

Jean-Louis Mergny

List of Publications by Year in descending order

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281
papers

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6613

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10734

138
g-index

344
all docs

344
docs citations

344
times ranked

11454
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of Thermal Melting Curves. Oligonucleotides, 2003, 13, 515-537.	2.7	649
2	Following G-quartet formation by UV-spectroscopy. FEBS Letters, 1998, 435, 74-78.	2.8	621
3	Targeting telomeres and telomerase. Biochimie, 2008, 90, 131-155.	2.6	538
4	Re-evaluation of G-quadruplex propensity with G4Hunter. Nucleic Acids Research, 2016, 44, 1746-1759.	14.5	504
5	Human telomeric DNA: G-quadruplex, i-motif and Watson-Crick double helix. Nucleic Acids Research, 2002, 30, 4618-4625.	14.5	407
6	Highly Efficient G-Quadruplex Recognition by Bisquinolinium Compounds. Journal of the American Chemical Society, 2007, 129, 1856-1857.	13.7	386
7	G-quadruplex DNA: A target for drug design. Nature Medicine, 1998, 4, 1366-1367.	30.7	385
8	DNA duplex-quadruplex exchange as the basis for a nanomolecular machine. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 1569-1573.	7.1	385
9	Cell senescence and telomere shortening induced by a new series of specific G-quadruplex DNA ligands. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 2672-2677.	7.1	378
10	Thermal difference spectra: a specific signature for nucleic acid structures. Nucleic Acids Research, 2005, 33, e138-e138.	14.5	371
11	G-quadruplexes and helicases. Nucleic Acids Research, 2016, 44, 1989-2006.	14.5	360
12	How long is too long? Effects of loop size on G-quadruplex stability. Nucleic Acids Research, 2010, 38, 7858-7868.	14.5	354
13	Fluorescence-based melting assays for studying quadruplex ligands. Methods, 2007, 42, 183-195.	3.8	345
14	The Yeast Pif1 Helicase Prevents Genomic Instability Caused by G-Quadruplex-Forming CEB1 Sequences In Vivo. PLoS Genetics, 2009, 5, e1000475.	3.5	316
15	Natural and pharmacological regulation of telomerase. Nucleic Acids Research, 2002, 30, 839-865.	14.5	315
16	Triple Helix-Specific Ligands. Science, 1992, 256, 1681-1684.	12.6	302
17	Telomerase inhibitors based on quadruplex ligands selected by a fluorescence assay. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 3062-3067.	7.1	294
18	Intramolecular folding of a fragment of the cytosine-rich strand of telomeric DNA into anti-motif. Nucleic Acids Research, 1994, 22, 1600-1606.	14.5	286

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19	Kinetics of tetramolecular quadruplexes. <i>Nucleic Acids Research</i> , 2005, 33, 81-94.	14.5	275
20	Intramolecular Folding of Pyrimidine Oligodeoxynucleotides into an i-DNA Motif. <i>Journal of the American Chemical Society</i> , 1995, 117, 8887-8898.	13.7	270
21	DNA Quadruple Helices in Nanotechnology. <i>Chemical Reviews</i> , 2019, 119, 6290-6325.	47.7	269
22	Thioflavin T as a fluorescence light-up probe for G4 formation. <i>Nucleic Acids Research</i> , 2014, 42, e65-e65.	14.5	268
23	Reevaluation of telomerase inhibition by quadruplex ligands and their mechanisms of action. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 17347-17352.	7.1	265
24	Kinetics and thermodynamics of triple-helix formation: effects of ionic strength and mismatched. <i>Biochemistry</i> , 1992, 31, 9269-9278.	2.5	253
25	Ligands playing musical chairs with G-quadruplex DNA: A rapid and simple displacement assay for identifying selective G-quadruplex binders. <i>Biochimie</i> , 2008, 90, 1207-1223.	2.6	245
26	Preferential binding of a G-quadruplex ligand to human chromosome ends. <i>Nucleic Acids Research</i> , 2005, 33, 4182-4190.	14.5	237
27	Fluorescence Resonance Energy Transfer as a Probe for G-Quartet Formation by a Telomeric Repeat. <i>ChemBioChem</i> , 2001, 2, 124-132.	2.6	224
28	Apoptosis related to telomere instability and cell cycle alterations in human glioma cells treated by new highly selective G-quadruplex ligands. <i>Oncogene</i> , 2005, 24, 2917-2928.	5.9	220
29	The effect of chemical modifications on the thermal stability of different G-quadruplex-forming oligonucleotides. <i>Nucleic Acids Research</i> , 2005, 33, 1182-1192.	14.5	211
30	Telomerase downregulation induced by the G-quadruplex ligand 12459 in A549 cells is mediated by hTERT RNA alternative splicing. <i>Nucleic Acids Research</i> , 2004, 32, 371-379.	14.5	204
31	Ethidium derivatives bind to G-quartets, inhibit telomerase and act as fluorescent probes for quadruplexes. <i>Nucleic Acids Research</i> , 2001, 29, 1087-1096.	14.5	201
32	Interaction of human telomeric DNA with N- methyl mesoporphyrin IX. <i>Nucleic Acids Research</i> , 2012, 40, 5432-5447.	14.5	187
33	Evaluation of the Stability of DNA Motifs in the Nuclei of Living Mammalian Cells. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 2165-2169.	13.8	187
34	G-quadruplex structures in TP53 intron 3: role in alternative splicing and in production of p53 mRNA isoforms. <i>Carcinogenesis</i> , 2011, 32, 271-278.	2.8	186
35	G-quadruplex, Friend or Foe: The Role of the G-quartet in Anticancer Strategies. <i>Trends in Molecular Medicine</i> , 2020, 26, 848-861.	6.7	181
36	Selective Recognition of G-Quadruplex Telomeric DNA by a Bis(quinacridine) Macrocycle. <i>Journal of the American Chemical Society</i> , 2003, 125, 4732-4740.	13.7	174

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37	Guanines are a quartet's best friend: impact of base substitutions on the kinetics and stability of tetramolecular quadruplexes. <i>Nucleic Acids Research</i> , 2007, 35, 3064-3075.	14.5	174
38	A G-quadruplex structure within the 5' UTR of TRF2 mRNA represses translation in human cells. <i>Nucleic Acids Research</i> , 2010, 38, 7187-7198.	14.5	168
39	Luminescence switch-on detection of protein tyrosine kinase-7 using a G-quadruplex-selective probe. <i>Chemical Science</i> , 2015, 6, 4284-4290.	7.4	165
40	Sequence specificity in triple helix formation: experimental and theoretical studies of the effect of mismatches on triplex stability. <i>Biochemistry</i> , 1991, 30, 9791-9798.	2.5	163
41	Human replication protein A unfolds telomeric G-quadruplexes. <i>Nucleic Acids Research</i> , 2006, 34, 4857-4865.	14.5	163
42	Engineering Bisquinolinium/Thiazole Orange Conjugates for Fluorescent Sensing of G-Quadruplex DNA. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 2188-2191.	13.8	158
43	Fluorescence energy transfer as a probe for nucleic acid structures and sequences. <i>Nucleic Acids Research</i> , 1994, 22, 920-928.	14.5	152
44	DNA nanomachines and nanostructures involving quadruplexes. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 3383.	2.8	152
45	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.	7.4	150
46	UV Melting of G-Quadruplexes. <i>Current Protocols in Nucleic Acid Chemistry</i> , 2009, 37, Unit 17.1.	0.5	136
47	G4Hunter web application: a web server for G-quadruplex prediction. <i>Bioinformatics</i> , 2019, 35, 3493-3495.	4.1	134
48	Interactions of cryptolepine and neocryptolepine with unusual DNA structures. <i>Biochimie</i> , 2003, 85, 535-547.	2.6	133
49	Sequence variant (CTAGGG) _n in the human telomere favors a G-quadruplex structure containing a C ₃ A ₁ C ₃ A ₁ C tetrad. <i>Nucleic Acids Research</i> , 2009, 37, 6239-6248.	14.5	132
50	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
51	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.	13.7	128
52	Stability of telomeric G-quadruplexes. <i>Nucleic Acids Research</i> , 2011, 39, 3282-3294.	14.5	126
53	The importance of metal geometry in the recognition of G-quadruplex-DNA by metal-terpyridine complexes. <i>Organic and Biomolecular Chemistry</i> , 2007, 5, 2555.	2.8	125
54	A Metal-Mediated Conformational Switch Controls G-Quadruplex Binding Affinity. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 4858-4861.	13.8	124

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55	“Nano-oddities” Unusual Nucleic Acid Assemblies for DNA-Based Nanostructures and Nanodevices. <i>Accounts of Chemical Research</i> , 2014, 47, 1836-1844.	15.6	123
56	Selective Interaction of Ethidium Derivatives with Quadruplexes: An Equilibrium Dialysis and Electrospray Ionization Mass Spectrometry Analysis. <i>Biochemistry</i> , 2003, 42, 10361-10371.	2.5	122
57	Quadruplex Turncoats: Cation-Dependent Folding and Stability of Quadruplex-DNA Double Switches. <i>Journal of the American Chemical Society</i> , 2016, 138, 2780-2792.	13.7	122
58	Interaction of Telomestatin with the Telomeric Single-strand Overhang. <i>Journal of Biological Chemistry</i> , 2004, 279, 41487-41494.	3.4	120
59	Involvement of G-quadruplex regions in mammalian replication origin activity. <i>Nature Communications</i> , 2019, 10, 3274.	12.8	120
60	Fluorescence Energy Transfer as a Probe for Tetraplex Formation: The i-Motif. <i>Biochemistry</i> , 1999, 38, 1573-1581.	2.5	119
61	Detection of base excision repair enzyme activity using a luminescent G-quadruplex selective switch-on probe. <i>Chemical Communications</i> , 2013, 49, 5630.	4.1	113
62	Intercalation of ethidium bromide into a triple-stranded oligonucleotide. <i>Nucleic Acids Research</i> , 1991, 19, 1521-1526.	14.5	109
63	G-Quadruplex Recognition by Quinacridines: a SAR, NMR, and Biological Study. <i>ChemMedChem</i> , 2007, 2, 655-666.	3.2	107
64	Quadruplex-Based Molecular Beacons as Tunable DNA Probes. <i>Journal of the American Chemical Society</i> , 2006, 128, 11094-11105.	13.7	106
65	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.	3.4	103
66	Identification of two human nuclear proteins that recognise the cytosine-rich strand of human telomeres in vitro. <i>Nucleic Acids Research</i> , 2000, 28, 1564-1575.	14.5	99
67	Interaction of human DNA topoisomerase I with G-quartet structures. <i>Nucleic Acids Research</i> , 2000, 28, 4832-4838.	14.5	97
68	Assessment of selectivity of G-quadruplex ligands via an optimised FRET melting assay. <i>Biochimie</i> , 2015, 115, 194-202.	2.6	96
69	Formation of Pearl-Necklace Monomorphic G-Quadruplexes in the Human CEB25 Minisatellite. <i>Journal of the American Chemical Society</i> , 2012, 134, 5807-5816.	13.7	95
70	Fluorescence intercalator displacement assay for screening G4 ligands towards a variety of G-quadruplex structures. <i>Biochimie</i> , 2011, 93, 1288-1296.	2.6	92
71	An Acyclic Oligoheteroaryle That Discriminates Strongly between Diverse G-Quadruplex Topologies. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 8745-8749.	13.8	92
72	Ultraviolet-A induces activation of AP-1 in cultured human keratinocytes. <i>FEBS Letters</i> , 1996, 384, 92-96.	2.8	89

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73	Sequence effects in single-base loops for quadruplexes. <i>Biochimie</i> , 2008, 90, 686-696.	2.6	89
74	Predicting and understanding the stability of G-quadruplexes. <i>Bioinformatics</i> , 2009, 25, i374-i1382.	4.1	89
75	Kinetics and thermodynamics of i-DNA formation: phosphodiester versus modified oligodeoxynucleotides. <i>Nucleic Acids Research</i> , 1998, 26, 4797-4803.	14.5	87
76	G-quadruplex DNA and ligand interaction in living cells using NMR spectroscopy. <i>Chemical Science</i> , 2015, 6, 3314-3320.	7.4	87
77	Detection of telomerase inhibitors based on g-quadruplex ligands by a modified telomeric repeat amplification protocol assay. <i>Cancer Research</i> , 2002, 62, 3365-8.	0.9	85
78	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.	10.1	84
79	A New Steroid Derivative Stabilizes G-Quadruplexes and Induces Telomere Uncapping in Human Tumor Cells. <i>Molecular Pharmacology</i> , 2007, 72, 631-640.	2.3	83
80	Inability of RNA To Form the i-Motif: Implications for Triplex Formation. <i>Biochemistry</i> , 1996, 35, 8715-8722.	2.5	80
81	Exclusive platination of loop adenines in the human telomeric G-quadruplex. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 2864.	2.8	78
82	Quadruplex ligands may act as molecular chaperones for tetramolecular quadruplex formation. <i>Nucleic Acids Research</i> , 2007, 35, 2483-2493.	14.5	77
83	A FRET-based screening assay for nucleic acid ligands. <i>Methods</i> , 2012, 57, 122-128.	3.8	77
84	Combination of i-Motif and G-Quadruplex Structures within the Same Strand: Formation and Application. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 7742-7746.	13.8	74
85	Antitumor Polycyclic Acridines. 20.(1) Search for DNA Quadruplex Binding Selectivity in a Series of 8,13-Dimethylquino[4,3,2-kl]acridinium Salts: Telomere- Targeted Agents. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 963-975.	6.4	73
86	Aptamer-based Targeted Delivery of a G-quadruplex Ligand in Cervical Cancer Cells. <i>Scientific Reports</i> , 2019, 9, 7945.	3.3	73
87	Stability of intramolecular quadruplexes: sequence effects in the central loop. <i>Nucleic Acids Research</i> , 2009, 37, 5559-5567.	14.5	72
88	Interaction of an Acridine Dimer with DNA Quadruplex Structures. <i>Journal of Biomolecular Structure and Dynamics</i> , 2001, 19, 505-513.	3.5	71
89	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.	14.5	71
90	Selective Stabilization of DNA Triple Helices by Benzopyridoindole Derivatives. <i>Journal of the American Chemical Society</i> , 1995, 117, 10212-10219.	13.7	70

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91	Site-specific intercalation at the triplex-duplex junction induces a conformational change which is detectable by hypersensitivity to diethylpyrocarbonate. <i>Nucleic Acids Research</i> , 1991, 19, 4219-4224.	14.5	67
92	Triâ€œGâ€œQuadruplex: Controlled Assembly of a Gâ€œQuadruplex Structure from Three Gâ€œRich Strands. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 11002-11005.	13.8	65
93	Neomycin-capped aromatic platforms: quadruplex DNA recognition and telomerase inhibition. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 1049.	2.8	64
94	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.	3.4	64
95	Fluorescence energy transfer between two triple helix-forming oligonucleotides bound to duplex DNA. <i>Biochemistry</i> , 1994, 33, 15321-15328.	2.5	63
96	Quartets in Gâ€œmajor. <i>EMBO Reports</i> , 2007, 8, 1003-1010.	4.5	63
97	Tridentate Nâ€œDonor Palladium(II) Complexes as Efficient Coordinating Quadruplex DNA Binders. <i>Chemistry - A European Journal</i> , 2011, 17, 13274-13283.	3.3	63
98	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.	14.5	63
99	Shape matters: size-exclusion HPLC for the study of nucleic acid structural polymorphism. <i>Nucleic Acids Research</i> , 2014, 42, e149-e149.	14.5	62
100	Loop permutation affects the topology and stability of G-quadruplexes. <i>Nucleic Acids Research</i> , 2018, 46, 9264-9275.	14.5	62
101	Ascididemin and meridine stabilise G-quadruplexes and inhibit telomerase in vitro. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2005, 1724, 375-384.	2.4	61
102	Unlocking G-Quadruplexes as Antiviral Targets. <i>Pharmacological Reviews</i> , 2021, 73, 897-923.	16.0	60
103	<i>Plasmodium</i> Telomeric Sequences: Structure, Stability and Quadruplex Targeting by Small Compounds. <i>ChemBioChem</i> , 2008, 9, 2730-2739.	2.6	59
104	â€œOne Ring to Bind Them Allâ€œ Part I: The Efficiency of the Macrocyclic Scaffold for G-Quadruplex DNA Recognition. <i>Journal of Nucleic Acids</i> , 2010, 2010, 1-19.	1.2	59
105	Exon Array Analyses across the NCI-60 Reveal Potential Regulation of TOP1 by Transcription Pausing at Guanosine Quartets in the First Intron. <i>Cancer Research</i> , 2010, 70, 2191-2203.	0.9	58
106	Energetics of strand-displacement reactions in triple helices: a spectroscopic study. <i>Journal of Molecular Biology</i> , 1999, 291, 1035-1054.	4.2	56
107	DOTASQ as a prototype of nature-inspired G-quadruplex ligand. <i>Chemical Communications</i> , 2011, 47, 4992.	4.1	56
108	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.	5.6	56

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109	G-quartets direct assembly of HIV-1 nucleocapsid protein along single-stranded DNA. <i>Nucleic Acids Research</i> , 2003, 31, 5754-5763.	14.5	55
110	Triplex Formation by Oligonucleotides Containing 5-(1-Propynyl)-2'-deoxyuridine: Decreased Magnesium Dependence and Improved Intracellular Gene Targeting. <i>Biochemistry</i> , 1999, 38, 1893-1901.	2.5	54
111	How Proximal Nucleobases Regulate the Catalytic Activity of G-Quadruplex/Hemin DNAzymes. <i>ACS Catalysis</i> , 2018, 8, 11352-11361.	11.2	54
112	G-Quadruplex Formation Interferes with P1 Helix Formation in the RNA Component of Telomerase hTERC. <i>ChemBioChem</i> , 2008, 9, 2075-2079.	2.6	53
113	Tetramolecular Quadruplex Stability and Assembly. <i>Topics in Current Chemistry</i> , 2012, 330, 243-273.	4.0	53
114	Resistance to the Short Term Antiproliferative Activity of the G-quadruplex Ligand 12459 Is Associated with Telomerase Overexpression and Telomere Capping Alteration. <i>Journal of Biological Chemistry</i> , 2003, 278, 50554-50562.	3.4	52
115	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.	6.4	52
116	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.	6.5	51
117	Design, synthesis and antimalarial activity of novel bis-((pyrrolo[1,2- <i>a</i>]quinoxalin-4-yl)benzyl)-3-aminopropylamine derivatives. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2017, 32, 547-563.	5.2	51
118	Effect of third strand composition on the triple helix formation: purine versus pyrimidine oligodeoxynucleotides. <i>Nucleic Acids Research</i> , 1996, 24, 3181-3188.	14.5	50
119	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.	14.5	50
120	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.	14.5	49
121	Luminescence switch-on assay of interferon-gamma using a G-quadruplex-selective iridium(III) complex. <i>Chemical Communications</i> , 2015, 51, 16033-16036.	4.1	49
122	A fluorescence-based helicase assay: application to the screening of G-quadruplex ligands. <i>Nucleic Acids Research</i> , 2015, 43, e71-e71.	14.5	48
123	Unusual DNA Conformations: Implications for Telomeres. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2002, 2, 627-644.	7.0	47
124	Length-dependent energetics of (CTG) _n and (CAG) _n trinucleotide repeats. <i>Nucleic Acids Research</i> , 2005, 33, 4065-4077.	14.5	47
125	Effects of 8-methylguanine on structure, stability and kinetics of formation of tetramolecular quadruplexes. <i>Biochimie</i> , 2011, 93, 399-408.	2.6	47
126	Guided Assembly of Tetramolecular G-Quadruplexes. <i>ACS Nano</i> , 2013, 7, 5701-5710.	14.6	46

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127	Thermal and pH Stabilities of α -DNA: Confronting in vitro Experiments with Models and in Cell NMR Data. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 10286-10294.	13.8	46
128	Synthesis, Binding Properties, and Differences in Cell Uptake of α -Quadruplex Ligands Based on Carbohydrate Naphthalene Diimide Conjugates. <i>Chemistry - A European Journal</i> , 2017, 23, 2157-2164.	3.3	45
129	Monitoring DNA-Ligand Interactions in Living Human Cells Using NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2019, 141, 13281-13285.	13.7	45
130	Benzoindoloquinolines interact with DNA tetraplexes and inhibit telomerase. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2002, 12, 1071-1074.	2.2	44
131	Thermal Melting Studies of Ligand DNA Interactions. <i>Methods in Molecular Biology</i> , 2010, 613, 25-35.	0.9	44
132	Unraveling the relationship between structure and stabilization of triarylpyridines as G-quadruplex binding ligands. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 6154.	2.8	44
133	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.	13.7	44
134	Interaction of Polycationic Ni(II)-Salophen Complexes with G-Quadruplex DNA. <i>Inorganic Chemistry</i> , 2014, 53, 12519-12531.	4.0	44
135	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.	5.1	44
136	RNA synthesis is modulated by G-quadruplex formation in Hepatitis C virus negative RNA strand. <i>Scientific Reports</i> , 2018, 8, 8120.	3.3	43
137	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.	14.5	43
138	Chemical Modification of the Third Strand: Differential Effects on Purine and Pyrimidine Triple Helix Formation. <i>Biochemistry</i> , 2002, 41, 357-366.	2.5	42
139	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.	3.3	42
140	Structure of two G-quadruplexes in equilibrium in the KRAS promoter. <i>Nucleic Acids Research</i> , 2020, 48, 9336-9345.	14.5	42
141	Fluorescent light-up acridine orange derivatives bind and stabilize KRAS-22RT G-quadruplex. <i>Biochimie</i> , 2018, 144, 144-152.	2.6	41
142	Recognition of α -Quadruplex DNA by Triangular Star-Shaped Compounds: With or Without Side Chains?. <i>Chemistry - A European Journal</i> , 2011, 17, 4529-4539.	3.3	40
143	Affinity and selectivity of G4 ligands measured by FRET. <i>Nucleic Acids Symposium Series</i> , 2005, 49, 235-236.	0.3	39
144	Human telomeres that contain (CTAGGG) _n repeats show replication dependent instability in somatic cells and the male germline. <i>Nucleic Acids Research</i> , 2009, 37, 6225-6238.	14.5	37

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145	Nucleic acids targeted to drugs: SELEX against a quadruplex ligand. <i>Biochimie</i> , 2011, 93, 1357-1367.	2.6	36
146	Label-free sensing of pH and silver nanoparticles using an "OR" logic gate. <i>Analytica Chimica Acta</i> , 2012, 733, 78-83.	5.4	36
147	Cobalt(III)porphyrin to target G-quadruplex DNA. <i>Dalton Transactions</i> , 2015, 44, 3701-3707.	3.3	35
148	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.	4.1	35
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