

Veronica Esposito

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

68

papers

1,528

citations

23

h-index

37

g-index

71

ext. papers

1,653

ext. citations

6.3

avg, IF

4.09

L-index

#	Paper	IF	Citations
68	Antiproliferative Effects of the Aptamer d(GGGT) ₄ and Its Analogues with an Abasic-Site Mimic Loop on Different Cancer Cells. <i>International Journal of Molecular Sciences</i> , 2022 , 23, 5952	6.3	0
67	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> , 2021 , 22,	6.3	1
66	Aptamers against the β -Conglutin Allergen: Insights into the Behavior of the Shortest Multimeric (Intra)Molecular DNA G-Quadruplex. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	5
65	uL3 Mediated Nucleolar Stress Pathway as a New Mechanism of Action of Antiproliferative G-quadruplex TBA Derivatives in Colon Cancer Cells. <i>Biomolecules</i> , 2020 , 10,	5.9	13
64	Improved performances of catalytic G-quadruplexes (G4-DNAzymes) via the chemical modifications of the DNA backbone to provide G-quadruplexes with double 3'external G-quartets. <i>International Journal of Biological Macromolecules</i> , 2020 , 151, 976-983	7.9	9
63	Structural properties and anticoagulant/cytotoxic activities of heterochiral enantiomeric thrombin binding aptamer (TBA) derivatives. <i>Nucleic Acids Research</i> , 2020 , 48, 12556-12565	20.1	6
62	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> , 2020 , 21,	6.3	2
61	Novel monomolecular derivatives of the anti-HIV-1 G-quadruplex-forming Hotoda's aptamer containing inversion of polarity sites. <i>European Journal of Medicinal Chemistry</i> , 2020 , 208, 112786	6.8	2
60	Investigating the properties of TBA variants with twin thrombin binding domains. <i>Scientific Reports</i> , 2019 , 9, 9184	4.9	15
59	Human AP-endonuclease (Ape1) activity on telomeric G4 structures is modulated by acetylatable lysine residues in the N-terminal sequence. <i>DNA Repair</i> , 2019 , 73, 129-143	4.3	24
58	Structural studies and biological evaluation of T30695 variants modified with single chiral glycerol-T reveal the importance of LEDGF/p75 for the aptamer anti-HIV-integrase activities. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2019 , 1863, 351-361	4	0
57	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> , 2018 , 1862, 2645-2650	4	18
56	Improvement of the activity of the anti-HIV-1 integrase aptamer T30175 by introducing a modified thymidine into the loops. <i>Scientific Reports</i> , 2018 , 8, 7447	4.9	17
55	The "Janus face" of the thrombin binding aptamer: Investigating the anticoagulant and antiproliferative properties through straightforward chemical modifications. <i>Bioorganic Chemistry</i> , 2018 , 76, 202-209	5.1	13
54	G-triplex stability in human telomeric DNA with epigenetic modification/oxidative damage to thymine. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018 , 134, 1253-1259	4.1	0
53	Monomolecular G-quadruplex structures with inversion of polarity sites: new topologies and potentiality. <i>Nucleic Acids Research</i> , 2017 , 45, 8156-8166	20.1	10
52	Optimization of benzoquinone and hydroquinone derivatives as potent inhibitors of human 5-lipoxygenase. <i>European Journal of Medicinal Chemistry</i> , 2017 , 127, 715-726	6.8	17

51	Backbone modified TBA analogues endowed with antiproliferative activity. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017 , 1861, 1213-1221	4	21
50	Improved thrombin binding aptamer analogues containing inversion of polarity sites: structural effects of extra-residues at the ends. <i>Organic and Biomolecular Chemistry</i> , 2016 , 14, 7707-14	3.9	12
49	Exploring the role of chloro and methyl substitutions in 2-phenylthiomethyl-benzoindole derivatives for 5-LOX enzyme inhibition. <i>European Journal of Medicinal Chemistry</i> , 2016 , 108, 466-475	6.8	15
48	A novel pyrimidine tetrad contributing to stabilize tetramolecular G-quadruplex structures. <i>Organic and Biomolecular Chemistry</i> , 2016 , 14, 2938-43	3.9	3
47	The Introduction of Inversion of Polarity Sites in DNA G-Quadruplex Structures: Effects and Perspectives. <i>Mini-Reviews in Medicinal Chemistry</i> , 2016 , 16, 509-23	3.2	7
46	Exploring the binding of d(GGGT) ₄ to the HIV-1 integrase: An approach to investigate G-quadruplex aptamer/target protein interactions. <i>Biochimie</i> , 2016 , 127, 19-22	4.6	23
45	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> , 2015 , 43, 7702-16	20.1	33
44	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> , 2015 , 43, 10602-11	20.1	31
43	Unusual Chair-Like G-Quadruplex Structures: Heterochiral TBA Analogues Containing Inversion of Polarity Sites. <i>Journal of Chemistry</i> , 2015 , 2015, 1-6	2.3	4
42	The oxidative damage to the human telomere: effects of 5-hydroxymethyl-2Tdeoxyuridine on telomeric G-quadruplex structures. <i>Organic and Biomolecular Chemistry</i> , 2015 , 13, 7421-9	3.9	12
41	More than one non-canonical phosphodiester bond in the G-tract: formation of unusual parallel G-quadruplex structures. <i>Organic and Biomolecular Chemistry</i> , 2014 , 12, 534-40	3.9	3
40	5-Hydroxymethyl-2Tdeoxyuridine residues in the thrombin binding aptamer: investigating anticoagulant activity by making a tiny chemical modification. <i>ChemBioChem</i> , 2014 , 15, 2427-34	3.8	28
39	Expanding the potential of G-quadruplex structures: formation of a heterochiral TBA analogue. <i>ChemBioChem</i> , 2014 , 15, 652-5	3.8	17
38	A straightforward modification in the thrombin binding aptamer improving the stability, affinity to thrombin and nuclease resistance. <i>Organic and Biomolecular Chemistry</i> , 2014 , 12, 8840-3	3.9	30
37	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> , 2013 , 49, 7935-7	5.8	7
36	Novel pyrimidopyrimidine derivatives for inhibition of cellular proliferation and motility induced by h-prune in breast cancer. <i>European Journal of Medicinal Chemistry</i> , 2012 , 57, 41-50	6.8	19
35	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> , 2012 , 13, 2219-24	3.8	22
34	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> , 2012 , 1820, 2037-43	4	19

33	The insertion of two 8-methyl-2'-deoxyguanosine residues in tetramolecular quadruplex structures: trying to orientate the strands. <i>Nucleic Acids Research</i> , 2012 , 40, 461-75	20.1	63
32	Strand directionality affects cation binding and movement within tetramolecular G-quadruplexes. <i>Nucleic Acids Research</i> , 2012 , 40, 11047-57	20.1	37
31	Effects of 8-methylguanine on structure, stability and kinetics of formation of tetramolecular quadruplexes. <i>Biochimie</i> , 2011 , 93, 399-408	4.6	41
30	Unprecedented right- and left-handed quadruplex structures formed by heterochiral oligodeoxyribonucleotides. <i>Biochimie</i> , 2011 , 93, 1193-6	4.6	11
29	Design, synthesis, biophysical and biological studies of trisubstituted naphthalimides as G-quadruplex ligands. <i>Bioorganic and Medicinal Chemistry</i> , 2011 , 19, 6419-29	3.4	32
28	Effects of abasic sites on structural, thermodynamic and kinetic properties of quadruplex structures. <i>Nucleic Acids Research</i> , 2010 , 38, 2069-80	20.1	29
27	MicroRNA-199b-5p impairs cancer stem cells through negative regulation of HES1 in medulloblastoma. <i>PLoS ONE</i> , 2009 , 4, e4998	3.7	208
26	Effects of the introduction of inversion of polarity sites in the quadruplex forming oligonucleotide TGGGT. <i>Bioorganic and Medicinal Chemistry</i> , 2009 , 17, 1997-2001	3.4	27
25	Studies on the influence of inversion of polarity sites on the dG residues glycosidic conformation in quadruplex structures. <i>Nucleic Acids Symposium Series</i> , 2008 , 177-8		4
24	A topological classification of G-quadruplex structures. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2007 , 26, 1155-9	1.4	24
23	A mini-library of TBA analogues containing 3F3T and 5F5T inversion of polarity sites. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2007 , 26, 1145-9	1.4	13
22	Molecular modelling studies of four stranded quadruplexes containing a 3F3T or 5F5T inversion of polarity site. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2007 , 26, 1139-43	1.4	7
21	A new modified thrombin binding aptamer containing a 5F5T inversion of polarity site. <i>Nucleic Acids Research</i> , 2006 , 34, 6653-62	20.1	83
20	8-methyl-2'-deoxyguanosine incorporation into parallel DNA quadruplex structures. <i>Nucleic Acids Research</i> , 2005 , 33, 6188-95	20.1	55
19	Effects of a 8-oxoadenosine incorporation on quadruplex structures: thermal stabilities and structural studies. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2005 , 24, 783-8	1.4	4
18	A new class of DNA quadruplexes formed by oligodeoxyribonucleotides containing a 3F3T or 5F5T inversion of polarity site. <i>Chemical Communications</i> , 2005 , 3953-5	5.8	38
17	Relative stability of quadruplexes containing different number of G-tetrads. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2005 , 24, 757-60	1.4	11
16	Thermodynamics and kinetics of PNA-DNA quadruplex-forming chimeras. <i>Journal of the American Chemical Society</i> , 2005 , 127, 16215-23	16.4	42

15	Structural studies on LNA quadruplexes. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2005 , 24, 795-800	1.4	13
14	Interaction of porphyrin with G-quadruplex structures. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2005 , 24, 753-6	1.4	9
13	Effects of 8-methyl-2Tdeoxyadenosine incorporation into quadruplex forming oligodeoxyribonucleotides. <i>Bioorganic and Medicinal Chemistry</i> , 2005 , 13, 1037-44	3.4	21
12	Biophysical properties of quadruple helices of modified human telomeric DNA. <i>Biopolymers</i> , 2005 , 77, 75-85	2.2	24
11	Synthesis and structural study of quadruplex structures containing 2Tdeoxy-8-methyladenosine. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2005 , 24, 539-43	1.4	2
10	Molecular modeling studies of a parallel stranded quadruplexes containing a 8-bromoadenosine. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2005 , 24, 789-94	1.4	2
9	NMR solution structure of a parallel LNA quadruplex. <i>Nucleic Acids Research</i> , 2004 , 32, 3083-92	20.1	49
8	Structural study of four-stranded quadruplex structures containing 2Tdeoxy-8-(propyn-1-yl)adenosine. <i>Bioorganic and Medicinal Chemistry</i> , 2004 , 12, 1191-7	3.4	6
7	Effects of an 8-bromodeoxyguanosine incorporation on the parallel quadruplex structure [d(TGGGT)] ₄ . <i>Organic and Biomolecular Chemistry</i> , 2004 , 2, 313-8	3.9	66
6	Stability and structure of telomeric DNA sequences forming quadruplexes containing four G-tetrads with different topological arrangements. <i>Biochemistry</i> , 2004 , 43, 4877-84	3.2	67
5	Synthesis and Structural Characterization of PNA-DNA Quadruplex-Forming Chimeras. <i>European Journal of Organic Chemistry</i> , 2003 , 2003, 3364-3371	3.2	8
4	Configuration assignment in small organic molecules via residual dipolar couplings. <i>Chemical Communications</i> , 2003 , 154-5	5.8	42
3	PNA-DNA chimeras forming quadruplex structures. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2003 , 22, 1681-4	1.4	4
2	¹ H-NMR study of the quadruplex [d(TGGGT)] ₄ containing a modified thymine. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2003 , 22, 1677-80	1.4	2
1	Interaction of distamycin A and netropsin with quadruplex and duplex structures: a comparative ¹ H-NMR study. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2002 , 21, 535-45	1.4	26