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List of Publications by Year
in descending order

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45 papers	1,559 citations	304743 22 h-index	315739 38 g-index
45 all docs	45 docs citations	45 times ranked	1847 citing authors

#	Article	IF	Citations
1	G-quadruplex, Friend or Foe: The Role of the G-quartet in Anticancer Strategies. Trends in Molecular Medicine, 2020, 26, 848-861.	6.7	181
2	Phosphatidylethanolamine Enhances Rhodopsin Photoactivation and Transducin Binding in a Solid Supported Lipid Bilayer as Determined Using Plasmon-Waveguide Resonance Spectroscopy. Biophysical Journal, 2005, 88, 198-210.	0.5	98
3	How the HIV-1 Nucleocapsid Protein Binds and Destabilises the (â˜)Primer Binding Site During Reverse Transcription. Journal of Molecular Biology, 2008, 383, 1112-1128.	4.2	87
4	G-quadruplex DNA and ligand interaction in living cells using NMR spectroscopy. Chemical Science, 2015, 6, 3314-3320.	7.4	87
5	Retinal dynamics underlie its switch from inverse agonist to agonist during rhodopsin activation. Nature Structural and Molecular Biology, 2011, 18, 392-394.	8.2	75
6	Aptamer-based Targeted Delivery of a G-quadruplex Ligand in Cervical Cancer Cells. Scientific Reports, 2019, 9, 7945.	3.3	73
7	High-resolution three-dimensional NMR structure of the KRAS proto-oncogene promoter reveals key features of a G-quadruplex involved in transcriptional regulation. Journal of Biological Chemistry, 2017, 292, 8082-8091.	3.4	64
8	Structural Analysis and Dynamics of Retinal Chromophore in Dark and Meta I States of Rhodopsin from 2H NMR of Aligned Membranes. Journal of Molecular Biology, 2007, 372, 50-66.	4.2	60
9	Solid-state ² H NMR relaxation illuminates functional dynamics of retinal cofactor in membrane activation of rhodopsin. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 8263-8268.	7.1	57
10	G-Quadruplexes and Their Ligands: Biophysical Methods to Unravel G-Quadruplex/Ligand Interactions. Pharmaceuticals, 2021, 14, 769.	3.8	55
11	Rhodopsin Reconstituted into a Planar-Supported Lipid Bilayer Retains Photoactivity after Cross-Linking Polymerization of Lipid Monomers. Journal of the American Chemical Society, 2005, 127, 5320-5321.	13.7	44
12	Solid-State2H NMR Structure of Retinal in Metarhodopsin I. Journal of the American Chemical Society, 2006, 128, 11067-11071.	13.7	43
13	Structure of two G-quadruplexes in equilibrium in the KRAS promoter. Nucleic Acids Research, 2020, 48, 9336-9345.	14.5	42
14	Fluorescent light-up acridine orange derivatives bind and stabilize KRAS-22RT G-quadruplex. Biochimie, 2018, 144, 144-152.	2.6	41
15	Phthalocyanines for G-quadruplex aptamers binding. Bioorganic Chemistry, 2020, 100, 103920.	4.1	34
16	Aptamer selection by direct microfluidic recovery and surface plasmon resonance evaluation. Biosensors and Bioelectronics, 2016, 80, 418-425.	10.1	33
17	The interaction of antipsychotic drugs with lipids and subsequent lipid reorganization investigated using biophysical methods. Biochimica Et Biophysica Acta - Biomembranes, 2011, 1808, 2009-2018.	2.6	31
18	Unexpected Position-Dependent Effects of Ribose G-Quartets in G-Quadruplexes. Journal of the American Chemical Society, 2017, 139, 7768-7779.	13.7	30

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19	AS1411 derivatives as carriers of G-quadruplex ligands for cervical cancer cells. International Journal of Pharmaceutics, 2019, 568, 118511.	5.2	29
20	The beginning and the end: flanking nucleotides induce a parallel G-quadruplex topology. Nucleic Acids Research, 2021, 49, 9548-9559.	14.5	27
21	Orienting Tetramolecular Gâ€Quadruplex Formation: The Quest for the Elusive RNA Antiparallel Quadruplex. Chemistry - A European Journal, 2015, 21, 6732-6739.	3.3	24
22	Design and Structure Determination of a Composite Zinc Finger Containing a Nonpeptide Foldamer Helical Domain. Journal of the American Chemical Society, 2019, 141, 2516-2525.	13.7	24
23	Phenanthroline polyazamacrocycles as G-quadruplex DNA binders. Organic and Biomolecular Chemistry, 2018, 16, 2776-2786.	2.8	23
24	Structural Studies of HIV-1 Gag p6ct and Its Interaction with Vpr Determined by Solution Nuclear Magnetic Resonance[,]. Biochemistry, 2009, 48, 2355-2367.	2.5	22
25	Phenanthroline-bis-oxazole ligands for binding and stabilization of G-quadruplexes. Biochimica Et Biophysica Acta - General Subjects, 2017, 1861, 1281-1292.	2.4	21
26	Study of the interaction between indole-based compounds and biologically relevant G-quadruplexes. Biochimie, 2017, 135, 186-195.	2.6	20
27	Recognition of nucleolin through interaction with RNA G-quadruplex. Biochemical Pharmacology, 2021, 189, 114208.	4.4	20
28	The Role of Membranes in the Organization of HIV-1 Gag p6 and Vpr: p6 Shows High Affinity for Membrane Bilayers Which Substantially Increases the Interaction between p6 and Vpr.. Journal of Medicinal Chemistry, 2009, 52, 7157-7162.	6.4	19
29	Retinal Conformation and Dynamics in Activation of Rhodopsin Illuminated by Solidâ€state ²H NMR Spectroscopy^{â€}. Photochemistry and Photobiology, 2009, 85, 442-453.	2.5	18
30	NMR Structure of a Viral Peptide Inserted in Artificial Membranes. Journal of Biological Chemistry, 2010, 285, 19409-19421.	3.4	15
31	Targeting the KRAS oncogene: Synthesis, physicochemical and biological evaluation of novel G-Quadruplex DNA binders. European Journal of Pharmaceutical Sciences, 2020, 149, 105337.	4.0	15
32	Human Papillomavirus G-Rich Regions as Potential Antiviral Drug Targets. Nucleic Acid Therapeutics, 2021, 31, 68-81.	3.6	15
33	NMR based model of human telomeric repeat G-quadruplex in complex with 2,4,6-triarylpyridine family ligand. Biochimica Et Biophysica Acta - General Subjects, 2017, 1861, 1293-1302.	2.4	14
34	Synthesis of CD3-Labeled 11-cis-Retinals and Application to Solid-State Deuterium NMR Spectroscopy of Rhodopsin. Bulletin of the Chemical Society of Japan, 2007, 80, 2177-2184.	3.2	13
35	Stabilization of novel immunoglobulin switch regions G-quadruplexes by naphthalene and quinoline-based ligands. Tetrahedron, 2016, 72, 1229-1237.	1.9	12
36	Nanoaggregate-forming lipid-conjugated AS1411 aptamer as a promising tumor-targeted delivery system of anticancer agents in vitro. Nanomedicine: Nanotechnology, Biology, and Medicine, 2021, 36, 102429.	3.3	12

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37	Structural insights into the AapA1 toxin of Helicobacter pylori. Biochimica Et Biophysica Acta - General Subjects, 2020, 1864, 129423.	2.4	11
38	hnRNPA1/UP1 Unfolds KRAS G-Quadruplexes and Feeds a Regulatory Axis Controlling Gene Expression. ACS Omega, 2021, 6, 34092-34106.	3.5	11
39	1H, 13C, and 15N chemical shift assignments of a G-quadruplex forming sequence within the KRAS proto-oncogene promoter region. Biomolecular NMR Assignments, 2018, 12, 123-127.	0.8	10
40	Ligand screening to pre-miRNA 149 G-quadruplex investigated by molecular dynamics. Journal of Biomolecular Structure and Dynamics, 2020, 38, 2276-2286.	3.5	10
41	Interaction of a peptide derived from C-terminus of human TRPA1 channel with model membranes mimicking the inner leaflet of the plasma membrane. Biochimica Et Biophysica Acta - Biomembranes, 2015, 1848, 1147-1156.	2.6	9
42	Insights into internal dynamics of 6â€phosphogluconolactonase from Trypanosoma brucei studied by nuclear magnetic resonance and molecular dynamics. Proteins: Structure, Function and Bioinformatics, 2012, 80, 1196-1210.	2.6	8
43	Tuning molecular interactions in lipid-oligonucleotides assemblies via locked nucleic acid (LNA)-based lipids. Organic and Biomolecular Chemistry, 2013, 11, 7108.	2.8	8
44	Pre-miRNA-149 G-quadruplex as a molecular agent to capture nucleolin. European Journal of Pharmaceutical Sciences, 2022, 169, 106093.	4.0	7
45	Targeting a G-quadruplex from let-7e pre-miRNA with small molecules and nucleolin. Journal of Pharmaceutical and Biomedical Analysis, 2022, 215, 114757.	2.8	7