

Veronica Esposito

List of Publications by Year in descending order

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69
papers

1,783
citations

257101

24
h-index

288905

40
g-index

71
all docs

71
docs citations

71
times ranked

1942
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | MicroRNA-199b-5p Impairs Cancer Stem Cells through Negative Regulation of HES1 in Medulloblastoma. PLoS ONE, 2009, 4, e4998. | 1.1 | 233 |
| 2 | A new modified thrombin binding aptamer containing a 5'→3' inversion of polarity site. Nucleic Acids Research, 2006, 34, 6653-6662. | 6.5 | 91 |
| 3 | Effects of an 8-bromodeoxyguanosine incorporation on the parallel quadruplex structure [d(TGGGT)] ₄ . Organic and Biomolecular Chemistry, 2004, 2, 313. | 1.5 | 73 |
| 4 | The insertion of two 8-methyl-2'-deoxyguanosine residues in tetramolecular quadruplex structures: trying to orientate the strands. Nucleic Acids Research, 2012, 40, 461-475. | 6.5 | 73 |
| 5 | Stability and Structure of Telomeric DNA Sequences Forming Quadruplexes Containing Four G-Tetrads with Different Topological Arrangements. Biochemistry, 2004, 43, 4877-4884. | 1.2 | 70 |
| 6 | 8-Methyl-2'-deoxyguanosine incorporation into parallel DNA quadruplex structures. Nucleic Acids Research, 2005, 33, 6188-6195. | 6.5 | 62 |
| 7 | NMR solution structure of a parallel LNA quadruplex. Nucleic Acids Research, 2004, 32, 3083-3092. | 6.5 | 52 |
| 8 | Configuration assignment in small organic molecules via residual dipolar couplings. Electronic supplementary information (ESI) available: Listing of the C program RDC_AX, tridimensional models of compounds 1, 3-epi-1, 7-epi-1, and 12-epi-1 in PDB format, and the command files for 1, 3-epi-1, 7-epi-1, and 12-epi-1. See http://www.rsc.org/suppdata/cc/b2/b210454g/ . Chemical Communications, 2003, , 154-155. | 2.2 | 49 |
| 9 | Effects of 8-methylguanine on structure, stability and kinetics of formation of tetramolecular quadruplexes. Biochimie, 2011, 93, 399-408. | 1.3 | 47 |
| 10 | Human AP-endonuclease (Ape1) activity on telomeric G4 structures is modulated by acetylable lysine residues in the N-terminal sequence. DNA Repair, 2019, 73, 129-143. | 1.3 | 45 |
| 11 | Thermodynamics and Kinetics of PNA~DNA Quadruplex-Forming Chimeras. Journal of the American Chemical Society, 2005, 127, 16215-16223. | 6.6 | 44 |
| 12 | Site specific replacements of a single loop nucleoside with a dibenzyl linker may switch the activity of TBA from anticoagulant to antiproliferative. Nucleic Acids Research, 2015, 43, 7702-7716. | 6.5 | 42 |
| 13 | A new class of DNA quadruplexes formed by oligodeoxyribonucleotides containing a 3'→3' or 5'→5' inversion of polarity site. Chemical Communications, 2005, , 3953. | 2.2 | 39 |
| 14 | Strand directionality affects cation binding and movement within tetramolecular G-quadruplexes. Nucleic Acids Research, 2012, 40, 11047-11057. | 6.5 | 39 |
| 15 | Site-specific replacement of the thymine methyl group by fluorine in thrombin binding aptamer significantly improves structural stability and anticoagulant activity. Nucleic Acids Research, 2015, 43, 10602-10611. | 6.5 | 38 |
| 16 | A straightforward modification in the thrombin binding aptamer improving the stability, affinity to thrombin and nuclease resistance. Organic and Biomolecular Chemistry, 2014, 12, 8840-8843. | 1.5 | 37 |
| 17 | Effects of abasic sites on structural, thermodynamic and kinetic properties of quadruplex structures. Nucleic Acids Research, 2010, 38, 2069-2080. | 6.5 | 34 |
| 18 | Design, synthesis, biophysical and biological studies of trisubstituted naphthalimides as G-quadruplex ligands. Bioorganic and Medicinal Chemistry, 2011, 19, 6419-6429. | 1.4 | 33 |

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|----|--|-----|-----------|
| 19 | INTERACTION OF DISTAMYCIN A AND NETROPSIN WITH QUADRUPLEX AND DUPLEX STRUCTURES: A COMPARATIVE 1H-NMR STUDY. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2002, 21, 535-545. | 0.4 | 31 |
| 20 | 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. | 1.4 | 31 |
| 21 | 5-Hydroxymethyl-2-Deoxyuridine Residues in the Thrombin Binding Aptamer: Investigating Anticoagulant Activity by Making a Tiny Chemical Modification. <i>ChemBioChem</i> , 2014, 15, 2427-2434. | 1.3 | 30 |
| 22 | A Topological Classification of G-Quadruplex Structures. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2007, 26, 1155-1159. | 0.4 | 28 |
| 23 | Backbone modified TBA analogues endowed with antiproliferative activity. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 1213-1221. | 1.1 | 27 |
| 24 | 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. | 1.1 | 26 |
| 25 | Biophysical properties of quadruple helices of modified human telomeric DNA. <i>Biopolymers</i> , 2005, 77, 75-85. | 1.2 | 25 |
| 26 | 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. | 1.3 | 25 |
| 27 | Optimization of benzoquinone and hydroquinone derivatives as potent inhibitors of human 5-lipoxygenase. <i>European Journal of Medicinal Chemistry</i> , 2017, 127, 715-726. | 2.6 | 25 |
| 28 | 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, 2219-2224. | 1.3 | 23 |
| 29 | 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. | 2.6 | 23 |
| 30 | Effects of 8-methyl-2-deoxyadenosine incorporation into quadruplex forming oligodeoxyribonucleotides. <i>Bioorganic and Medicinal Chemistry</i> , 2005, 13, 1037-1044. | 1.4 | 22 |
| 31 | 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. | 2.6 | 22 |
| 32 | 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. | 1.6 | 21 |
| 33 | The abasic site lesions in the human telomeric sequence d[TA(G3T2A)3G3]: A thermodynamic point of view. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2012, 1820, 2037-2043. | 1.1 | 20 |
| 34 | Expanding the Potential of G-Quadruplex Structures: Formation of a Heterochiral TBA Analogue. <i>ChemBioChem</i> , 2014, 15, 652-655. | 1.3 | 20 |
| 35 | Structural properties and anticoagulant/cytotoxic activities of heterochiral enantiomeric thrombin binding aptamer (TBA) derivatives. <i>Nucleic Acids Research</i> , 2020, 48, 12556-12565. | 6.5 | 19 |
| 36 | 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, 583. | 1.8 | 19 |

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|----|--|-----|-----------|
| 37 | STRUCTURAL STUDIES ON LNA QUADRUPLEXES. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2005, 24, 795-800. | 0.4 | 18 |
| 38 | Investigating the properties of TBA variants with twin thrombin binding domains. <i>Scientific Reports</i> , 2019, 9, 9184. | 1.6 | 17 |
| 39 | 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. | 2.0 | 17 |
| 40 | A Mini-Library of TBA Analogues Containing 3' and 5' Inversion of Polarity Sites. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2007, 26, 1145-1149. | 0.4 | 15 |
| 41 | RELATIVE STABILITY OF QUADRUPLEXES CONTAINING DIFFERENT NUMBER OF G-TETRADES. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2005, 24, 757-760. | 0.4 | 14 |
| 42 | The oxidative damage to the human telomere: effects of 5-hydroxymethyl-2-deoxyuridine on telomeric G-quadruplex structures. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 7421-7429. | 1.5 | 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> , 2016, 14, 7707-7714. | 1.5 | 13 |
| 44 | INTERACTION OF PORPHYRIN WITH G-QUADRUPLEX STRUCTURES. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2005, 24, 753-756. | 0.4 | 12 |
| 45 | Unprecedented right- and left-handed quadruplex structures formed by heterochiral oligodeoxyribonucleotides. <i>Biochimie</i> , 2011, 93, 1193-1196. | 1.3 | 11 |
| 46 | Monomolecular G-quadruplex structures with inversion of polarity sites: new topologies and potentiality. <i>Nucleic Acids Research</i> , 2017, 45, 8156-8166. | 6.5 | 11 |
| 47 | 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. | 3.6 | 11 |
| 48 | Synthesis and Structural Characterization of PNA-DNA Quadruplex-Forming Chimeras. <i>European Journal of Organic Chemistry</i> , 2003, 2003, 3364-3371. | 1.2 | 8 |
| 49 | | | |

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|----|---|-----|-----------|
| 55 | Aptamers Against the \hat{I}^2 -Conglutin Allergen: Insights into the Behavior of the Shortest Multimeric(Intra)Molecular DNA G-Quadruplex. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1150. | 1.8 | 6 |
| 56 | Unusual Chair-Like G-Quadruplex Structures: Heterochiral TBA Analogues Containing Inversion of Polarity Sites. <i>Journal of Chemistry</i> , 2015, 2015, 1-6. | 0.9 | 5 |
| 57 | EFFECTS OF A 8-OXOADENOSINE INCORPORATION ON QUADRUPLEX STRUCTURES: THERMAL STABILITIES AND STRUCTURAL STUDIES. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2005, 24, 783-788. | 0.4 | 4 |
| 58 | 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, 52, 177-178. | 0.3 | 4 |
| 59 | A novel pyrimidine tetrad contributing to stabilize tetramolecular G-quadruplex structures. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 2938-2943. | 1.5 | 4 |
| 60 | ¹ H-NMR Study of the Quadruplex [d(TGGGT)] ₄ Containing a Modified Thymine. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2003, 22, 1677-1680. | 0.4 | 3 |
| 61 | 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, 534-540. | 1.5 | 3 |
| 62 | SYNTHESIS AND STRUCTURAL STUDY OF QUADRUPLEX STRUCTURES CONTAINING 2-DEOXY-8-METHYLADENOSINE. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2005, 24, 539-543. | 0.4 | 2 |
| 63 | MOLECULAR MODELING STUDIES OF A PARALLEL STRANDED QUADRUPLEXES CONTAINING A 8-BROMOADENOSINE. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2005, 24, 789-794. | 0.4 | 2 |
| 64 | 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, 5637. | 1.8 | 2 |
| 65 | 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. | 2.6 | 2 |
| 66 | Discovering New G-Quadruplex DNA Catalysts in Enantioselective Sulfoxidation Reaction. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1092. | 1.8 | 2 |
| 67 | 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. | 1.8 | 2 |
| 68 | 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. | 2.0 | 1 |
| 69 | 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. | 1.1 | 1 |