Shan Zha

List of Publications by Year
in descending order

63 papers	4,393 citations	126858 33 h-index	123376 61 g-index
66 all docs	66 docs citations	66 times ranked	5321 citing authors

#	Article	IF	Citations
1	Targeting Scaffolding Functions of Enzymes Using PROTAC Approaches. Biochemistry, 2023, 62, 561-563.	1.2	2
2	DNA-PKcs kinase activity orchestrates both end-processing and end-ligation. Trends in Cell Biology, 2022, 32, 91-93.	3.6	4
3	PARP inhibitors trap PARP2 and alter the mode of recruitment of PARP2 at DNA damage sites. Nucleic Acids Research, 2022, 50, 3958-3973.	6.5	24
4	The Cancer-Associated ATM R3008H Mutation Reveals the Link between ATM Activation and Its Exchange. Cancer Research, 2021, 81, 426-437.	0.4	7
5	FATC Domain Deletion Compromises ATM Protein Stability, Blocks Lymphocyte Development, and Promotes Lymphomagenesis. Journal of Immunology, 2021, 206, 1228-1239.	0.4	3
6	The pliÃ© by DNA-PK: dancing on DNA. Molecular Cell, 2021, 81, 644-646.	4.5	3
7	Inhibition of DNA replication initiation by silver nanoclusters. Nucleic Acids Research, 2021, 49, 5074-5083.	6.5	12
8	XRCC1 prevents toxic PARP1 trapping during DNA base excision repair. Molecular Cell, 2021, 81, 3018-3030.e5.	4.5	80
9	DNA damageâ€“induced phosphorylation of CtIP at a conserved ATM/ATR site T855 promotes lymphomagenesis in mice. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	8
10	Targeting BRCA-mutated tumors in mitosis. Nature Cancer, 2021, 2, 1296-1297.	5.7	1
11	ATM, DNA-PKcs and ATR: shaping development through the regulation of the DNA damage responses. Genome Instability & Disease, 2020, 1, 47-68.	0.5	12
12	CtIP-mediated DNA resection is dispensable for IgH class switch recombination by alternative end-joining. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 25700-25711.	3.3	13
13	Clinical PARP inhibitors do not abrogate PARP1 exchange at DNA damage sites in vivo. Nucleic Acids Research, 2020, 48, 9694-9709.	6.5	51
14	DNA-PKcs phosphorylation at the T2609 cluster alters the repair pathway choice during immunoglobulin class switch recombination. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 22953-22961.	3.3	18
15	ERCC6L2 promotes DNA orientation-specific recombination in mammalian cells. Cell Research, 2020, 30, 732-744.	5.7	41
16	The recent advances in non-homologous end-joining through the lens of lymphocyte development. DNA Repair, 2020, 94, 102874.	1.3	36
17	DNA-PKcs has KU-dependent function in rRNA processing and haematopoiesis. Nature, 2020, 579, 291-296.	13.7	57
18	ATM, ATR and DNA-PKcs kinasesâ€”the lessons from the mouse models: inhibitionâ€‰â‰‰â€‰deletion. Cell and Bioscience, 2020, 10, 8.	2.1	126

#	Article	IF	Citations
19	Dual-Color Plasmonic Nanosensor for Radiation Dosimetry. ACS Applied Materials & Interfaces, 2020, 12, 22499-22506.	4.0	17
20	LMO2 as a Biomarker for Hypersensitivity to Genotoxic Therapy. Cancer Cell, 2019, 36, 211-212.	7.7	0
21	CtIP is essential for early B cell proliferation and development in mice. Journal of Experimental Medicine, 2019, 216, 1648-1663.	4.2	15
22	Phosphorylation at S2053 in Murine (S2056 in Human) DNA-PKcs Is Dispensable for Lymphocyte Development and Class Switch Recombination. Journal of Immunology, 2019, 203, 178-187.	0.4	23
23	Cutting Edge: ATM Influences Germinal Center Integrity. Journal of Immunology, 2019, 202, 3137-3142.	0.4	6
24	Inactive Atm abrogates DSB repair in mouse cerebellum more than does Atm loss, without causing a neurological phenotype. DNA Repair, 2018, 72, 10-17.	1.3	15
25	Kinase-dead ATR differs from ATR loss by limiting the dynamic exchange of ATR and RPA. Nature Communications, 2018, 9, 5351.	5.8	38
26	The BRCT Domains of the BRCA1 and BARD1 Tumor Suppressors Differentially Regulate Homology-Directed Repair and Stalled Fork Protection. Molecular Cell, 2018, 72, 127-139.e8.	4.5	58
27	Kinase-dependent structural role of DNA-PKcs during immunoglobulin class switch recombination. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 8615-8620.	3.3	23
28	MRI Is a DNA Damage Response Adaptor during Classical Non-homologous End Joining. Molecular Cell, 2018, 71, 332-342.e8.	4.5	76
29	New diagnosis of atypical ataxia-telangiectasia in a 17-year-old boy with T-cell acute lymphoblastic leukemia and a novel ATM mutation. Journal of Human Genetics, 2017, 62, 581-584.	1.1	12
30	Regulation of the DNA Damage Response by DNA-PKcs Inhibitory Phosphorylation of ATM. Molecular Cell, 2017, 65, 91-104.	4.5	105
31	PAXX promotes KU accumulation at DNA breaks and is essential for end-joining in XLF-deficient mice. Nature Communications, 2017, 8, 13816.	5.8	79
32	Loss of p53-mediated cell-cycle arrest, senescence and apoptosis promotes genomic instability and premature aging. Oncotarget, 2016, 7, 11838-11849.	0.8	60
33	Kinase-dead ATM protein is highly oncogenic and can be preferentially targeted by Topo-isomerase I inhibitors. ELife, 2016, 5, .	2.8	38
34	Aberrant TCRÎ´ rearrangement underlies the T-cell lymphocytopenia and t(12;14) translocation associated with ATM deficiency. Blood, 2015, 125, 2665-2668.	0.6	14
35	Haploinsufficiency of Bcl11b suppresses the progression of ATM-deficient T cell lymphomas. Journal of Hematology and Oncology, 2015, 8, 94.	6.9	6
36	Differential Phosphorylation of DNA-PKcs Regulates the Interplay between End-Processing and End-Ligation during Nonhomologous End-Joining. Molecular Cell, 2015, 58, 172-185.	4.5	168

#	Article	IF	Citations
37	Interactome analysis identifies a new paralogue of XRCC4 in non-homologous end joining DNA repair pathway. Nature Communications, 2015, 6, 6233.	5.8	144
38	Atm deletion with dual recombinase technology preferentially radiosensitizes tumor endothelium. Journal of Clinical Investigation, 2014, 124, 3325-3338.	3.9	64
39	Hematopoietic stem cell dysfunction underlies the progressive lymphocytopenia in XLF/Cernunnos deficiency. Blood, 2014, 124, 1622-1625.	0.6	16
40	Ataxia Telangiectasia Mutated (ATM) Is Dispensable for Endonuclease I-SceI-induced Homologous Recombination in Mouse Embryonic Stem Cells. Journal of Biological Chemistry, 2013, 288, 7086-7095.	1.6	33
41	Functional redundancy between the XLF and DNA-PKcs DNA repair factors in V(D)J recombination and nonhomologous DNA end joining. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 2234-2239.	3.3	72
42	Robust chromosomal DNA repair via alternative end-joining in the absence of X-ray repair cross-complementing protein 1 (XRCC1). Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 2473-2478.	3.3	106
43	Overlapping functions between XLF repair protein and 53BP1 DNA damage response factor in end joining and lymphocyte development. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 3903-3908.	3.3	65
44	Kinase-dead ATM protein causes genomic instability and early embryonic lethality in mice. Journal of Cell Biology, 2012, 198, 305-313.	2.3	101
45	The BCL11B tumor suppressor is mutated across the major molecular subtypes of T-cell acute lymphoblastic leukemia. Blood, 2011, 118, 4169-4173.	0.6	162
46	ATM damage response and XLF repair factor are functionally redundant in joining DNA breaks. Nature, 2011, 469, 250-254.	13.7	184
47	ATMIN: A New Tumor Suppressor in Developing B Cells. Cancer Cell, 2011, 19, 569-570.	7.7	5
48	Ataxia telangiectasia-mutated protein and DNA-dependent protein kinase have complementary V(D)J recombination functions. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 2028-2033.	3.3	80
49	ATM-deficient thymic lymphoma is associated with aberrant tcrd rearrangement and gene amplification. Journal of Experimental Medicine, 2010, 207, 1369-1380.	4.2	74
50	Homozygous DNA ligase IV R278H mutation in mice leads to leaky SCID and represents a model for human LIG4 syndrome. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 3024-3029.	3.3	39
51	ATM-deficient thymic lymphoma is associated with aberranttcrdrearrangement and gene amplification. Journal of Cell Biology, 2010, 189, i17-i17.	2.3	0
52	Development of immunoglobulin Î»-chainâ€“positive B cells, but not editing of immunoglobulin Îº-chain, depends on NF-ÎºB signals. Nature Immunology, 2009, 10, 647-654.	7.0	70
53	Mre11: roles in DNA repair beyond homologous recombination. Nature Structural and Molecular Biology, 2009, 16, 798-800.	3.6	92
54	Essential Role for DNA-PKcs in DNA Double-Strand Break Repair and Apoptosis in ATM-Deficient Lymphocytes. Molecular Cell, 2009, 34, 285-297.	4.5	182

#	Article	IF	Citations
55	Lymphocyte-Specific Compensation for XLF/Cernunnos End-Joining Functions in V(D)J Recombination. Molecular Cell, 2008, 31, 631-640.	4.5	167
56	Complementary functions of ATM and H2AX in development and suppression of genomic instability. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 9302-9306.	3.3	105
57	Defective DNA repair and increased genomic instability in Cernunnos-XLF-deficient murine ES cells. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 4518-4523.	3.3	102
58	H2AX Prevents DNA Breaks from Progressing to Chromosome Breaks and Translocations. Molecular Cell, 2006, 21, 201-214.	4.5	258
59	Peroxisomal branched chain fatty acid ?-oxidation pathway is upregulated in prostate cancer. Prostate, 2005, 63, 316-323.	1.2	155
60	A Nonclassic CCAAT Enhancer Element Binding Protein Binding Site Contributes to Î±-Methylacyl-CoA Racemase Expression in Prostate Cancer. Molecular Cancer Research, 2005, 3, 110-118.	1.5	13
61	Cyclooxygenases in cancer: progress and perspective. Cancer Letters, 2004, 215, 1-20.	3.2	368
62	Alpha-methylacyl-CoA racemase as an androgen-independent growth modifier in prostate cancer. Cancer Research, 2003, 63, 7365-76.	0.4	100
63	Alpha-methylacyl-CoA racemase: a new molecular marker for prostate cancer. Cancer Research, 2002, 62, 2220-6.	0.4	384