

# Li Lan

## List of Publications by Year in descending order

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79  
papers

5,380  
citations

61984

43  
h-index

85541

71  
g-index

82  
all docs

82  
docs citations

82  
times ranked

7095  
citing authors

#	ARTICLE	IF	CITATIONS
1	ARID1A Deficiency Impairs the DNA Damage Checkpoint and Sensitizes Cells to PARP Inhibitors. <i>Cancer Discovery</i> , 2015, 5, 752-767.	9.4	361
2	Spatial and Temporal Cellular Responses to Single-Strand Breaks in Human Cells. <i>Molecular and Cellular Biology</i> , 2003, 23, 3974-3981.	2.3	307
3	In situ analysis of repair processes for oxidative DNA damage in mammalian cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 13738-13743.	7.1	284
4	Alternative Lengthening of Telomeres through Two Distinct Break-Induced Replication Pathways. <i>Cell Reports</i> , 2019, 26, 955-968.e3.	6.4	194
5	The ACF1 Complex Is Required for DNA Double-Strand Break Repair in Human Cells. <i>Molecular Cell</i> , 2010, 40, 976-987.	9.7	182
6	MSH2â€“MSH6 stimulates DNA polymerase Î², suggesting a role for A:T mutations in antibody genes. <i>Journal of Experimental Medicine</i> , 2005, 201, 637-645.	8.5	175
7	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.	9.7	168
8	Interactome analysis identifies a new paralogue of XRCC4 in non-homologous end joining DNA repair pathway. <i>Nature Communications</i> , 2015, 6, 6233.	12.8	144
9	A novel human AP endonuclease with conserved zinc-finger-like motifs involved in DNA strand break responses. <i>EMBO Journal</i> , 2007, 26, 2094-2103.	7.8	127
10	DNA damage during the G0/G1 phase triggers RNA-templated, Cockayne syndrome B-dependent homologous recombination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E3495-504.	7.1	123
11	Accumulation of Werner protein at DNA double-strand breaks in human cells. <i>Journal of Cell Science</i> , 2005, 118, 4153-4162.	2.0	121
12	ROS-induced R loops trigger a transcription-coupled but BRCA1/2-independent homologous recombination pathway through CSB. <i>Nature Communications</i> , 2018, 9, 4115.	12.8	120
13	Vertebrate POLQ and POLÎ² Cooperate in Base Excision Repair of Oxidative DNA Damage. <i>Molecular Cell</i> , 2006, 24, 115-125.	9.7	119
14	Sources, resolution and physiological relevance of R-loops and RNAâ€“DNA hybrids. <i>Nature Reviews Molecular Cell Biology</i> , 2022, 23, 521-540.	37.0	108
15	Interplay between arginine methylation and ubiquitylation regulates KLF4-mediated genome stability and carcinogenesis. <i>Nature Communications</i> , 2015, 6, 8419.	12.8	107
16	DNA Polymerase Î² Protects Mouse Fibroblasts against Oxidative DNA Damage and Is Recruited to Sites of DNA Damage/Repair. <i>Journal of Biological Chemistry</i> , 2005, 280, 31641-31647.	3.4	101
17	m5C modification of mRNA serves a DNA damage code to promote homologous recombination. <i>Nature Communications</i> , 2020, 11, 2834.	12.8	99
18	HSP90 regulates DNA repair via the interaction between XRCC1 and DNA polymerase Î². <i>Nature Communications</i> , 2014, 5, 5513.	12.8	96

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19	A polycomb group protein, PHF1, is involved in the response to DNA double-strand breaks in human cell. <i>Nucleic Acids Research</i> , 2008, 36, 2939-2947.	14.5	89
20	RNA transcripts stimulate homologous recombination by forming DR-loops. <i>Nature</i> , 2021, 594, 283-288.	27.8	88
21	Temporal Relationship Between Hyperuricemia and Insulin Resistance and Its Impact on Future Risk of Hypertension. <i>Hypertension</i> , 2017, 70, 703-711.	2.7	84
22	Novel method for site-specific induction of oxidative DNA damage reveals differences in recruitment of repair proteins to heterochromatin and euchromatin. <i>Nucleic Acids Research</i> , 2014, 42, 2330-2345.	14.5	79
23	cGAS suppresses genomic instability as a decelerator of replication forks. <i>Science Advances</i> , 2020, 6, .	10.3	79
24	UV Light-induced DNA Damage and Tolerance for the Survival of Nucleotide Excision Repair-deficient Human Cells. <i>Journal of Biological Chemistry</i> , 2004, 279, 46674-46677.	3.4	78
25	Damage response of XRCC1 at sites of DNA single strand breaks is regulated by phosphorylation and ubiquitylation after degradation of poly(ADP-ribose). <i>Journal of Cell Science</i> , 2013, 126, 4414-4423.	2.0	78
26	DNA single-strand break repair is impaired in aprataxin-related ataxia. <i>Annals of Neurology</i> , 2007, 61, 162-174.	5.3	71
27	Recruitment of mismatch repair proteins to the site of DNA damage in human cells. <i>Journal of Cell Science</i> , 2008, 121, 3146-3154.	2.0	69
28	RAD52 is required for RNA-templated recombination repair in post-mitotic neurons. <i>Journal of Biological Chemistry</i> , 2018, 293, 1353-1362.	3.4	69
29	Targeted DNA damage at individual telomeres disrupts their integrity and triggers cell death. <i>Nucleic Acids Research</i> , 2015, 43, 6334-6347.	14.5	68
30	Rapid Recruitment of BRCA1 to DNA Double-Strand Breaks Is Dependent on Its Association with Ku80. <i>Molecular and Cellular Biology</i> , 2008, 28, 7380-7393.	2.3	65
31	Binding of FANCI-FANCD2 Complex to RNA and R-Loops Stimulates Robust FANCD2 Monoubiquitination. <i>Cell Reports</i> , 2019, 26, 564-572.e5.	6.4	65
32	BLM is an early responder to DNA double-strand breaks. <i>Biochemical and Biophysical Research Communications</i> , 2006, 348, 62-69.	2.1	64
33	An R-loop-initiated CSBâ€“RAD52â€“POLD3 pathway suppresses ROS-induced telomeric DNA breaks. <i>Nucleic Acids Research</i> , 2020, 48, 1285-1300.	14.5	60
34	Alternative lengthening of telomeres is a self-perpetuating process in ALT-associated PML bodies. <i>Molecular Cell</i> , 2021, 81, 1027-1042.e4.	9.7	55
35	Werner syndrome protein interacts functionally with translesion DNA polymerases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 10394-10399.	7.1	54
36	Tyrosine 370 phosphorylation of ATM positively regulates DNA damage response. <i>Cell Research</i> , 2015, 25, 225-236.	12.0	54

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37	Replication-dependent and -independent Responses of RAD18 to DNA Damage in Human Cells. <i>Journal of Biological Chemistry</i> , 2006, 281, 34687-34695.	3.4	53
38	Functional and physical interactions between ERCC1 and MSH2 complexes for resistance to cis-diamminedichloroplatinum(II) in mammalian cells. <i>DNA Repair</i> , 2004, 3, 135-143.	2.8	50
39	Ubiquitin-Specific Protease 5 Is Required for the Efficient Repair of DNA Double-Strand Breaks. <i>PLoS ONE</i> , 2014, 9, e84899.	2.5	50
40	Monoubiquitinated Histone H2A Destabilizes Photolesion-containing Nucleosomes with Concomitant Release of UV-damaged DNA-binding Protein E3 Ligase. <i>Journal of Biological Chemistry</i> , 2012, 287, 12036-12049.	3.4	49
41	Translocation of XRCC1 and DNA ligase III $\beta$ from centrosomes to chromosomes in response to DNA damage in mitotic human cells. <i>Nucleic Acids Research</i> , 2005, 33, 422-429.	14.5	45
42	DNA polymerase $\delta$ -dependent long patch base excision repair in living cells. <i>DNA Repair</i> , 2010, 9, 109-119.	2.8	45
43	DNA repair defects in cancer and therapeutic opportunities. <i>Genes and Development</i> , 2022, 36, 278-293.	5.9	45
44	Nek7 Protects Telomeres from Oxidative DNA Damage by Phosphorylation and Stabilization of TRF1. <i>Molecular Cell</i> , 2017, 65, 818-831.e5.	9.7	44
45	BRCA1 contributes to transcription-coupled repair of DNA damage through polyubiquitination and degradation of Cockayne syndrome B protein. <i>Cancer Science</i> , 2011, 102, 1840-1847.	3.9	41
46	SIRT6 protein deacetylase interacts with MYH DNA glycosylase, APE1 endonuclease, and Rad9 $\beta$ -Rad1 $\beta$ -Hus1 checkpoint clamp. <i>BMC Molecular Biology</i> , 2015, 16, 12.	3.0	41
47	RAD6 Promotes Homologous Recombination Repair by Activating the Autophagy-Mediated Degradation of Heterochromatin Protein HP1. <i>Molecular and Cellular Biology</i> , 2015, 35, 406-416.	2.3	39
48	SSRP1 Cooperates with PARP and XRCC1 to Facilitate Single-Strand DNA Break Repair by Chromatin Priming. <i>Cancer Research</i> , 2017, 77, 2674-2685.	0.9	38
49	FMRP promotes transcription-coupled homologous recombination via facilitating TET1-mediated m5C RNA modification demethylation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2116251119.	7.1	37
50	The Lys63-deubiquitylating Enzyme BRCC36 Limits DNA Break Processing and Repair. <i>Journal of Biological Chemistry</i> , 2016, 291, 16197-16207.	3.4	35
51	The DNA secondary structures at telomeres and genome instability. <i>Cell and Bioscience</i> , 2020, 10, 47.	4.8	34
52	The deacetylase SIRT6 promotes the repair of UV-induced DNA damage by targeting DDB2. <i>Nucleic Acids Research</i> , 2020, 48, 9181-9194.	14.5	33
53	Resolution of ROS-induced G $\alpha$ -quadruplexes and R $\alpha$ -loops at transcriptionally active sites is dependent on BLM helicase. <i>FEBS Letters</i> , 2020, 594, 1359-1367.	2.8	30
54	A chemical probe targets DNA 5-formylcytosine sites and inhibits TDG excision, polymerases bypass, and gene expression. <i>Chemical Science</i> , 2014, 5, 567-574.	7.4	29

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55	Phosphatidylinositol 3-kinase and protein kinase C are required for the inhibition of caspase activity by epidermal growth factor. <i>FEBS Letters</i> , 1999, 444, 90-96.	2.8	28
56	Fast and Precise 3D Fluorophore Localization based on Gradient Fitting. <i>Scientific Reports</i> , 2015, 5, 14335.	3.3	28
57	The Harbin Cohort Study on Diet, Nutrition and Chronic Non-Communicable Diseases: Study Design and Baseline Characteristics. <i>PLoS ONE</i> , 2015, 10, e0122598.	2.5	28
58	Regulation of DNA Damage Signaling and Cell Death Responses by Epstein-Barr Virus Latent Membrane Protein 1 (LMP1) and LMP2A in Nasopharyngeal Carcinoma Cells. <i>Journal of Virology</i> , 2015, 89, 7612-7624.	3.4	23
59	The oxidative DNA damage response: A review of research undertaken with Tsinghua and Xiangya students at the University of Pittsburgh. <i>Science China Life Sciences</i> , 2017, 60, 1077-1080.	4.9	23
60	Tankyrase1-mediated poly(ADP-ribosyl)ation of TRF1 maintains cell survival after telomeric DNA damage. <i>Nucleic Acids Research</i> , 2017, 45, 3906-3921.	14.5	21
61	Transcription-coupled homologous recombination after oxidative damage. <i>DNA Repair</i> , 2016, 44, 76-80.	2.8	20
62	SIRT6 facilitates directional telomere movement upon oxidative damage. <i>Scientific Reports</i> , 2018, 8, 5407.	3.3	20
63	Localized protein biotinylation at DNA damage sites identifies ZPET, a repressor of homologous recombination. <i>Genes and Development</i> , 2019, 33, 75-89.	5.9	18
64	WRN is recruited to damaged telomeres via its RQC domain and tankyrase1-mediated poly-ADP-ribosylation of TRF1. <i>Nucleic Acids Research</i> , 2017, 45, 3844-3859.	14.5	15
65	POT1 inhibits the efficiency but promotes the fidelity of nonhomologous end joining at non-telomeric DNA regions. <i>Aging</i> , 2017, 9, 2529-2543.	3.1	15
66	ELL2 regulates DNA non-homologous end joining (NHEJ) repair in prostate cancer cells. <i>Cancer Letters</i> , 2018, 415, 198-207.	7.2	13
67	Quantifying site-specific chromatin mechanics and DNA damage response. <i>Scientific Reports</i> , 2018, 8, 18084.	3.3	13
68	Cigarette smoke exposure enhances transforming acidic coiled-coilâ€‘containing protein 2 turnover and thereby promotes emphysema. <i>JCI Insight</i> , 2020, 5, .	5.0	13
69	Guarding chromosomes from oxidative DNA damage to the very end. <i>Acta Biochimica Et Biophysica Sinica</i> , 2016, 48, 617-622.	2.0	12
70	Regulation of DNA break repair by transcription and RNA. <i>Science China Life Sciences</i> , 2017, 60, 1081-1086.	4.9	10
71	Ubiquitination-mediated degradation of TRDMT1 regulates homologous recombination and therapeutic response. <i>NAR Cancer</i> , 2021, 3, zcab010.	3.1	10
72	Cleavage of Ku80 by caspase-2 promotes non-homologous end joining-mediated DNA repair. <i>DNA Repair</i> , 2017, 60, 18-28.	2.8	9

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73	An ordered assembly of MYH glycosylase, SIRT6 protein deacetylase, and Rad9-Rad1-Hus1 checkpoint clamp at oxidatively damaged telomeres. <i>Aging</i> , 2020, 12, 17761-17785.	3.1	9
74	Phosphatase 1 Nuclear Targeting Subunit Mediates Recruitment and Function of Poly (ADP-Ribose) Polymerase 1 in DNA Repair. <i>Cancer Research</i> , 2019, 79, 2526-2535.	0.9	8
75	Induction of Site-Specific Oxidative Damage at Telomeres by Killerred-Fused Shelterin Proteins. <i>Methods in Molecular Biology</i> , 2017, 1587, 139-146.	0.9	4
76	Residual APCs Are Critical for the More Potent Immune Response Following the Engraftment of Older Organs. <i>Transplantation</i> , 2012, 94, 462.	1.0	0
77	Consequences of Aging on Memory CD4 T-Cell Responses. <i>Transplantation</i> , 2012, 94, 452.	1.0	0
78	Residual APCs Are Critical for the More Potent Immune Response Following the Engraftment of Older Organs. <i>Transplantation</i> , 2012, 94, 112.	1.0	0
79	SIRT6 Regulates Telomere Movement in the Presence and Absence of Oxidative Damage. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0