

Gary N Parkinson

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

6,935
citations

361413

20
h-index

454955

30
g-index

31
all docs

31
docs citations

31
times ranked

5279
citing authors

#	ARTICLE	IF	CITATIONS
1	Quadruplex DNA: sequence, topology and structure. <i>Nucleic Acids Research</i> , 2006, 34, 5402-5415.	14.5	2,049
2	Crystal structure of parallel quadruplexes from human telomeric DNA. <i>Nature</i> , 2002, 417, 876-880.	27.8	1,889
3	Telomere maintenance as a target for anticancer drug discovery. <i>Nature Reviews Drug Discovery</i> , 2002, 1, 383-393.	46.4	577
4	Crystal Structure of the Potassium Form of an <i>Oxytricha nova</i> G-quadruplex. <i>Journal of Molecular Biology</i> , 2002, 320, 189-200.	4.2	317
5	Structural Basis for Binding of Porphyrin to Human Telomeres. <i>Biochemistry</i> , 2007, 46, 2390-2397.	2.5	303
6	A crystallographic and modelling study of a human telomeric RNA (TERRA) quadruplex. <i>Nucleic Acids Research</i> , 2010, 38, 5569-5580.	14.5	213
7	Structural Basis for Telomeric G-Quadruplex Targeting by Naphthalene Diimide Ligands. <i>Journal of the American Chemical Society</i> , 2012, 134, 2723-2731.	13.7	213
8	Molecular Dynamics and Principal Components Analysis of Human Telomeric Quadruplex Multimers. <i>Biophysical Journal</i> , 2008, 95, 296-311.	0.5	189
9	G-quadruplexes: Emerging roles in neurodegenerative diseases and the non-coding transcriptome. <i>FEBS Letters</i> , 2015, 589, 1653-1668.	2.8	185
10	G-quadruplex-binding small molecules ameliorate <i>C9orf72</i> <i>FTD</i> / <i>ALS</i> pathology <i>in vitro</i> and <i>in vivo</i> . <i>EMBO Molecular Medicine</i> , 2018, 10, 22-31.	6.9	178
11	Topology Conservation and Loop Flexibility in Quadruplex "Drug Recognition: Crystal Structures of Inter- and Intramolecular Telomeric DNA Quadruplex "Drug Complexes. <i>Journal of Molecular Biology</i> , 2008, 381, 1145-1156.	4.2	165
12	Structural Basis of Telomeric RNA Quadruplex "Acridine Ligand Recognition. <i>Journal of the American Chemical Society</i> , 2011, 133, 2721-2728.	13.7	125
13	Crystal structure of a c-kit promoter quadruplex reveals the structural role of metal ions and water molecules in maintaining loop conformation. <i>Nucleic Acids Research</i> , 2012, 40, 4691-4700.	14.5	117
14	Crystallographic studies of quadruplex nucleic acids. <i>Methods</i> , 2007, 43, 252-263.	3.8	74
15	Structural Insights into the Quadruplex "Duplex 3' Interface Formed from a Telomeric Repeat: A Potential Molecular Target. <i>Journal of the American Chemical Society</i> , 2016, 138, 1226-1233.	13.7	56
16	Near-infrared dual bioluminescence imaging in mouse models of cancer using infraluciferin. <i>ELife</i> , 2019, 8, .	6.0	47
17	Crystal Structure of a Promoter Sequence in the <i>B-raf</i> Gene Reveals an Intertwined Dimer Quadruplex. <i>Journal of the American Chemical Society</i> , 2013, 135, 19319-19329.	13.7	45
18	Selectivity of major isoquinoline alkaloids from <i>Chelidonium majus</i> towards telomeric G-quadruplex: A study using a transition-FRET (t-FRET) assay. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 2020-2030.	2.4	38

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19	Characterization of Carbamazepine-Nicotinamide Cocrystal Polymorphs with Rapid Heating DSC and XRPD. <i>Crystal Growth and Design</i> , 2011, 11, 1177-1181.	3.0	28
20	A naphthalene diimide G-quadruplex ligand inhibits cell growth and down-regulates BCL-2 expression in an imatinib-resistant gastrointestinal cancer cell line. <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 2958-2964.	3.0	23
21	BMPQ-1 binds selectively to (3+1) hybrid topologies in human telomeric G-quadruplex multimers. <i>Nucleic Acids Research</i> , 2020, 48, 11259-11269.	14.5	21
22	HELIX: a new modular nucleic acid crystallization screen. <i>Journal of Applied Crystallography</i> , 2014, 47, 948-955.	4.5	15
23	X-Ray Crystallographic Studies of G-Quadruplex Structures. <i>Methods in Molecular Biology</i> , 2019, 2035, 131-155.	0.9	15
24	Native de novo structural determinations of non-canonical nucleic acid motifs by X-ray crystallography at long wavelengths. <i>Nucleic Acids Research</i> , 2020, 48, 9886-9898.	14.5	13
25	Holliday Junctions Formed from Human Telomeric DNA. <i>Journal of the American Chemical Society</i> , 2018, 140, 15366-15374.	13.7	12
26	Characterisation of Ilomastat for Prolonged Ocular Drug Release. <i>AAPS PharmSciTech</i> , 2012, 13, 1063-1072.	3.3	11
27	Crystal structures of PI3K-C2 β PX domain indicate conformational change associated with ligand binding. <i>BMC Structural Biology</i> , 2008, 8, 13.	2.3	9
28	Mechanistic In Situ and Ex Situ Studies of Phase Transformations in Molecular Co α Crystals. <i>Chemistry - A European Journal</i> , 2020, 26, 14645-14653.	3.3	4
29	G-Quadruplexes (GQU). <i>Journal of Nucleic Acids</i> , 2018, 2018, 1-2.	1.2	3
30	Towards the Inhibition of Protein α Protein Interactions (PPIs) in STAT3: Insights into a New Class of Benzothiadiazole Derivatives. <i>Molecules</i> , 2020, 25, 3509.	3.8	1