

Sbastien Britton

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

32
papers

1,964
citations

15
h-index

40
g-index

40
ext. papers

2,344
ext. citations

12.2
avg, IF

4.64
L-index

#	Paper	IF	Citations
32	Small-molecule-induced DNA damage identifies alternative DNA structures in human genes. <i>Nature Chemical Biology</i> , 2012 , 8, 301-10	11.7	467
31	Human HDAC1 and HDAC2 function in the DNA-damage response to promote DNA nonhomologous end-joining. <i>Nature Structural and Molecular Biology</i> , 2010 , 17, 1144-51	17.6	459
30	Chemical inhibition of NAT10 corrects defects of laminopathic cells. <i>Science</i> , 2014 , 344, 527-32	33.3	174
29	A new method for high-resolution imaging of Ku foci to decipher mechanisms of DNA double-strand break repair. <i>Journal of Cell Biology</i> , 2013 , 202, 579-95	7.3	169
28	TRF2 and apollo cooperate with topoisomerase 2alpha to protect human telomeres from replicative damage. <i>Cell</i> , 2010 , 142, 230-42	56.2	128
27	DNA damage triggers SAF-A and RNA biogenesis factors exclusion from chromatin coupled to R-loops removal. <i>Nucleic Acids Research</i> , 2014 , 42, 9047-62	20.1	111
26	Coordinated nuclease activities counteract Ku at single-ended DNA double-strand breaks. <i>Nature Communications</i> , 2016 , 7, 12889	17.4	82
25	Neddylation promotes ubiquitylation and release of Ku from DNA-damage sites. <i>Cell Reports</i> , 2015 , 11, 704-14	10.6	80
24	Dual Processing of R-Loops and Topoisomerase I Induces Transcription-Dependent DNA Double-Strand Breaks. <i>Cell Reports</i> , 2019 , 28, 3167-3181.e6	10.6	53
23	ATR controls cellular adaptation to hypoxia through positive regulation of hypoxia-inducible factor 1 (HIF-1) expression. <i>Oncogene</i> , 2013 , 32, 4387-96	9.2	30
22	Cell nonhomologous end joining capacity controls SAF-A phosphorylation by DNA-PK in response to DNA double-strand breaks inducers. <i>Cell Cycle</i> , 2009 , 8, 3717-22	4.7	30
21	A novel cytoprotective function for the DNA repair protein Ku in regulating p53 mRNA translation and function. <i>EMBO Reports</i> , 2016 , 17, 508-18	6.5	20
20	ATM antagonizes NHEJ proteins assembly and DNA-ends synapsis at single-ended DNA double strand breaks. <i>Nucleic Acids Research</i> , 2020 , 48, 9710-9723	20.1	16
19	Identification of Three-Way DNA Junction Ligands through Screening of Chemical Libraries and Validation by Complementary in Vitro Assays. <i>Journal of Medicinal Chemistry</i> , 2019 , 62, 4456-4466	8.3	15
18	Transcription-associated topoisomerase 2(TOP2A) activity is a major effector of cytotoxicity induced by G-quadruplex ligands. <i>ELife</i> , 2021 , 10,	8.9	15
17	c-MYC protein is degraded in response to UV irradiation. <i>Cell Cycle</i> , 2008 , 7, 63-70	4.7	14
16	DNA folds threaten genetic stability and can be leveraged for chemotherapy.. <i>RSC Chemical Biology</i> , 2021 , 2, 47-76	3	14

15	Single-stranded DNA oligomers stimulate error-prone alternative repair of DNA double-strand breaks through hijacking Ku protein. <i>Nucleic Acids Research</i> , 2015 , 43, 10264-76	20.1	13
14	ARTEMIS nuclease facilitates apoptotic chromatin cleavage. <i>Cancer Research</i> , 2009 , 69, 8120-6	10.1	13
13	Biased and unbiased strategies to identify biologically active small molecules. <i>Bioorganic and Medicinal Chemistry</i> , 2014 , 22, 4474-89	3.4	12
12	Phosphorylation of SAF-A/hnRNP-U Serine 59 by Polo-Like Kinase 1 Is Required for Mitosis. <i>Molecular and Cellular Biology</i> , 2015 , 35, 2699-713	4.8	12
11	DNA Junction Ligands Trigger DNA Damage and Are Synthetic Lethal with DNA Repair Inhibitors in Cancer Cells. <i>Journal of the American Chemical Society</i> , 2020 , 142, 424-435	16.4	10
10	Constrained G4 structures unveil topology specificity of known and new G4 binding proteins. <i>Scientific Reports</i> , 2021 , 11, 13469	4.9	7
9	Transcription-associated topoisomerase activities control DNA-breaks production by G-quadruplex ligands		6
8	An orthotopic aortic graft mouse model to study the immunopathology of chronic vascular rejection. <i>Transplantation Proceedings</i> , 2002 , 34, 2833-5	1.1	3
7	XAB2 promotes Ku eviction from single-ended DNA double-strand breaks independently of the ATM kinase. <i>Nucleic Acids Research</i> , 2021 , 49, 9906-9925	20.1	3
6	BRCA1 prevents R-loop-associated centromeric instability. <i>Cell Death and Disease</i> , 2021 , 12, 896	9.8	3
5	Constrained G4 structures unveil topology specificity of known and new G4 binding proteins		2
4	Alkyne-Tagged Analogue of Jaspine B: New Tool for Identifying Jaspine B Mode of Action. <i>ChemBioChem</i> , 2018 , 19, 2438-2442	3.8	2
3	Dual targeting of higher-order DNA structures by azacryptands induces DNA junction-mediated DNA damage in cancer cells. <i>Nucleic Acids Research</i> , 2021 , 49, 10275-10288	20.1	1
2	2nd PSL Chemical Biology Symposium (2019): At the Crossroads of Chemistry and Biology. <i>ChemBioChem</i> , 2019 , 20, 968-973	3.8	
1	Existence of G-quadruplexes in cells 2015 , 6-20		