Iridium(III) Complex with G-Quadruplex DNA and Its Application in Luminescent Switch-On Detection of Siglec-5. <i>Analytical Chemistry</i> , 2016, 88, 10290-10295.	3.2	51
96	A Flexible Terpyridine Derivative Interacts Specifically with G-Quadruplexes. <i>Chemistry - A European Journal</i> , 2016, 22, 12651-12654.	1.7	8
97	Investigation of the interactions between Pt(II) and Pd(II) derivatives of 5,10,15,20-tetrakis (N-methyl-4-pyridyl) porphyrin and G-quadruplex DNA. <i>Journal of Biological Inorganic Chemistry</i> , 2016, 21, 227-239.	1.1	26
98	Stabilization of novel immunoglobulin switch regions G-quadruplexes by naphthalene and quinoline-based ligands. <i>Tetrahedron</i> , 2016, 72, 1229-1237.	1.0	12
99	The exception that confirms the rule: a higher-order telomeric G-quadruplex structure more stable in sodium than in potassium. <i>Nucleic Acids Research</i> , 2016, 44, 2926-2935.	6.5	35
100	Role of Alkali Metal Ions in G-Quadruplex Nucleic Acid Structure and Stability. <i>Metal Ions in Life Sciences</i> , 2016, 16, 203-258.	2.8	129
101	Quadruplex Turncoats: Cation-Dependent Folding and Stability of Quadruplex-DNA Double Switches. <i>Journal of the American Chemical Society</i> , 2016, 138, 2780-2792.	6.6	122
102	Conjugating a groove-binding motif to an Ir(III) complex for the enhancement of G-quadruplex probe behavior. <i>Chemical Science</i> , 2016, 7, 2516-2523.	3.7	150
103	Re-evaluation of G-quadruplex propensity with G4Hunter. <i>Nucleic Acids Research</i> , 2016, 44, 1746-1759.	6.5	504
104	Reevaluation of the stability of G-quadruplex structures under crowding conditions. <i>Biochimie</i> , 2016, 121, 204-208.	1.3	30
105	Folding dynamics and conformational heterogeneity of human telomeric G-quadruplex structures in Na ⁺ solutions by single molecule FRET microscopy. <i>Nucleic Acids Research</i> , 2016, 44, 464-471.	6.5	63
106	G-Quadruplexes Light up Localized DNA Circuits. <i>Nano Letters</i> , 2016, 16, 624-628.	4.5	20
107	Highly efficient radiosensitization of human glioblastoma and lung cancer cells by a G-quadruplex DNA binding compound. <i>Scientific Reports</i> , 2015, 5, 16255.	1.6	25
108	Luminescence switch-on detection of protein tyrosine kinase-7 using a G-quadruplex-selective probe. <i>Chemical Science</i> , 2015, 6, 4284-4290.	3.7	165

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109	Label-free luminescent detection of LMP1 gene deletion using an intermolecular G-quadruplex-based switch-on probe. <i>Biosensors and Bioelectronics</i> , 2015, 70, 338-344.	5.3	21
110	Kinetics of quadruplex to duplex conversion. <i>Biochimie</i> , 2015, 118, 225-233.	1.3	19
111	Spectroscopic data for the G-quadruplex DNA to duplex DNA reaction. <i>Data in Brief</i> , 2015, 5, 822-828.	0.5	0
112	Cobalt(III)porphyrin to target G-quadruplex DNA. <i>Dalton Transactions</i> , 2015, 44, 3701-3707.	1.6	35
113	Synthesis and characterisation of nickel Schiff base complexes containing the meso-1,2-diphenylethylenediamine moiety: selective interactions with a tetramolecular DNA quadruplex. <i>Dalton Transactions</i> , 2015, 44, 3136-3150.	1.6	42
114	G-quadruplex DNA and ligand interaction in living cells using NMR spectroscopy. <i>Chemical Science</i> , 2015, 6, 3314-3320.	3.7	87
115	Assessment of selectivity of G-quadruplex ligands via an optimised FRET melting assay. <i>Biochimie</i> , 2015, 115, 194-202.	1.3	96
116	The nickel(II) complex of guanidinium phenyl porphyrin, a specific G-quadruplex ligand, targets telomeres and leads to POT1 mislocalization in culture cells. <i>Journal of Biological Inorganic Chemistry</i> , 2015, 20, 729-738.	1.1	24
117	Orienting Tetramolecular G-Quadruplex Formation: The Quest for the Elusive RNA Antiparallel Quadruplex. <i>Chemistry - A European Journal</i> , 2015, 21, 6732-6739.	1.7	24
118	A fluorescence-based helicase assay: application to the screening of G-quadruplex ligands. <i>Nucleic Acids Research</i> , 2015, 43, e71-e71.	6.5	48
119	Small molecule binding to a G-hairpin and a G-triplex: a new insight into anticancer drug design targeting G-rich regions. <i>Chemical Communications</i> , 2015, 51, 9181-9184.	2.2	35
120	Anticancer molecule AS1411 exhibits low nanomolar antiviral activity against HIV-1. <i>Biochimie</i> , 2015, 118, 173-175.	1.3	26
121	Luminescence switch-on assay of interferon-gamma using a G-quadruplex-selective iridium(III) complex. <i>Chemical Communications</i> , 2015, 51, 16033-16036.	2.2	49
122	Harmonization of QSAR Best Practices and Molecular Docking Provides an Efficient Virtual Screening Tool for Discovering New G-Quadruplex Ligands. <i>Journal of Chemical Information and Modeling</i> , 2015, 55, 2094-2110.	2.5	20
123	DNA Sequences Proximal to Human Mitochondrial DNA Deletion Breakpoints Prevalent in Human Disease Form G-quadruplexes, a Class of DNA Structures Inefficiently Unwound by the Mitochondrial Replicative Twinkle Helicase. <i>Journal of Biological Chemistry</i> , 2014, 289, 29975-29993.	1.6	103
124	Impact of G-quadruplex structures and intronic polymorphisms rs17878362 and rs1642785 on basal and ionizing radiation-induced expression of alternative p53 transcripts. <i>Carcinogenesis</i> , 2014, 35, 2706-2715.	1.3	25
125	Thioflavin T as a fluorescence light-up probe for G4 formation. <i>Nucleic Acids Research</i> , 2014, 42, e65-e65.	6.5	268
126	Shape matters: size-exclusion HPLC for the study of nucleic acid structural polymorphism. <i>Nucleic Acids Research</i> , 2014, 42, e149-e149.	6.5	62

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127	“Nano-oddities” Unusual Nucleic Acid Assemblies for DNA-Based Nanostructures and Nanodevices. <i>Accounts of Chemical Research</i> , 2014, 47, 1836-1844.	7.6	123
128	Interaction of Polycationic Ni(II)-Salophen Complexes with G-Quadruplex DNA. <i>Inorganic Chemistry</i> , 2014, 53, 12519-12531.	1.9	44
129	An oligonucleotide-based label-free luminescent switch-on probe for RNA detection utilizing a G-quadruplex-selective iridium(^{III}) complex. <i>Nanoscale</i> , 2014, 6, 8489-8494.	2.8	56
130	G-quadruplex-binding ligand-induced DNA synapsis inside a DNA origami frame. <i>RSC Advances</i> , 2014, 4, 6346.	1.7	26
131	Topology of a DNA G-Quadruplex Structure Formed in the HIV-1 Promoter: A Potential Target for Anti-HIV Drug Development. <i>Journal of the American Chemical Society</i> , 2014, 136, 5249-5252.	6.6	128
132	Structural Dynamics and Polymorphism of Telomeric G-Quadruplex DNA Structures. <i>Biophysical Journal</i> , 2014, 106, 65a.	0.2	0
133	Assembly of chemically modified G-rich sequences into tetramolecular DNA G-quadruplexes and higher order structures. <i>Methods</i> , 2014, 67, 159-168.	1.9	19
134	Age at cancer onset in germline TP53 mutation carriers: association with polymorphisms in predicted G-quadruplex structures. <i>Carcinogenesis</i> , 2014, 35, 807-815.	1.3	29
135	Detection of base excision repair enzyme activity using a luminescent G-quadruplex selective switch-on probe. <i>Chemical Communications</i> , 2013, 49, 5630.	2.2	113
136	Nucleic acid structure: A continuing tradition. <i>Methods</i> , 2013, 64, 1-2.	1.9	0
137	Guided Assembly of Tetramolecular G-Quadruplexes. <i>ACS Nano</i> , 2013, 7, 5701-5710.	7.3	46
138	Label-free detection of sub-nanomolar lead(II) ions in aqueous solution using a metal-based luminescent switch-on probe. <i>Biosensors and Bioelectronics</i> , 2013, 41, 871-874.	5.3	84
139	A “sugar-deficient” G-quadruplex: incorporation of aTNA in G4 structures. <i>Chemical Science</i> , 2013, 4, 3693.	3.7	15
140	HIV-1 Nucleocapsid Proteins as Molecular Chaperones for Tetramolecular Antiparallel G-Quadruplex Formation. <i>Journal of the American Chemical Society</i> , 2013, 135, 18575-18585.	6.6	44
141	Controlling the stoichiometry and strand polarity of a tetramolecular G-quadruplex structure by using a DNA origami frame. <i>Nucleic Acids Research</i> , 2013, 41, 8738-8747.	6.5	49
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