

Katrin Paeschke

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8655730/publications.pdf>

Version: 2024-02-01

37
papers

4,097
citations

361413

20
h-index

361022

35
g-index

40
all docs

40
docs citations

40
times ranked

3728
citing authors

#	ARTICLE	IF	CITATIONS
1	DNA secondary structures: stability and function of G-quadruplex structures. <i>Nature Reviews Genetics</i> , 2012, 13, 770-780.	16.3	1,162
2	DNA Replication through G-Quadruplex Motifs Is Promoted by the <i>Saccharomyces cerevisiae</i> Pif1 DNA Helicase. <i>Cell</i> , 2011, 145, 678-691.	28.9	492
3	Telomere end-binding proteins control the formation of G-quadruplex DNA structures in vivo. <i>Nature Structural and Molecular Biology</i> , 2005, 12, 847-854.	8.2	488
4	Pif1 family helicases suppress genome instability at G-quadruplex motifs. <i>Nature</i> , 2013, 497, 458-462.	27.8	403
5	G-quadruplexes: a promising target for cancer therapy. <i>Molecular Cancer</i> , 2021, 20, 40.	19.2	239
6	G-Quadruplex DNA Sequences Are Evolutionarily Conserved and Associated with Distinct Genomic Features in <i>Saccharomyces cerevisiae</i> . <i>PLoS Computational Biology</i> , 2010, 6, e1000861.	3.2	221
7	Telomerase recruitment by the telomere end binding protein- $\hat{1}^2$ facilitates G-quadruplex DNA unfolding in ciliates. <i>Nature Structural and Molecular Biology</i> , 2008, 15, 598-604.	8.2	137
8	G-quadruplex unwinding helicases and their function <i>in vivo</i> . <i>Biochemical Society Transactions</i> , 2017, 45, 1173-1182.	3.4	132
9	DHX36 prevents the accumulation of translationally inactive mRNAs with G4-structures in untranslated regions. <i>Nature Communications</i> , 2019, 10, 2421.	12.8	112
10	The Human CCHC-type Zinc Finger Nucleic Acid-Binding Protein Binds G-Rich Elements in Target mRNA Coding Sequences and Promotes Translation. <i>Cell Reports</i> , 2017, 18, 2979-2990.	6.4	106
11	Telomeres: Structures in need of unwinding. <i>FEBS Letters</i> , 2010, 584, 3760-3772.	2.8	69
12	Reduced Rif2 and lack of Mec1 target short telomeres for elongation rather than double-strand break repair. <i>Nature Structural and Molecular Biology</i> , 2010, 17, 1438-1445.	8.2	65
13	Hrq1, a Homolog of the Human RecQ4 Helicase, Acts Catalytically and Structurally to Promote Genome Integrity. <i>Cell Reports</i> , 2014, 6, 346-356.	6.4	47
14	Impaired neurogenesis alters brain biomechanics in a neuroprogenitor-based genetic subtype of congenital hydrocephalus. <i>Nature Neuroscience</i> , 2022, 25, 458-473.	14.8	46
15	The Pif1 Helicase, a Negative Regulator of Telomerase, Acts Preferentially at Long Telomeres. <i>PLoS Genetics</i> , 2015, 11, e1005186.	3.5	36
16	Guanine quadruplex monoclonal antibody 1H6 cross-reacts with restrained thymidine-rich single stranded DNA. <i>Nucleic Acids Research</i> , 2017, 45, 5913-5919.	14.5	36
17	The Relevance of G-Quadruplexes for DNA Repair. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12599.	4.1	35
18	The Rad51 paralogs facilitate a novel DNA strand specific damage tolerance pathway. <i>Nature Communications</i> , 2019, 10, 3515.	12.8	26

#	ARTICLE	IF	CITATIONS
19	The use of RNAi to analyze gene function in spirotrichous ciliates. <i>European Journal of Protistology</i> , 2003, 39, 449-454.	1.5	25
20	Cell Cycle Regulation of G-Quadruplex DNA Structures at Telomeres. <i>Current Pharmaceutical Design</i> , 2012, 18, 1867-1872.	1.9	23
21	Zuo1 supports G4 structure formation and directs repair toward nucleotide excision repair. <i>Nature Communications</i> , 2020, 11, 3907.	12.8	22
22	The telomerase-associated protein p43 is involved in anchoring telomerase in the nucleus. <i>Journal of Cell Science</i> , 2003, 116, 1757-1761.	2.0	19
23	Role of folding kinetics of secondary structures in telomeric G-overhangs in the regulation of telomere maintenance in <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , 2020, 295, 8958-8971.	3.4	17
24	Mms1 binds to G-rich regions in <i>Saccharomyces cerevisiae</i> and influences replication and genome stability. <i>Nucleic Acids Research</i> , 2017, 45, 7796-7806.	14.5	16
25	A Novel G-Quadruplex Binding Protein in Yeast <i>Slx9</i> . <i>Molecules</i> , 2019, 24, 1774.	3.8	16
26	The DEAH helicase <i>DHX36</i> and its role in G-quadruplex-dependent processes. <i>Biological Chemistry</i> , 2021, 402, 581-591.	2.5	16
27	Cell cycle-dependent regulation of telomere tethering in the nucleus. <i>Chromosome Research</i> , 2008, 16, 721-728.	2.2	13
28	Telomerase regulation by the Pif1 helicase: a length-dependent effect?. <i>Current Genetics</i> , 2018, 64, 509-513.	1.7	13
29	BG-flow, a new flow cytometry tool for G-quadruplex quantification in fixed cells. <i>BMC Biology</i> , 2021, 19, 45.	3.8	13
30	Action and function of helicases on RNA G-quadruplexes. <i>Methods</i> , 2022, 204, 110-125.	3.8	12
31	Mms1 is an assistant for regulating G-quadruplex DNA structures. <i>Current Genetics</i> , 2018, 64, 535-540.	1.7	11
32	Mgs1 protein supports genome stability via recognition of G-quadruplex DNA structures. <i>FASEB Journal</i> , 2020, 34, 12646-12662.	0.5	8
33	Mgs1 function at G-quadruplex structures during DNA replication. <i>Current Genetics</i> , 2021, 67, 225-230.	1.7	7
34	<i>PfGBP2</i> is a novel G-quadruplex binding protein in <i>Plasmodium falciparum</i> . <i>Cellular Microbiology</i> , 2021, 23, e13303.	2.1	7
35	Telomerase subunit Est2 marks internal sites that are prone to accumulate DNA damage. <i>BMC Biology</i> , 2021, 19, 247.	3.8	4
36	Detecting G4 unwinding. <i>Methods in Enzymology</i> , 2022, , 261-281.	1.0	1

#	ARTICLE	IF	CITATIONS
37	Pif1 helicases: helping replication forks maneuver past replication barriers. FASEB Journal, 2013, 27, 95.1.	0.5	0