

Marco Di Antonio

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5899255/publications.pdf>

Version: 2024-02-01

40
papers

5,913
citations

159525

30
h-index

302012

39
g-index

42
all docs

42
docs citations

42
times ranked

5101
citing authors

#	ARTICLE	IF	CITATIONS
1	High-throughput sequencing of DNA G-quadruplex structures in the human genome. <i>Nature Biotechnology</i> , 2015, 33, 877-881.	9.4	954
2	G-quadruplex structures mark human regulatory chromatin. <i>Nature Genetics</i> , 2016, 48, 1267-1272.	9.4	683
3	DNA G-quadruplexes in the human genome: detection, functions and therapeutic potential. <i>Nature Reviews Molecular Cell Biology</i> , 2017, 18, 279-284.	16.1	667
4	Visualization and selective chemical targeting of RNA G-quadruplex structures in the cytoplasm of human cells. <i>Nature Chemistry</i> , 2014, 6, 75-80.	6.6	511
5	CX-5461 is a DNA G-quadruplex stabilizer with selective lethality in BRCA1/2 deficient tumours. <i>Nature Communications</i> , 2017, 8, 14432.	5.8	379
6	Whole genome experimental maps of DNA G-quadruplexes in multiple species. <i>Nucleic Acids Research</i> , 2019, 47, 3862-3874.	6.5	280
7	Single-molecule visualization of DNA G-quadruplex formation in live cells. <i>Nature Chemistry</i> , 2020, 12, 832-837.	6.6	235
8	DNA G-quadruplex structures mold the DNA methylome. <i>Nature Structural and Molecular Biology</i> , 2018, 25, 951-957.	3.6	185
9	An RNA thermoswitch regulates daytime growth in Arabidopsis. <i>Nature Plants</i> , 2020, 6, 522-532.	4.7	155
10	Selective RNA Versus DNA G-quadruplex Targeting by In situ Click Chemistry. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 11073-11078.	7.2	144
11	Quinone Methides Tethered to Naphthalene Diimides as Selective G-Quadruplex Alkylating Agents. <i>Journal of the American Chemical Society</i> , 2009, 131, 13132-13141.	6.6	140
12	DNA G-quadruplex structures: more than simple roadblocks to transcription?. <i>Nucleic Acids Research</i> , 2021, 49, 8419-8431.	6.5	129
13	G-Quadruplex DNA as a Molecular Target for Induced Synthetic Lethality in Cancer Cells. <i>Journal of the American Chemical Society</i> , 2013, 135, 9640-9643.	6.6	121
14	Machine learning model for sequence-driven DNA G-quadruplex formation. <i>Scientific Reports</i> , 2017, 7, 14535.	1.6	111
15	Pyridostatin analogues promote telomere dysfunction and long-term growth inhibition in human cancer cells. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 6537.	1.5	109
16	Hybrid ligand-alkylating agents targeting telomeric G-quadruplex structures. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 2798.	1.5	94
17	Photogeneration and Reactivity of Naphthoquinone Methides as Purine Selective DNA Alkylating Agents. <i>Journal of the American Chemical Society</i> , 2010, 132, 14625-14637.	6.6	91
18	Genetic interactions of G-quadruplexes in humans. <i>ELife</i> , 2019, 8, .	2.8	91

#	ARTICLE	IF	CITATIONS
19	Naphthalene diimide scaffolds with dual reversible and covalent interaction properties towards G-quadruplex. <i>Biochimie</i> , 2011, 93, 1328-1340.	1.3	86
20	Chemical-biology approaches to probe DNA and RNA G-quadruplex structures in the genome. <i>Chemical Communications</i> , 2020, 56, 1317-1324.	2.2	69
21	Reprogramming the Mechanism of Action of Chlorambucil by Coupling to a G-Quadruplex Ligand. <i>Journal of the American Chemical Society</i> , 2014, 136, 5860-5863.	6.6	66
22	Proximity-Induced H-Aggregation of Cyanine Dyes on DNA-Duplexes. <i>Journal of Physical Chemistry A</i> , 2016, 120, 9941-9947.	1.1	66
23	Unraveling Mechanisms of Chiral Induction in Double-Helical Metallopolymers. <i>Journal of the American Chemical Society</i> , 2018, 140, 10344-10353.	6.6	59
24	Substituted Heterocyclic Naphthalene Diimides with Unexpected Acidity. Synthesis, Properties, and Reactivity. <i>Journal of Organic Chemistry</i> , 2009, 74, 8616-8625.	1.7	51
25	Quinone Methide Generation via Photoinduced Electron Transfer. <i>Journal of Organic Chemistry</i> , 2011, 76, 3096-3106.	1.7	43
26	An Acetylene-Bridged 6,8-Purine Dimer as a Fluorescent Switch-On Probe for Parallel G-Quadruplexes. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 1428-1431.	7.2	43
27	Structure of a (3+1) hybrid G-quadruplex in the <i>PARP1</i> promoter. <i>Nucleic Acids Research</i> , 2019, 47, 1564-1572.	6.5	43
28	Experimental approaches to identify cellular G-quadruplex structures and functions. <i>Methods</i> , 2012, 57, 84-92.	1.9	40
29	Novel Naphthalene Diimides as Activatable Precursors of Bisalkylating Agents, by Reduction and Base Catalysis. <i>Journal of Organic Chemistry</i> , 2007, 72, 8354-8360.	1.7	36
30	An Activatable Cancer-Targeted Hydrogen Peroxide Probe for Photoacoustic and Fluorescence Imaging. <i>Cancer Research</i> , 2019, 79, 5407-5417.	0.4	31
31	Light-mediated in cell downregulation of G-quadruplex-containing genes using a photo-caged ligand. <i>Chemical Communications</i> , 2013, 49, 8453.	2.2	29
32	Dual Binding of an Antibody and a Small Molecule Increases the Stability of TERRA G-Quadruplex. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 910-913.	7.2	28
33	A short peptide that preferentially binds c-MYC G-quadruplex DNA. <i>Chemical Communications</i> , 2020, 56, 8940-8943.	2.2	24
34	Downregulation of Androgen Receptor Transcription by Promoter G-Quadruplex Stabilization as a Potential Alternative Treatment for Castrate-Resistant Prostate Cancer. <i>Biochemistry</i> , 2013, 52, 1429-1436.	1.2	23
35	Cockayne Syndrome B Protein Selectively Resolves and Interact with Intermolecular DNA G-Quadruplex Structures. <i>Journal of the American Chemical Society</i> , 2021, 143, 20988-21002.	6.6	22
36	Cation-Responsive and Photocleavable Hydrogels from Noncanonical Amphiphilic DNA Nanostructures. <i>Nano Letters</i> , 2022, 22, 602-611.	4.5	21

#	ARTICLE	IF	CITATIONS
37	Effect of polymer topology on non-covalent polymer-protein complexation: miktoarm versus linear mPEG-poly(glutamic acid) copolymers. <i>Polymer Chemistry</i> , 2017, 8, 2210-2220.	1.9	19
38	The unexplored potential of quinone methides in chemical biology. <i>Bioorganic and Medicinal Chemistry</i> , 2019, 27, 2298-2305.	1.4	17
39	Dual Binding of an Antibody and a Small Molecule Increases the Stability of TERRA G-Quadruplex. <i>Angewandte Chemie</i> , 2015, 127, 924-927.	1.6	16
40	Monitoring Real-time Temperature Dynamics of a Short RNA Hairpin Using Förster Resonance Energy Transfer and Circular Dichroism. <i>Bio-protocol</i> , 2021, 11, e3950.	0.2	0