

# Aldo Galeone

## List of Publications by Citations

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107  
papers

2,281  
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26  
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41  
g-index

110  
ext. papers

2,455  
ext. citations

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L-index

#	Paper	IF	Citations
107	MicroRNA-199b-5p impairs cancer stem cells through negative regulation of HES1 in medulloblastoma. <i>PLoS ONE</i> , <b>2009</b> , 4, e4998	3.7	208
106	MiR-34a targeting of Notch ligand delta-like 1 impairs CD15+/CD133+ tumor-propagating cells and supports neural differentiation in medulloblastoma. <i>PLoS ONE</i> , <b>2011</b> , 6, e24584	3.7	134
105	Structural and thermodynamic studies of the interaction of distamycin A with the parallel quadruplex structure [d(TGGGGT)] <sub>4</sub> . <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 16048-56	16.4	130
104	Localized DNA flexibility contributes to target site selection by DNA-bending proteins. <i>Journal of Molecular Biology</i> , <b>1996</b> , 260, 120-5	6.5	92
103	The insertion of two 8-methyl-2Rdeoxyguanosine residues in tetramolecular quadruplex structures: trying to orientate the strands. <i>Nucleic Acids Research</i> , <b>2012</b> , 40, 461-75	20.1	63
102	8-methyl-2Rdeoxyguanosine incorporation into parallel DNA quadruplex structures. <i>Nucleic Acids Research</i> , <b>2005</b> , 33, 6188-95	20.1	55
101	Affinity, stability and polarity of binding of the TATA binding protein governed by flexure at the TATA Box. <i>Journal of Molecular Biology</i> , <b>1998</b> , 282, 731-9	6.5	50
100	Synthesis, structural studies and biological properties of new TBA analogues containing an acyclic nucleotide. <i>Bioorganic and Medicinal Chemistry</i> , <b>2008</b> , 16, 8244-53	3.4	42
99	Effects of 8-methylguanine on structure, stability and kinetics of formation of tetramolecular quadruplexes. <i>Biochimie</i> , <b>2011</b> , 93, 399-408	4.6	41
98	Transferrin-conjugated SNALPs encapsulating 2RO-methylated miR-34a for the treatment of multiple myeloma. <i>BioMed Research International</i> , <b>2014</b> , 2014, 217365	3	38
97	A new class of DNA quadruplexes formed by oligodeoxyribonucleotides containing a 3R3R or 5R5R inversion of polarity site. <i>Chemical Communications</i> , <b>2005</b> , 3953-5	5.8	38
96	Strand directionality affects cation binding and movement within tetramolecular G-quadruplexes. <i>Nucleic Acids Research</i> , <b>2012</b> , 40, 11047-57	20.1	37
95	Tetra-end-linked oligonucleotides forming DNA G-quadruplexes: a new class of aptamers showing anti-HIV activity. <i>Chemical Communications</i> , <b>2010</b> , 46, 8971-3	5.8	34
94	On the connection between inherent DNA flexure and preferred binding of hydroxymethyluracil-containing DNA by the type II DNA-binding protein TF1. <i>Journal of Molecular Biology</i> , <b>1996</b> , 260, 196-206	6.5	34
93	Site specific replacements of a single loop nucleoside with a dibenzyl linker may switch the activity of TBA from anticoagulant to antiproliferative. <i>Nucleic Acids Research</i> , <b>2015</b> , 43, 7702-16	20.1	33
92	Design, synthesis, biophysical and biological studies of trisubstituted naphthalimides as G-quadruplex ligands. <i>Bioorganic and Medicinal Chemistry</i> , <b>2011</b> , 19, 6419-29	3.4	32
91	1 H-NMR study of the interaction of distamycin A and netropsin with the parallel stranded tetraplex [d(TGGGGT)] <sub>4</sub> . <i>Chemical Communications</i> , <b>2001</b> , 1030-1031	5.8	32

90	Site-specific replacement of the thymine methyl group by fluorine in thrombin binding aptamer significantly improves structural stability and anticoagulant activity. <i>Nucleic Acids Research</i> , <b>2015</b> , 43, 10602-11	20.1	31
89	Ptaquiloside, the major carcinogen of bracken fern, in the pooled raw milk of healthy sheep and goats: an underestimated, global concern of food safety. <i>Journal of Agricultural and Food Chemistry</i> , <b>2015</b> , 63, 4886-92	5.7	30
88	A straightforward modification in the thrombin binding aptamer improving the stability, affinity to thrombin and nuclease resistance. <i>Organic and Biomolecular Chemistry</i> , <b>2014</b> , 12, 8840-3	3.9	30
87	Effects of abasic sites on structural, thermodynamic and kinetic properties of quadruplex structures. <i>Nucleic Acids Research</i> , <b>2010</b> , 38, 2069-80	20.1	29
86	5-Hydroxymethyl-2Rdeoxyuridine residues in the thrombin binding aptamer: investigating anticoagulant activity by making a tiny chemical modification. <i>ChemBioChem</i> , <b>2014</b> , 15, 2427-34	3.8	28
85	Synthesis of quadruplex-forming tetra-end-linked oligonucleotides: effects of the linker size on quadruplex topology and stability. <i>Biopolymers</i> , <b>2009</b> , 91, 466-77	2.2	28
84	Effects of the introduction of inversion of polarity sites in the quadruplex forming oligonucleotide TGGGT. <i>Bioorganic and Medicinal Chemistry</i> , <b>2009</b> , 17, 1997-2001	3.4	27
83	Synthesis and characterization of a bunched oligonucleotide forming a monomolecular parallel quadruplex structure in solution. <i>Tetrahedron Letters</i> , <b>2004</b> , 45, 4869-4872	2	27
82	Solid phase synthesis of 5-hydroxymethyluracil containing DNA. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>1992</b> , 2, 79-82	2.9	27
81	Synthesis and characterization of monomolecular DNA G-quadruplexes formed by tetra-end-linked oligonucleotides. <i>Bioconjugate Chemistry</i> , <b>2006</b> , 17, 889-98	6.3	26
80	Synthesis of a novel N-1 carbocyclic, N-9 butyl analogue of cyclic ADP ribose (cADPR). <i>Tetrahedron</i> , <b>2002</b> , 58, 363-368	2.4	26
79	Interaction of distamycin A and netropsin with quadruplex and duplex structures: a comparative 1H-NMR study. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , <b>2002</b> , 21, 535-45	1.4	26
78	MicroRNA 199b-5p delivery through stable nucleic acid lipid particles (SNALPs) in tumorigenic cell lines. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , <b>2013</b> , 386, 287-302	3.4	24
77	A topological classification of G-quadruplex structures. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , <b>2007</b> , 26, 1155-9	1.4	24
76	Biophysical properties of quadruple helices of modified human telomeric DNA. <i>Biopolymers</i> , <b>2005</b> , 77, 75-85	2.2	24
75	Human AP-endonuclease (Ape1) activity on telomeric G4 structures is modulated by acetylatable lysine residues in the N-terminal sequence. <i>DNA Repair</i> , <b>2019</b> , 73, 129-143	4.3	24
74	Synthesis and characterisation of poly(D,L-lactic acid)-idoxuridine conjugate. <i>Journal of Controlled Release</i> , <b>1999</b> , 58, 61-8	11.7	23
73	Exploring the binding of d(GGGT) <sub>4</sub> to the HIV-1 integrase: An approach to investigate G-quadruplex aptamer/target protein interactions. <i>Biochimie</i> , <b>2016</b> , 127, 19-22	4.6	23

72	Structural investigations on the anti-HIV G-quadruplex-forming oligonucleotide TGGGAG and its analogues: evidence for the presence of an A-tetrad. <i>ChemBioChem</i> , <b>2012</b> , 13, 2219-24	3.8	22
71	miR-125b Upregulates miR-34a and Sequentially Activates Stress Adaption and Cell Death Mechanisms in Multiple Myeloma. <i>Molecular Therapy - Nucleic Acids</i> , <b>2019</b> , 16, 391-406	10.7	21
70	Backbone modified TBA analogues endowed with antiproliferative activity. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2017</b> , 1861, 1213-1221	4	21
69	Twin hydroxymethyluracil-A base pair steps define the binding site for the DNA-binding protein TF1. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 13084-7	5.4	21
68	Effects of 8-methyl-2-deoxyadenosine incorporation into quadruplex forming oligodeoxyribonucleotides. <i>Bioorganic and Medicinal Chemistry</i> , <b>2005</b> , 13, 1037-44	3.4	21
67	Solution Structure of the Complex between the Head-to-Tail Dimer of Calicheamicin $\beta$ 1 Oligosaccharide and a DNA Duplex Containing d(ACCT) and d(TCCT) High-Affinity Binding Sites. <i>Journal of the American Chemical Society</i> , <b>1998</b> , 120, 7183-7191	16.4	21
66	Conformation of the circular dumbbell d: structure determination and molecular dynamics. <i>Journal of Biomolecular NMR</i> , <b>1995</b> , 6, 403-22	3	21
65	Interrelations of secondary structure stability and DNA-binding affinity in the bacteriophage SPO1-encoded type II DNA-binding protein TF1. <i>Journal of Molecular Biology</i> , <b>1994</b> , 236, 139-50	6.5	21
64	Novel pyrimidopyrimidine derivatives for inhibition of cellular proliferation and motility induced by h-prune in breast cancer. <i>European Journal of Medicinal Chemistry</i> , <b>2012</b> , 57, 41-50	6.8	19
63	The abasic site lesions in the human telomeric sequence d[TA(G(3)T(2)A)(3)G(3)]: a thermodynamic point of view. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2012</b> , 1820, 2037-43	4	19
62	Automated solid phase synthesis of cyclic oligonucleotides: a further improvement. <i>Bioorganic and Medicinal Chemistry</i> , <b>1995</b> , 3, 1325-9	3.4	19
61	Thrombin binding aptamer analogues containing inversion of polarity sites endowed with antiproliferative and anti-motility properties against Calu-6 cells. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2018</b> , 1862, 2645-2650	4	18
60	Synthesis and characterization of DNA quadruplexes containing T-tetrads formed by bunch-oligonucleotides. <i>Biopolymers</i> , <b>2006</b> , 81, 194-201	2.2	18
59	Solution Structure of the Head-to-Head Dimer of Calicheamicin Oligosaccharide Domain and d(CGTAGGATATCCTACG) <sub>2</sub> . <i>Journal of the American Chemical Society</i> , <b>1996</b> , 118, 8817-8824	16.4	18
58	Improvement of the activity of the anti-HIV-1 integrase aptamer T30175 by introducing a modified thymidine into the loops. <i>Scientific Reports</i> , <b>2018</b> , 8, 7447	4.9	17
57	Expanding the potential of G-quadruplex structures: formation of a heterochiral TBA analogue. <i>ChemBioChem</i> , <b>2014</b> , 15, 652-5	3.8	17
56	A further contribution to the extreme variability of quadruplex structures from oligodeoxyribonucleotides containing inversion of polarity sites in the G-tract. <i>Molecular BioSystems</i> , <b>2008</b> , 4, 426-30		17
55	An NMR study of the conformation and thermodynamics of the circular dumbbell d [formula: see text] Slow exchange between two- and four-membered hairpin loops. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>1992</b> , 9, 821-36	3.6	17

54	2RDeoxy-8-(propyn-1-yl)adenosine-containing oligonucleotides: effects on stability of duplex and quadruplex structures. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2000</b> , 10, 2005-9	2.9	16
53	Slow conformational exchange in DNA minihairpin loops: a conformational study of the circular dumbbell d. <i>Biopolymers</i> , <b>1995</b> , 36, 681-94	2.2	16
52	Investigating the properties of TBA variants with twin thrombin binding domains. <i>Scientific Reports</i> , <b>2019</b> , 9, 9184	4.9	15
51	Synthesis of a New N1-Pentyl Analogue of Cyclic Inosine Diphosphate Ribose (cIDPR) as a Stable Potential Mimic of Cyclic ADP Ribose (cADPR). <i>European Journal of Organic Chemistry</i> , <b>2002</b> , 2002, 4234-4238	2.2	14
50	Effect of a modified thymine on the structure and stability of [d(TGGGT)] <sub>4</sub> quadruplex. <i>International Journal of Biological Macromolecules</i> , <b>2003</b> , 31, 131-7	7.9	14
49	Synthesis of two distamycin analogues and their binding mode to d(CGCAAATTTGCG) <sub>2</sub> in the 2:1 solution complexes as determined by two-dimensional <sup>1</sup> H-NMR. <i>Journal of Medicinal Chemistry</i> , <b>1995</b> , 38, 1140-9	8.3	14
48	<sup>1</sup> H NMR studies of the 5-(hydroxymethyl)-2Rdeoxyuridine containing TF1 binding site. <i>Nucleic Acids Research</i> , <b>1996</b> , 24, 2740-5	20.1	14
47	uL3 Mediated Nucleolar Stress Pathway as a New Mechanism of Action of Antiproliferative G-quadruplex TBA Derivatives in Colon Cancer Cells. <i>Biomolecules</i> , <b>2020</b> , 10,	5.9	13
46	Metastatic group 3 medulloblastoma is driven by PRUNE1 targeting NME1-TGF- $\beta$ 1-SNAI1 via PTEN inhibition. <i>Brain</i> , <b>2018</b> , 141, 1300-1319	11.2	13
45	A mini-library of TBA analogues containing 3R3R and 5R5R inversion of polarity sites. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , <b>2007</b> , 26, 1145-9	1.4	13
44	The "Janus face" of the thrombin binding aptamer: Investigating the anticoagulant and antiproliferative properties through straightforward chemical modifications. <i>Bioorganic Chemistry</i> , <b>2018</b> , 76, 202-209	5.1	13
43	Improved thrombin binding aptamer analogues containing inversion of polarity sites: structural effects of extra-residues at the ends. <i>Organic and Biomolecular Chemistry</i> , <b>2016</b> , 14, 7707-14	3.9	12
42	The oxidative damage to the human telomere: effects of 5-hydroxymethyl-2Rdeoxyuridine on telomeric G-quadruplex structures. <i>Organic and Biomolecular Chemistry</i> , <b>2015</b> , 13, 7421-9	3.9	12
41	Oligonucleotide delivery in cancer therapy. <i>Expert Opinion on Drug Delivery</i> , <b>2010</b> , 7, 1263-78	8	12
40	Circular dichroism and thermal melting differentiation of Hoechst 33258 binding to the curved (A(4)T(4)) and straight (T(4)A(4)) DNA sequences. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , <b>2002</b> , 1576, 136-42		12
39	Unprecedented right- and left-handed quadruplex structures formed by heterochiral oligodeoxyribonucleotides. <i>Biochimie</i> , <b>2011</b> , 93, 1193-6	4.6	11
38	Monomolecular G-quadruplex structures with inversion of polarity sites: new topologies and potentiality. <i>Nucleic Acids Research</i> , <b>2017</b> , 45, 8156-8166	20.1	10
37	Thermodynamics of melting of the circular dumbbell d. <i>Biopolymers</i> , <b>1995</b> , 36, 701-10	2.2	10

36	Interaction of porphyrin with G-quadruplex structures. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , <b>2005</b> , 24, 753-6	1.4	9
35	Improved performances of catalytic G-quadruplexes (G4-DNAzymes) via the chemical modifications of the DNA backbone to provide G-quadruplexes with double 3Rexternal G-quartets. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 151, 976-983	7.9	9
34	Synthesis and Structural Characterization of PNA-DNA Quadruplex-Forming Chimeras. <i>European Journal of Organic Chemistry</i> , <b>2003</b> , 2003, 3364-3371	3.2	8
33	A novel equilibrium relating to the helix handedness in G-quadruplexes formed by heterochiral oligonucleotides with an inversion of polarity site. <i>Chemical Communications</i> , <b>2013</b> , 49, 7935-7	5.8	7
32	Molecular modelling studies of four stranded quadruplexes containing a 3R3Ror 5R5Rinversion of polarity site. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , <b>2007</b> , 26, 1139-43	1.4	7
31	The Introduction of Inversion of Polarity Sites in DNA G-Quadruplex Structures: Effects and Perspectives. <i>Mini-Reviews in Medicinal Chemistry</i> , <b>2016</b> , 16, 509-23	3.2	7
30	Structural study of four-stranded quadruplex structures containing 2Rdeoxy-8-(propyn-1-yl)adenosine. <i>Bioorganic and Medicinal Chemistry</i> , <b>2004</b> , 12, 1191-7	3.4	6
29	Structural properties and anticoagulant/cytotoxic activities of heterochiral enantiomeric thrombin binding aptamer (TBA) derivatives. <i>Nucleic Acids Research</i> , <b>2020</b> , 48, 12556-12565	20.1	6
28	Structural model of the hUba1-UbcH10 quaternary complex: in silico and experimental analysis of the protein-protein interactions between E1, E2 and ubiquitin. <i>PLoS ONE</i> , <b>2014</b> , 9, e112082	3.7	5
27	Synthesis of 3' $\beta$ -Linked Pyrimidine Oligonucleotides Containing an Acridine Moiety for Alternate Strand Triple Helix Formation. <i>European Journal of Organic Chemistry</i> , <b>2004</b> , 2004, 2331-2336	3.2	5
26	Facile preparation of cyclic oligoribonucleotides. <i>Journal of the Chemical Society Perkin Transactions 1</i> , <b>1993</b> , 747		5
25	Aptamers against the $\beta$ Conglutin Allergen: Insights into the Behavior of the Shortest Multimeric (Intra)Molecular DNA G-Quadruplex. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	5
24	Unusual Chair-Like G-Quadruplex Structures: Heterochiral TBA Analogues Containing Inversion of Polarity Sites. <i>Journal of Chemistry</i> , <b>2015</b> , 2015, 1-6	2.3	4
23	Design and NMR study of an immobile DNA four-way junction containing 38 nucleotides. <i>FEBS Journal</i> , <b>1997</b> , 249, 576-83		4
22	Studies on the influence of inversion of polarity sites on the dG residues glycosidic conformation in quadruplex structures. <i>Nucleic Acids Symposium Series</i> , <b>2008</b> , 177-8		4
21	PNA-DNA chimeras forming quadruplex structures. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , <b>2003</b> , 22, 1681-4	1.4	4
20	Synthesis of 5-methylamino-2Rdeoxyuridine derivatives. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , <b>2001</b> , 20, 1831-41	1.4	4
19	A novel pyrimidine tetrad contributing to stabilize tetramolecular G-quadruplex structures. <i>Organic and Biomolecular Chemistry</i> , <b>2016</b> , 14, 2938-43	3.9	3



18	More than one non-canonical phosphodiester bond in the G-tract: formation of unusual parallel G-quadruplex structures. <i>Organic and Biomolecular Chemistry</i> , <b>2014</b> , 12, 534-40	3.9	3
17	Effect of gamma-hydroxypropano deoxyguanosine, the major acrolein-derived adduct, on monomolecular quadruplex structure of telomeric repeat d(TTAGGG)(4). <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2004</b> , 14, 5417-21	2.9	3
16	Solid-phase synthesis of oligonucleotides containing a bipyridine ligand at the 3R inversion of polarity site. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2001</b> , 11, 383-6	2.9	3
15	Synthesis of Triple Helix Forming Oligonucleotides with a Phenanthroline Moiety into the 3'-3' Inversion Site of Polarity. <i>European Journal of Organic Chemistry</i> , <b>2002</b> , 2002, 4228-4233	3.2	2
14	<sup>1</sup> H-NMR study of the quadruplex [d(TGGGT)] <sub>4</sub> containing a modified thymine. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , <b>2003</b> , 22, 1677-80	1.4	2
13	A bunch-oligonucleotide forming stable monomolecular quadruplex containing a T-tetrad. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , <b>2005</b> , 24, 443-6	1.4	2
12	Synthesis and structural study of quadruplex structures containing 2R-deoxy-8-methyladenosine. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , <b>2005</b> , 24, 539-43	1.4	2
11	<sup>1</sup> H and <sup>13</sup> C NMR Spectra of Imidazo[1,2-a]pyrazines. <i>Magnetic Resonance in Chemistry</i> , <b>1996</b> , 34, 409-414	4.1	2
10	Probing the Importance of the G-Quadruplex Grooves for the Activity of the Anti-HIV-Integrase Aptamer T30923. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	2
9	Novel monomolecular derivatives of the anti-HIV-1 G-quadruplex-forming Hotoda aptamer containing inversion of polarity sites. <i>European Journal of Medicinal Chemistry</i> , <b>2020</b> , 208, 112786	6.8	2
8	Oligonucleotides direct synthesis on porous silicon chip. <i>Nucleic Acids Symposium Series</i> , <b>2008</b> , 721-2		1
7	Effect of the introduction of an A-residue into a quadruplex forming oligonucleotide containing a 5R polarity of inversion site. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , <b>2007</b> , 26, 1151-4	1.4	1
6	Unusual monomolecular DNA quadruplex structures using bunch-oligonucleotides. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , <b>2005</b> , 24, 739-41	1.4	1
5	Exploring New Potential Anticancer Activities of the G-Quadruplexes Formed by [(GTGT(GT))] and Its Derivatives with an Abasic Site Replacing Single Thymidine. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	1
4	G-triplex stability in human telomeric DNA with epigenetic modification/oxidative damage to thymine. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2018</b> , 134, 1253-1259	4.1	0
3	Antiproliferative Effects of the Aptamer d(GGGT) <sub>4</sub> and Its Analogues with an Abasic-Site Mimic Loop on Different Cancer Cells. <i>International Journal of Molecular Sciences</i> , <b>2022</b> , 23, 5952	6.3	0
2	Studies on Alternate Strand Triple Helix Formation by Oligodeoxyribonucleotides Containing A 3'-3' Phosphodiester Bond. <i>Nucleosides &amp; Nucleotides</i> , <b>1998</b> , 17, 1709-1716		
1	Synthesis and characterization of tetra-end linked oligonucleotides capable of forming monomolecular G-quadruplexes. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , <b>2007</b> , 26, 1231-6	1.4	

