

Shan Zha

List of Publications by Year in descending order

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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	Alpha-methylacyl-CoA racemase: a new molecular marker for prostate cancer. <i>Cancer Research</i> , 2002, 62, 2220-6.	0.4	384
2	Cyclooxygenases in cancer: progress and perspective. <i>Cancer Letters</i> , 2004, 215, 1-20.	3.2	368
3	H2AX Prevents DNA Breaks from Progressing to Chromosome Breaks and Translocations. <i>Molecular Cell</i> , 2006, 21, 201-214.	4.5	258
4	ATM damage response and XLF repair factor are functionally redundant in joining DNA breaks. <i>Nature</i> , 2011, 469, 250-254.	13.7	184
5	Essential Role for DNA-PKcs in DNA Double-Strand Break Repair and Apoptosis in ATM-Deficient Lymphocytes. <i>Molecular Cell</i> , 2009, 34, 285-297.	4.5	182
6	Differential Phosphorylation of DNA-PKcs Regulates the Interplay between End-Processing and End-Ligation during Nonhomologous End-Joining. <i>Molecular Cell</i> , 2015, 58, 172-185.	4.5	168
7	Lymphocyte-Specific Compensation for XLF/Cernunnos End-Joining Functions in V(D)J Recombination. <i>Molecular Cell</i> , 2008, 31, 631-640.	4.5	167
8	The BCL11B tumor suppressor is mutated across the major molecular subtypes of T-cell acute lymphoblastic leukemia. <i>Blood</i> , 2011, 118, 4169-4173.	0.6	162
9	Peroxisomal branched chain fatty acid β -oxidation pathway is upregulated in prostate cancer. <i>Prostate</i> , 2005, 63, 316-323.	1.2	155
10	Interactome analysis identifies a new paralogue of XRCC4 in non-homologous end joining DNA repair pathway. <i>Nature Communications</i> , 2015, 6, 6233.	5.8	144
11	ATM, ATR and DNA-PKcs kinases—the lessons from the mouse models: inhibition—deletion. <i>Cell and Bioscience</i> , 2020, 10, 8.	2.1	126
12	Robust chromosomal DNA repair via alternative end-joining in the absence of X-ray repair cross-complementing protein 1 (XRCC1). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 2473-2478.	3.3	106
13	Complementary functions of ATM and H2AX in development and suppression of genomic instability. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 9302-9306.	3.3	105
14	Regulation of the DNA Damage Response by DNA-PKcs Inhibitory Phosphorylation of ATM. <i>Molecular Cell</i> , 2017, 65, 91-104.	4.5	105
15	Defective DNA repair and increased genomic instability in Cernunnos-XLF-deficient murine ES cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 4518-4523.	3.3	102
16	Kinase-dead ATM protein causes genomic instability and early embryonic lethality in mice. <i>Journal of Cell Biology</i> , 2012, 198, 305-313.	2.3	101
17	Alpha-methylacyl-CoA racemase as an androgen-independent growth modifier in prostate cancer. <i>Cancer Research</i> , 2003, 63, 7365-76.	0.4	100
18	Mre11: roles in DNA repair beyond homologous recombination. <i>Nature Structural and Molecular Biology</i> , 2009, 16, 798-800.	3.6	92

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19	Ataxia telangiectasia-mutated protein and DNA-dependent protein kinase have complementary V(D)J recombination functions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 2028-2033.	3.3	80
20	XRCC1 prevents toxic PARP1 trapping during DNA base excision repair. <i>Molecular Cell</i> , 2021, 81, 3018-3030.e5.	4.5	80
21	PAXX promotes KU accumulation at DNA breaks and is essential for end-joining in XLF-deficient mice. <i>Nature Communications</i> , 2017, 8, 13816.	5.8	79
22	MRI Is a DNA Damage Response Adaptor during Classical Non-homologous End Joining. <i>Molecular Cell</i> , 2018, 71, 332-342.e8.	4.5	76
23	ATM-deficient thymic lymphoma is associated with aberrant <i>tcrd</i> rearrangement and gene amplification. <i>Journal of Experimental Medicine</i> , 2010, 207, 1369-1380.	4.2	74
24	Functional redundancy between the XLF and DNA-PKcs DNA repair factors in V(D)J recombination and nonhomologous DNA end joining. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 2234-2239.	3.3	72
25	Development of immunoglobulin λ -chain ⁺ positive B cells, but not editing of immunoglobulin μ -chain, depends on NF- κ B signals. <i>Nature Immunology</i> , 2009, 10, 647-654.	7.0	70
26	Overlapping functions between XLF repair protein and 53BP1 DNA damage response factor in end joining and lymphocyte development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 3903-3908.	3.3	65
27	Atm deletion with dual recombinase technology preferentially radiosensitizes tumor endothelium. <i>Journal of Clinical Investigation</i> , 2014, 124, 3325-3338.	3.9	64
28	Loss of p53-mediated cell-cycle arrest, senescence and apoptosis promotes genomic instability and premature aging. <i>Oncotarget</i> , 2016, 7, 11838-11849.	0.8	60
29	The BRCT Domains of the BRCA1 and BARD1 Tumor Suppressors Differentially Regulate Homology-Directed Repair and Stalled Fork Protection. <i>Molecular Cell</i> , 2018, 72, 127-139.e8.	4.5	58
30	DNA-PKcs has KU-dependent function in rRNA processing and haematopoiesis. <i>Nature</i> , 2020, 579, 291-296.	13.7	57
31	Clinical PARP inhibitors do not abrogate PARP1 exchange at DNA damage sites in vivo. <i>Nucleic Acids Research</i> , 2020, 48, 9694-9709.	6.5	51
32	ERCC6L2 promotes DNA orientation-specific recombination in mammalian cells. <i>Cell Research</i> , 2020, 30, 732-744.	5.7	41
33	Homozygous DNA ligase IV R278H mutation in mice leads to leaky SCID and represents a model for human LIG4 syndrome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 3024-3029.	3.3	39
34	Kinase-dead ATM protein is highly oncogenic and can be preferentially targeted by Topo-isomerase I inhibitors. <i>ELife</i> , 2016, 5, .	2.8	38
35	Kinase-dead ATR differs from ATR loss by limiting the dynamic exchange of ATR and RPA. <i>Nature Communications</i> , 2018, 9, 5351.	5.8	38
36	The recent advances in non-homologous end-joining through the lens of lymphocyte development. <i>DNA Repair</i> , 2020, 94, 102874.	1.3	36

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37	Ataxia Telangiectasia Mutated (ATM) Is Dispensable for Endonuclease I-SceI-induced Homologous Recombination in Mouse Embryonic Stem Cells. <i>Journal of Biological Chemistry</i> , 2013, 288, 7086-7095.	1.6	33
38	PARP inhibitors trap PARP2 and alter the mode of recruitment of PARP2 at DNA damage sites. <i>Nucleic Acids Research</i> , 2022, 50, 3958-3973.	6.5	24
39	Kinase-dependent structural role of DNA-PKcs during immunoglobulin class switch recombination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 8615-8620.	3.3	23
40	Phosphorylation at S2053 in Murine (S2056 in Human) DNA-PKcs Is Dispensable for Lymphocyte Development and Class Switch Recombination. <i>Journal of Immunology</i> , 2019, 203, 178-187.	0.4	23
41	DNA-PKcs phosphorylation at the T2609 cluster alters the repair pathway choice during immunoglobulin class switch recombination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 22953-22961.	3.3	18
42	Dual-Color Plasmonic Nanosensor for Radiation Dosimetry. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 22499-22506.	4.0	17
43	Hematopoietic stem cell dysfunction underlies the progressive lymphocytopenia in XLF/Cernunnos deficiency. <i>Blood</i> , 2014, 124, 1622-1625.	0.6	16
44	Inactive Atm abrogates DSB repair in mouse cerebellum more than does Atm loss, without causing a neurological phenotype. <i>DNA Repair</i> , 2018, 72, 10-17.	1.3	15
45	CtIP is essential for early B cell proliferation and development in mice. <i>Journal of Experimental Medicine</i> , 2019, 216, 1648-1663.	4.2	15
46	Aberrant TCR γ rearrangement underlies the T-cell lymphocytopenia and t(12;14) translocation associated with ATM deficiency. <i>Blood</i> , 2015, 125, 2665-2668.	0.6	14
47	A Nonclassic CCAAT Enhancer Element Binding Protein Binding Site Contributes to $\hat{\pm}$ -Methylacyl-CoA Racemase Expression in Prostate Cancer. <i>Molecular Cancer Research</i> , 2005, 3, 110-118.	1.5	13
48	CtIP-mediated DNA resection is dispensable for IgH class switch recombination by alternative end-joining. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 25700-25711.	3.3	13
49	New diagnosis of atypical ataxia-telangiectasia in a 17-year-old boy with T-cell acute lymphoblastic leukemia and a novel ATM mutation. <i>Journal of Human Genetics</i> , 2017, 62, 581-584.	1.1	12
50	ATM, DNA-PKcs and ATR: shaping development through the regulation of the DNA damage responses. <i>Genome Instability & Disease</i> , 2020, 1, 47-68.	0.5	12
51	Inhibition of DNA replication initiation by silver nanoclusters. <i>Nucleic Acids Research</i> , 2021, 49, 5074-5083.	6.5	12
52	DNA damage-induced phosphorylation of CtIP at a conserved ATM/ATR site T855 promotes lymphomagenesis in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	8
53	The Cancer-Associated ATM R3008H Mutation Reveals the Link between ATM Activation and Its Exchange. <i>Cancer Research</i> , 2021, 81, 426-437.	0.4	7
54	Haploinsufficiency of Bcl11b suppresses the progression of ATM-deficient T cell lymphomas. <i>Journal of Hematology and Oncology</i> , 2015, 8, 94.	6.9	6

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55	Cutting Edge: ATM Influences Germinal Center Integrity. <i>Journal of Immunology</i> , 2019, 202, 3137-3142.	0.4	6
56	ATMIN: A New Tumor Suppressor in Developing B Cells. <i>Cancer Cell</i> , 2011, 19, 569-570.	7.7	5
57	DNA-PKcs kinase activity orchestrates both end-processing and end-ligation. <i>Trends in Cell Biology</i> , 2022, 32, 91-93.	3.6	4
58	FATC Domain Deletion Compromises ATM Protein Stability, Blocks Lymphocyte Development, and Promotes Lymphomagenesis. <i>Journal of Immunology</i> , 2021, 206, 1228-1239.	0.4	3
59	The plĩ© by DNA-PK: dancing on DNA. <i>Molecular Cell</i> , 2021, 81, 644-646.	4.5	3
60	Targeting Scaffolding Functions of Enzymes Using PROTAC Approaches. <i>Biochemistry</i> , 2023, 62, 561-563.	1.2	2
61	Targeting BRCA-mutated tumors in mitosis. <i>Nature Cancer</i> , 2021, 2, 1296-1297.	5.7	1
62	LMO2 as a Biomarker for Hypersensitivity to Genotoxic Therapy. <i>Cancer Cell</i> , 2019, 36, 211-212.	7.7	0
63	ATM-deficient thymic lymphoma is associated with aberrant <i>tcrd</i> rearrangement and gene amplification. <i>Journal of Cell Biology</i> , 2010, 189, i17-117.	2.3	0