Boris Pfander

List of Publications by Year in Descending Order

40 papers	4,606 citations	17 h-index	48 g-index
48 ext. papers	5,182 ext. citations	14.6 avg, IF	5.51 L-index

#	Paper	IF	Citations
40	DNA Double Strand Break Repair and Its Control by Nucleosome Remodeling.. *Frontiers in Genetics*, **2021**, 12, 821543	1	1
39	Strand-specific ChIP-seq at DNA breaks distinguishes ssDNA versus dsDNA binding and refutes single-stranded nucleosomes. *Molecular Cell*, **2021**, 81, 1841-1853.e4	4.1	7
38	MTBP phosphorylation controls DNA replication origin firing. *Scientific Reports*, **2021**, 11, 4242	1.5	6
37	Nucleolar release of rDNA repeats for repair involves SUMO-mediated untethering by the Cdc48/p97 segregase. *Nature Communications*, **2021**, 12, 4918	5	2
36	A CDK-regulated chromatin segregase promoting chromosome replication. *Nature Communications*, **2021**, 12, 5224	5	1
35	Selective autophagy degrades nuclear pore complexes. *Nature Cell Biology*, **2020**, 22, 159-166	4.7	48
34	An advanced cell cycle tag toolbox reveals principles underlying temporal control of structure-selective nucleases. *ELife*, **2020**, 9,	2.4	4
33	A Selective Autophagy Pathway for Phase-Separated Endocytic Protein Deposits. *Molecular Cell*, **2020**, 80, 764-778.e7	4.1	33
32	ESCRT recruitment by the inner nuclear membrane protein Heh1 is regulated by Hub1-mediated alternative splicing. *Journal of Cell Science*, **2020**, 133,	1.3	6
31	In-cell architecture of the nuclear pore and snapshots of its turnover. *Nature*, **2020**, 586, 796-800	16.4	71
30	Quantitative mechanisms of DNA damage sensing and signaling. *Current Genetics*, **2020**, 66, 59-62	0.8	7
29	Nucleosome Remodeling by Fun30 in the DNA Damage Response. *Frontiers in Molecular Biosciences*, **2019**, 6, 78	1.3	7
28	Control of Eukaryotic DNA Replication Initiation-Mechanisms to Ensure Smooth Transitions. *Genes*, **2019**, 10,	1.2	11
27	Slx5/Slx8-dependent ubiquitin hotspots on chromatin contribute to stress tolerance. *EMBO Journal* , **2019**, 38,	3.3	5
26	Quantitative sensing and signalling of single-stranded DNA during the DNA damage response. *Nature Communications*, **2019**, 10, 944	5	17
25	A SUMO-dependent pathway controls elongating RNA Polymerase II upon UV-induced damage. *Scientific Reports*, **2019**, 9, 17914	1.5	2
24	Failed mitochondrial import and impaired proteostasis trigger SUMOylation of mitochondrial proteins. *Journal of Biological Chemistry*, **2018**, 293, 599-609	1.4	13

23	Right time, right place-DNA damage and DNA replication checkpoints collectively safeguard S phase. *EMBO Journal*, **2018**, 37,	3.3	4
22	The INO80 Complex Removes H2A.Z to Promote Presynaptic Filament Formation during Homologous Recombination. *Cell Reports*, **2017**, 19, 1294-1303	2.9	39
21	A cell cycle-independent mode of the Rad9-Dpb11 interaction is induced by DNA damage. *Scientific Reports*, **2017**, 7, 11650	1.5	11
20	Error-Prone Splicing Controlled by the Ubiquitin Relative Hub1. *Molecular Cell*, **2017**, 67, 423-432.e4	4.1	15
19	Dbf4-dependent kinase and the Rtt107 scaffold promote Mus81-Mms4 resolvase activation during mitosis. *EMBO Journal*, **2017**, 36, 664-678	3.3	41
18	Control of Mus81 nuclease during the cell cycle. *FEBS Letters*, **2017**, 591, 2048-2056	1.1	17
17	Targeting of the Fun30 nucleosome remodeller by the Dpb11 scaffold facilitates cell cycle-regulated DNA end resection. *ELife*, **2017**, 6,	2.4	34
16	Robust Replication Control Is Generated by Temporal Gaps between Licensing and Firing Phases and Depends on Degradation of Firing Factor Sld2. *Cell Reports*, **2016**, 17, 556-569	2.9	16
15	The Slx4-Dpb11 scaffold complex: coordinating the response to replication fork stalling in S-phase and the subsequent mitosis. *Cell Cycle*, **2015**, 14, 488-94	1.3	12
14	Human Holliday junction resolvase GEN1 uses a chromodomain for efficient DNA recognition and cleavage. *ELife*, **2015**, 4,	2.4	21
13	A cell cycle-regulated Slx4-Dpb11 complex promotes the resolution of DNA repair intermediates linked to stalled replication. *Genes and Development*, **2014**, 28, 1604-19	3	70
12	Dpb11 coordinates Mec1 kinase activation with cell cycle-regulated Rad9 recruitment. *EMBO Journal*, **2011**, 30, 4897-907	3.3	88
11	Elg1, an alternative subunit of the RFC clamp loader, preferentially interacts with SUMOylated PCNA. *EMBO Journal*, **2010**, 29, 2611-22	3.3	76
10	PCNA, the maestro of the replication fork. *Cell*, **2007**, 129, 665-79	16.8	1307
9	PCNA controls establishment of sister chromatid cohesion during S phase. *Molecular Cell*, **2006**, 23, 723-32	4.1	215
8	Nerve growth factor-induced phosphorylation of amphiphysin-1 by casein kinase 2 regulates clathrin-amphiphysin interactions. *Journal of Neurochemistry*, **2006**, 98, 2013-22	1.4	10
7	Control of Rad52 recombination activity by double-strand break-induced SUMO modification. *Nature Cell Biology*, **2006**, 8, 1284-90	4.7	150
6	SUMO-modified PCNA recruits Srs2 to prevent recombination during S phase. *Nature*, **2005**, 436, 428-33	16.4	487

5	Identification of SUMO-protein conjugates. *Methods in Enzymology*, **2005**, 399, 392-404	0.5	17
4	RAD6-dependent DNA repair is linked to modification of PCNA by ubiquitin and SUMO. *Nature*, **2002**, 419, 135-41	16.4	1728
3	A selective autophagy pathway for phase separated endocytic protein deposits		1
2	In cell architecture of the nuclear pore complex and snapshots of its turnover		4
1	Relocation of rDNA repeats for repair is dependent on SUMO-mediated nucleolar release by the Cdc48/p97 segregase		1