

# SÃ©bastien Britton

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

2,664  
citations

489802

18  
h-index

536525

29  
g-index

40  
all docs

40  
docs citations

40  
times ranked

4802  
citing authors

#	ARTICLE	IF	CITATIONS
1	SDR enzymes oxidize specific lipidic alkynylcarbinols into cytotoxic protein-reactive species. <i>ELife</i> , 2022, 11, .	2.8	2
2	DNA folds threaten genetic stability and can be leveraged for chemotherapy. <i>RSC Chemical Biology</i> , 2021, 2, 47-76.	2.0	39
3	Transcription-associated topoisomerase 2 $\pm$ (TOP2A) activity is a major effector of cytotoxicity induced by G-quadruplex ligands. <i>ELife</i> , 2021, 10, .	2.8	46
4	Constrained G4 structures unveil topology specificity of known and new G4 binding proteins. <i>Scientific Reports</i> , 2021, 11, 13469.	1.6	15
5	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.	6.5	15
6	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.	6.5	8
7	BRCA1 prevents R-loop-associated centromeric instability. <i>Cell Death and Disease</i> , 2021, 12, 896.	2.7	24
8	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.	6.6	34
9	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.	6.5	34
10	Dual Processing of R-Loops and Topoisomerase I Induces Transcription-Dependent DNA Double-Strand Breaks. <i>Cell Reports</i> , 2019, 28, 3167-3181.e6.	2.9	108
11	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.	2.9	25
12	2nd PSL Chemical Biology Symposium (2019): At the Crossroads of Chemistry and Biology. <i>ChemBioChem</i> , 2019, 20, 968-973.	1.3	0
13	Alkyne-Tagged Analogue of Jaspine...B: New Tool for Identifying Jaspine...B Mode of Action. <i>ChemBioChem</i> , 2018, 19, 2438-2442.	1.3	7
14	A novel cytoprotective function for the <sc>DNA</sc> repair protein Ku in regulating p53 <sc>mRNA</sc> translation and function. <i>EMBO Reports</i> , 2016, 17, 508-518.	2.0	25
15	Coordinated nuclease activities counteract Ku at single-ended DNA double-strand breaks. <i>Nature Communications</i> , 2016, 7, 12889.	5.8	113
16	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, 2699-2713.	1.1	17
17	Neddylation Promotes Ubiquitylation and Release of Ku from DNA-Damage Sites. <i>Cell Reports</i> , 2015, 11, 704-714.	2.9	107
18	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, gkv894.	6.5	14

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19	DNA damage triggers SAF-A and RNA biogenesis factors exclusion from chromatin coupled to R-loops removal. <i>Nucleic Acids Research</i> , 2014, 42, 9047-9062.	6.5	143
20	Chemical Inhibition of NAT10 Corrects Defects of Laminopathic Cells. <i>Science</i> , 2014, 344, 527-532.	6.0	265
21	Biased and unbiased strategies to identify biologically active small molecules. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 4474-4489.	1.4	13
22	ATR controls cellular adaptation to hypoxia through positive regulation of hypoxia-inducible factor 1 (HIF-1) expression. <i>Oncogene</i> , 2013, 32, 4387-4396.	2.6	43
23	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, 579-595.	2.3	218
24	Small-molecule-induced DNA damage identifies alternative DNA structures in human genes. <i>Nature Chemical Biology</i> , 2012, 8, 301-310.	3.9	576
25	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, 1144-1151.	3.6	542
26	TRF2 and Apollo Cooperate with Topoisomerase 2 $\beta$ to Protect Human Telomeres from Replicative Damage. <i>Cell</i> , 2010, 142, 230-242.	13.5	155
27	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, 3717-3722.	1.3	34
28	ARTEMIS Nuclease Facilitates Apoptotic Chromatin Cleavage. <i>Cancer Research</i> , 2009, 69, 8120-8126.	0.4	14
29	c-Myc protein is degraded in response to UV irradiation. <i>Cell Cycle</i> , 2008, 7, 63-70.	1.3	15
30	An orthotopic aortic graft mouse model to study the immunopathology of chronic vascular rejection. <i>Transplantation Proceedings</i> , 2002, 34, 2833-2835.	0.3	4