Xu-Dong Zhu

List of Publications by Citations

24 papers	1,449 citations	14 h-index	27 g-index
27 ext. papers	1,617 ext. citations	11.3 avg, IF	4.24 L-index

#	Paper	IF	Citations
24	Cell-cycle-regulated association of RAD50/MRE11/NBS1 with TRF2 and human telomeres. *Nature Genetics*, **2000**, 25, 347-52	36.3	509
23	ERCC1/XPF removes the 3Woverhang from uncapped telomeres and represses formation of telomeric DNA-containing double minute chromosomes. *Molecular Cell*, **2003**, 12, 1489-98	17.6	319
22	MRE11-RAD50-NBS1 and ATM function as co-mediators of TRF1 in telomere length control. *Nature Structural and Molecular Biology*, **2007**, 14, 832-40	17.6	92
21	ATM and ATR Signaling Regulate the Recruitment of Human Telomerase to Telomeres. *Cell Reports*, **2015**, 13, 1633-46	10.6	84
20	Arginine methylation regulates telomere length and stability. *Molecular and Cellular Biology*, **2009**, 29, 4918-34	4.8	51
19	Human XPF controls TRF2 and telomere length maintenance through distinctive mechanisms. *Mechanisms of Ageing and Development*, **2008**, 129, 602-10	5.6	44
18	Cockayne syndrome group B protein regulates DNA double-strand break repair and checkpoint activation. *EMBO Journal*, **2015**, 34, 1399-416	13	41
17	Post-translational modifications of TRF1 and TRF2 and their roles in telomere maintenance. *Mechanisms of Ageing and Development*, **2012**, 133, 421-34	5.6	41
16	Cockayne Syndrome group B protein interacts with TRF2 and regulates telomere length and stability. *Nucleic Acids Research*, **2012**, 40, 9661-74	20.1	35
15	XPF with mutations in its conserved nuclease domain is defective in DNA repair but functions in TRF2-mediated telomere shortening. *DNA Repair*, **2007**, 6, 157-66	4.3	34
14	ATM and CDK2 control chromatin remodeler CSB to inhibit RIF1 in DSB repair pathway choice. *Nature Communications*, **2017**, 8, 1921	17.4	33
13	ATM regulates proteasome-dependent subnuclear localization of TRF1, which is important for telomere maintenance. *Nucleic Acids Research*, **2012**, 40, 3975-89	20.1	30
12	Cyclin B-dependent kinase 1 regulates human TRF1 to modulate the resolution of sister telomeres. *Nature Communications*, **2011**, 2, 371	17.4	29
11	Cleavage-dependent ligation by the FLP recombinase. Characterization of a mutant FLP protein with an alteration in a catalytic amino acid. *Journal of Biological Chemistry*, **1995**, 270, 23044-54	5.4	26
10	Phosphorylated (pT371)TRF1 is recruited to sites of DNA damage to facilitate homologous recombination and checkpoint activation. *Nucleic Acids Research*, **2013**, 41, 10268-82	20.1	14
9	Methylated TRF2 associates with the nuclear matrix and serves as a potential biomarker for cellular senescence. *Aging*, **2014**, 6, 248-63	5.6	11
8	CSB interacts with BRCA1 in late S/G2 to promote MRN- and CtIP-mediated DNA end resection. *Nucleic Acids Research*, **2019**, 47, 10678-10692	20.1	10

7	Cdk-dependent phosphorylation regulates TRF1 recruitment to PML bodies and promotes C-circle production in ALT cells. *Journal of Cell Science*, **2016**, 129, 2559-72	5.3	10
6	Biphasic recruitment of TRF2 to DNA damage sites promotes non-sister chromatid homologous recombination repair. *Journal of Cell Science*, **2018**, 131,	5.3	10
5	CSB cooperates with SMARCAL1 to maintain telomere stability in ALT cells. *Journal of Cell Science*, **2020**, 133,	5.3	9
4	TRF1 phosphorylation on T271 modulates telomerase-dependent telomere length maintenance as well as the formation of ALT-associated PML bodies. *Scientific Reports*, **2016**, 6, 36913	4.9	8
3	Efficient UV repair requires disengagement of the CSB winged helix domain from the CSB ATPase domain. *DNA Repair*, **2018**, 68, 58-67	4.3	7
2	The role of single-stranded DNA in Flp-mediated strand exchange. *Journal of Biological Chemistry*, **1998**, 273, 4921-7	5.4	1
1	The Winged Helix Domain of CSB Regulates RNAPII Occupancy at Promoter Proximal Pause Sites. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	1