Sébastien Britton

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	SDR enzymes oxidize specific lipidic alkynylcarbinols into cytotoxic protein-reactive species. ELife, 2022, 11, .	6.0	2
2	DNA folds threaten genetic stability and can be leveraged for chemotherapy. RSC Chemical Biology, 2021, 2, 47-76.	4.1	39
3	Transcription-associated topoisomerase 2α (TOP2A) activity is a major effector of cytotoxicity induced by G-quadruplex ligands. ELife, 2021, 10, .	6.0	46
4	Constrained G4 structures unveil topology specificity of known and new G4 binding proteins. Scientific Reports, 2021, 11, 13469.	3.3	15
5	Dual targeting of higher-order DNA structures by azacryptands induces DNA junction-mediated DNA damage in cancer cells. Nucleic Acids Research, 2021, 49, 10275-10288.	14.5	15
6	XAB2 promotes Ku eviction from single-ended DNA double-strand breaks independently of the ATM kinase. Nucleic Acids Research, 2021, 49, 9906-9925.	14.5	8
7	BRCA1 prevents R-loop-associated centromeric instability. Cell Death and Disease, 2021, 12, 896.	6.3	24
8	DNA Junction Ligands Trigger DNA Damage and Are Synthetic Lethal with DNA Repair Inhibitors in Cancer Cells. Journal of the American Chemical Society, 2020, 142, 424-435.	13.7	34
9	ATM antagonizes NHEJ proteins assembly and DNA-ends synapsis at single-ended DNA double strand breaks. Nucleic Acids Research, 2020, 48, 9710-9723.	14.5	34
10	Dual Processing of R-Loops and Topoisomerase I Induces Transcription-Dependent DNA Double-Strand Breaks. Cell Reports, 2019, 28, 3167-3181.e6.	6.4	108
11	Identification of Three-Way DNA Junction Ligands through Screening of Chemical Libraries and Validation by Complementary in Vitro Assays. Journal of Medicinal Chemistry, 2019, 62, 4456-4466.	6.4	25
12	2nd PSL Chemical Biology Symposium (2019): At the Crossroads of Chemistry and Biology. ChemBioChem, 2019, 20, 968-973.	2.6	0
13	Alkyneâ€Tagged Analogue of Jaspineâ€B: New Tool for Identifying Jaspineâ€B Mode of Action. ChemBioChem, 2018, 19, 2438-2442.	2.6	7
14	A novel cytoprotective function for the <scp>DNA</scp> repair protein Ku in regulating p53 <scp>mRNA</scp> translation andÂfunction. EMBO Reports, 2016, 17, 508-518.	4.5	25
15	Coordinated nuclease activities counteract Ku at single-ended DNA double-strand breaks. Nature Communications, 2016, 7, 12889.	12.8	113
16	Phosphorylation of SAF-A/hnRNP-U Serine 59 by Polo-Like Kinase 1 Is Required for Mitosis. Molecular and Cellular Biology, 2015, 35, 2699-2713.	2.3	17
17	Neddylation Promotes Ubiquitylation and Release of Ku from DNA-Damage Sites. Cell Reports, 2015, 11, 704-714.	6.4	107
18	Single-stranded DNA oligomers stimulate error-prone alternative repair of DNA double-strand breaks through hijacking Ku protein. Nucleic Acids Research, 2015, 43, gkv894.	14.5	14

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19	DNA damage triggers SAF-A and RNA biogenesis factors exclusion from chromatin coupled to R-loops removal. Nucleic Acids Research, 2014, 42, 9047-9062.	14.5	143
20	Chemical Inhibition of NAT10 Corrects Defects of Laminopathic Cells. Science, 2014, 344, 527-532.	12.6	265
21	Biased and unbiased strategies to identify biologically active small molecules. Bioorganic and Medicinal Chemistry, 2014, 22, 4474-4489.	3.0	13
22	ATR controls cellular adaptation to hypoxia through positive regulation of hypoxia-inducible factor 1 (HIF-1) expression. Oncogene, 2013, 32, 4387-4396.	5.9	43
23	A new method for high-resolution imaging of Ku foci to decipher mechanisms of DNA double-strand break repair. Journal of Cell Biology, 2013, 202, 579-595.	5.2	218
24	Small-molecule–induced DNA damage identifies alternative DNA structures in human genes. Nature Chemical Biology, 2012, 8, 301-310.	8.0	576
25	Human HDAC1 and HDAC2 function in the DNA-damage response to promote DNA nonhomologous end-joining. Nature Structural and Molecular Biology, 2010, 17, 1144-1151.	8.2	542
26	TRF2 and Apollo Cooperate with Topoisomerase $2\hat{l}\pm$ to Protect Human Telomeres from Replicative Damage. Cell, 2010, 142, 230-242.	28.9	155
27	Cell nonhomologous end joining capacity controls SAF-A phosphorylation by DNA-PK in response to DNA double-strand breaks inducers. Cell Cycle, 2009, 8, 3717-3722.	2.6	34
28	ARTEMIS Nuclease Facilitates Apoptotic Chromatin Cleavage. Cancer Research, 2009, 69, 8120-8126.	0.9	14
29	c-Myc protein is degraded in response to UV irradiation. Cell Cycle, 2008, 7, 63-70.	2.6	15
30	An orthotopic aortic graft mouse model to study the immunopathology of chronic vascular rejection. Transplantation Proceedings, 2002, 34, 2833-2835.	0.6	4