Junjie Chen

List of Publications by Year
in descending order

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Version: 2024-02-01

111 papers	14,518 citations	30070 54 h-index	24258 110 g-index
230 all docs	230 docs citations	230 times ranked	17727 citing authors

#	Article	IF	Citations
1	Association of BRCA1 with Rad51 in Mitotic and Meiotic Cells. Cell, 1997, 88, 265-275.	28.9	1,392
2	RNF8 Transduces the DNA-Damage Signal via Histone Ubiquitylation and Checkpoint Protein Assembly. Cell, 2007, 131, 901-914.	28.9	906
3	Structural Basis for the Methylation State-Specific Recognition of Histone H4-K20 by 53BP1 and Crb2 in DNA Repair. Cell, 2006, 127, 1361-1373.	28.9	883
4	BAP1 links metabolic regulation of ferroptosis to tumour suppression. Nature Cell Biology, 2018, 20, 1181-1192.	10.3	565
5	MDC1 Maintains Genomic Stability by Participating in the Amplification of ATM-Dependent DNA Damage Signals. Molecular Cell, 2006, 21, 187-200.	9.7	553
6	Stable Interaction between the Products of the BRCA1 and BRCA2 Tumor Suppressor Genes in Mitotic and Meiotic Cells. Molecular Cell, 1998, 2, 317-328.	9.7	545
7	PALB2 is an integral component of the BRCA complex required for homologous recombination repair. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 7155-7160.	7.1	504
8	Ubiquitin-Binding Protein RAP80 Mediates BRCA1-Dependent DNA Damage Response. Science, 2007, 316, 1202-1205.	12.6	495
9	REV7 counteracts DNA double-strand break resection and affects PARP inhibition. Nature, 2015, 521, 541-544.	27.8	487
10	Tumor Suppressor P53 Binding Protein 1 (53bp1) Is Involved in DNA Damageâ€“Signaling Pathways. Journal of Cell Biology, 2001, 153, 613-620.	5.2	448
11	AMPK modulates Hippo pathway activity to regulate energy homeostasis. Nature Cell Biology, 2015, 17, 490-499.	10.3	411
12	ATM-mediated stabilization of ZEB1 promotes DNA damage response and radioresistance through CHK1. Nature Cell Biology, 2014, 16, 864-875.	10.3	367
13	p53 Binding Protein 53BP1 Is Required for DNA Damage Responses and Tumor Suppression in Mice. Molecular and Cellular Biology, 2003, 23, 2556-2563.	2.3	365
14	mTORC1 couples cyst(e)ine availability with GPX4 protein synthesis and ferroptosis regulation. Nature Communications, 2021, 12, 1589.	12.8	317
15	Accumulation of Checkpoint Protein 53BP1 at DNA Breaks Involves Its Binding to Phosphorylated Histone H2AX. Journal of Biological Chemistry, 2003, 278, 19579-19582.	3.4	303
16	LncRNA NBR2 engages a metabolic checkpoint by regulating AMPK under energy stress. Nature Cell Biology, 2016, 18, 431-442.	10.3	239
17	RIF1 Counteracts BRCA1-mediated End Resection during DNA Repair. Journal of Biological Chemistry, 2013, 288, 11135-11143.	3.4	235
18	FAN1 Acts with FANCI-FANCD2 to Promote DNA Interstrand Cross-Link Repair. Science, 2010, 329, 693-696.	12.6	231

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19	Angiomotin-like Proteins Associate with and Negatively Regulate YAP1. Journal of Biological Chemistry, 2011, 286, 4364-4370.	3.4	225
20	Human Claspin Is Required for Replication Checkpoint Control. Journal of Biological Chemistry, 2003, 278, 30057-30062.	3.4	214
21	CCDC98 is a BRCA1-BRCT domainâ€“binding protein involved in the DNA damage response. Nature Structural and Molecular Biology, 2007, 14, 710-715.	8.2	182
22	Deubiquitylation and stabilization of PTEN by USP13. Nature Cell Biology, 2013, 15, 1486-1494.	10.3	172
23	PTPN14 is required for the density-dependent control of YAP1. Genes and Development, 2012, 26, 1959-1971.	5.9	166
24	Tankyrase Inhibitors Target YAP by Stabilizing Angiomotin Family Proteins. Cell Reports, 2015, 13, 524-532.	6.4	160
25	miR-205 acts as a tumour radiosensitizer by targeting ZEB1 and Ubc13. Nature Communications, 2014, 5, 5671.	12.8	148
26	System-Wide Modulation of HECT E3 Ligases with Selective Ubiquitin Variant Probes. Molecular Cell, 2016, 62, 121-136.	9.7	142
27	Biological and clinical aspects of HPV-related cancers. Cancer Biology and Medicine, 2020, 17, 864-878.	3.0	140
28	Defining the Proteinâ€“Protein Interaction Network of the Human Hippo Pathway. Molecular and Cellular Proteomics, 2014, 13, 119-131.	3.8	126
29	Proteomic analyses reveal distinct chromatinâ€associated and soluble transcription factor complexes. Molecular Systems Biology, 2015, 11, 775.	7.2	121
30	<scp>SLFN</scp> 11 inhibits checkpoint maintenance and homologous recombination repair. EMBO Reports, 2016, 17, 94-109.	4.5	116
31	RPA-Binding Protein ETAA1 Is an ATR Activator Involved in DNA Replication Stress Response. Current Biology, 2016, 26, 3257-3268.	3.9	111
32	FOXKs Promote Wnt/Î²-Catenin Signaling by Translocating DVL into the Nucleus. Developmental Cell, 2015, 32, 707-718.	7.0	106
33	Poly-ADP ribosylation of PTEN by tankyrases promotes PTEN degradation and tumor growth. Genes and Development, 2015, 29, 157-170.	5.9	103
34	Recent progress in mass spectrometry proteomics for biomedical research. Science China Life Sciences, 2017, 60, 1093-1113.	4.9	97
35	Genome-wide CRISPR screens reveal synthetic lethality of RNASEH2 deficiency and ATR inhibition. Oncogene, 2019, 38, 2451-2463.	5.9	97
36	PTIP associates with Artemis to dictate DNA repair pathway choice. Genes and Development, 2014, 28, 2693-2698.	5.9	95

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37	Proliferating Cell Nuclear Antigen (PCNA)-binding Protein C1orf124 Is a Regulator of Translesion Synthesis. Journal of Biological Chemistry, 2012, 287, 34225-34233.	3.4	94
38	novoBreak: local assembly for breakpoint detection in cancer genomes. Nature Methods, 2017, 14, 65-67.	19.0	93
39	Polo-like kinase 3 regulates CtIP during DNA double-strand break repair in G1. Journal of Cell Biology, 2014, 206, 877-894.	5.2	92
40	ATR inhibition potentiates ionizing radiationâ€induced interferon response via cytosolic nucleic acidâ€sensing pathways. EMBO Journal, 2020, 39, e104036.	7.8	87
41	LIG4 mediates Wnt signalling-induced radioresistance. Nature Communications, 2016, 7, 10994.	12.8	86
42	Modularized Functions of the Fanconi Anemia Core Complex. Cell Reports, 2014, 7, 1849-1857.	6.4	81
43	UHRF1 Contributes to DNA Damage Repair as a Lesion Recognition Factor and Nuclease Scaffold. Cell Reports, 2015, 10, 1957-1966.	6.4	80
44	Large tumor suppressor homologs 1 and 2 regulate mouse liver progenitor cell proliferation and maturation through antagonism of the coactivators YAP and TAZ. Hepatology, 2016, 64, 1757-1772.	7.3	79
45	Claspin, a regulator of Chk1 in DNA replication stress pathway. DNA Repair, 2004, 3, 1033-1037.	2.8	73
46	Accumulation of Pax2 Transactivation Domain Interaction Protein (PTIP) at Sites of DNA Breaks via RNF8-dependent Pathway Is Required for Cell Survival after DNA Damage. Journal of Biological Chemistry, 2009, 284, 7284-7293.	3.4	73
47	Fanconi anemia (FA) binding protein FAAP20 stabilizes FA complementation group A (FANCA) and participates in interstrand cross-link repair. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 4491-4496.	7.1	72
48	Proteomic Analysis of the Human Tankyrase Protein Interaction Network Reveals Its Role in Pexophagy. Cell Reports, 2017, 20, 737-749.	6.4	69
49	hSWS1Â·SWSAP1 Is an Evolutionarily Conserved Complex Required for Efficient Homologous Recombination Repair. Journal of Biological Chemistry, 2011, 286, 41758-41766.	3.4	66
50	TMEM9 promotes intestinal tumorigenesis through vacuolar-ATPase-activated Wnt/Î²-catenin signalling. Nature Cell Biology, 2018, 20, 1421-1433.	10.3	64
51	PAF-Wnt signaling-induced cell plasticity is required for maintenance of breast cancer cell stemness. Nature Communications, 2016, 7, 10633.	12.8	63
52	Tankyrase disrupts metabolic homeostasis and promotes tumorigenesis by inhibiting LKB1-AMPK signalling. Nature Communications, 2019, 10, 4363.	12.8	61
53	Global phosphoproteomic analysis reveals ARMC10 as an AMPK substrate that regulates mitochondrial dynamics. Nature Communications, 2019, 10, 104.	12.8	61
54	Cell cycle-dependent inhibition of 53BP1 signaling by BRCA1. Cell Discovery, 2015, 1, 15019.	6.7	59

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55	Mitochondrial reactive oxygen species are scavenged by Cockayne syndrome B protein in human fibroblasts without nuclear DNA damage. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 13487-13492.	7.1	57
56	KIAA1530 Protein Is Recruited by Cockayne Syndrome Complementation Group Protein A (CSA) to Participate in Transcription-coupled Repair (TCR). Journal of Biological Chemistry, 2012, 287, 35118-35126.	3.4	54
57	Interactomes of SARSâ€CoVâ€2 and human coronaviruses reveal host factors potentially affecting pathogenesis. EMBO Journal, 2021, 40, e107776.	7.8	53
58	ATR-mediated CD47 and PD-L1 up-regulation restricts radiotherapy-induced immune priming and abscopal responses in colorectal cancer. Science Immunology, 2022, 7, .	11.9	52
59	TopBP1 Controls BLM Protein Level to Maintain Genome Stability. Molecular Cell, 2013, 52, 667-678.	9.7	51
60	E3 Ligase RFWD3 Participates in Replication Checkpoint Control. Journal of Biological Chemistry, 2011, 286, 22308-22313.	3.4	46
61	PARP Inhibition Suppresses Growth of EGFR-Mutant Cancers by Targeting Nuclear PKM2. Cell Reports, 2016, 15, 843-856.	6.4	46
62	Remodeling of Interstrand Crosslink Proximal Replisomes Is Dependent on ATR, FANCM, and FANCD2. Cell Reports, 2019, 27, 1794-1808.e5.	6.4	44
63	ZRANB1 Is an EZH2 Deubiquitinase and a Potential Therapeutic Target in Breast Cancer. Cell Reports, 2018, 23, 823-837.	6.4	42
64	Defining the Protein-Protein Interaction Network of the Human Protein Tyrosine Phosphatase Family. Molecular and Cellular Proteomics, 2016, 15, 3030-3044.	3.8	41
65	CDK16 Phosphorylates and Degrades p53 to Promote Radioresistance and Predicts Prognosis in Lung Cancer. Theranostics, 2018, 8, 650-662.	10.0	41
66	Deregulation of CRAD-controlled cytoskeleton initiates mucinous colorectal cancer via Î²-catenin. Nature Cell Biology, 2018, 20, 1303-1314.	10.3	38
67	The p53-binding protein 1-Tudor-interacting repair regulator complex participates in the DNA damage response. Journal of Biological Chemistry, 2017, 292, 6461-6467.	3.4	37
68	PAF remodels the DREAM complex to bypass cell quiescence and promote lung tumorigenesis. Molecular Cell, 2021, 81, 1698-1714.e6.	9.7	35
69	Proteomic Analysis of the Human Cyclin-dependent Kinase Family Reveals a Novel CDK5 Complex Involved in Cell Growth and Migration. Molecular and Cellular Proteomics, 2014, 13, 2986-3000.	3.8	34
70	S6K1 phosphorylation-dependent degradation of Mxi1 by Î²-Trcp ubiquitin ligase promotes Myc activation and radioresistance in lung cancer. Theranostics, 2018, 8, 1286-1300.	10.0	33
71	Replisome Dynamics and Their Functional Relevance upon DNA Damage through the PCNA Interactome. Cell Reports, 2018, 25, 3869-3883.e4.	6.4	32
72	DNAâ€“protein cross-link repair: what do we know now?. Cell and Bioscience, 2020, 10, 3.	4.8	32

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73	Loss of the transforming growth factorâ€Î² effector Î²2â€Spectrin promotes genomic instability. Hepatology, 2017, 65, 678-693.	7.3	31
74	Colorectal cancer drug target prediction using ontology-based inference and network analysis. Database: the Journal of Biological Databases and Curation, 2015, 2015, .	3.0	28
75	Proteomic Analysis Reveals a Novel Mutator S (MutS) Partner Involved in Mismatch Repair Pathway. Molecular and Cellular Proteomics, 2016, 15, 1299-1308.	3.8	28
76	FOXR2 Interacts with MYC to Promote Its Transcriptional Activities and Tumorigenesis. Cell Reports, 2016, 16, 487-497.	6.4	28
77	A transcriptional coregulator, SPINÂ·DOC, attenuates the coactivator activity of Spindlin1. Journal of Biological Chemistry, 2017, 292, 20808-20817.	3.4	28
78	Delineating WWOX Protein Interactome by Tandem Affinity Purification-Mass Spectrometry: Identification of Top Interactors and Key Metabolic Pathways Involved. Frontiers in Oncology, 2018, 8, 591.	2.8	28
79	Mitosis-specific MRN complex promotes a mitotic signaling cascade to regulate spindle dynamics and chromosome segregation. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E10079-E10088.	7.1	27
80	<scp>HMCES</scp> safeguards replication from oxidative stress and ensures errorâ€free repair. EMBO Reports, 2020, 21, e49123.	4.5	27
81	SLX4IP acts with SLX4 and XPFâ€“ERCC1 to promote interstrand crosslink repair. Nucleic Acids Research, 2019, 47, 10181-10201.	14.5	26
82	Aberrant Expression of proPTPRN2 in Cancer Cells Confers Resistance to Apoptosis. Cancer Research, 2015, 75, 1846-1858.	0.9	24
83	Identification of KIAA1199 as a Biomarker for Pancreatic Intraepithelial Neoplasia. Scientific Reports, 2016, 6, 38273.	3.3	24
84	Elucidation of <scp>WW</scp> domain ligand binding specificities in the Hippo pathway reveals <scp>STXBP</scp> 4 as <scp>YAP</scp> inhibitor. EMBO Journal, 2020, 39, e102406.	7.8	23
85	CRISPR/CAS9-based DNA damage response screens reveal gene-drug interactions. DNA Repair, 2020, 87, 102803.	2.8	23
86	Low-density-lipoprotein-receptor-related protein 1 mediates Notch pathway activation. Developmental Cell, 2021, 56, 2902-2919.e8.	7.0	22
87	Nuclear receptors regulate alternative lengthening of telomeres through a novel noncanonical FANCD2 pathway. Science Advances, 2019, 5, eaax6366.	10.3	20
88	The ARK Assay Is a Sensitive and Versatile Method for the Global Detection of DNA-Protein Crosslinks. Cell Reports, 2020, 30, 1235-1245.e4.	6.4	18
89	Genetic vulnerabilities upon inhibition of DNA damage response. Nucleic Acids Research, 2021, 49, 8214-8231.	14.5	17
90	Genome-wide CRISPR screens using isogenic cells reveal vulnerabilities conferred by loss of tumor suppressors. Science Advances, 2022, 8, eabm6638.	10.3	17

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91	Genome-wide CRISPR screen uncovers a synergistic effect of combining Haspin and Aurora kinase B inhibition. Oncogene, 2020, 39, 4312-4322.	5.9	16
92	C17orf53 is identified as a novel gene involved in inter-strand crosslink repair. DNA Repair, 2020, 95, 102946.	2.8	14
93	Clustered, Regularly Interspaced Short Palindromic Repeats (CRISPR)/Cas9-coupled Affinity Purification/Mass Spectrometry Analysis Revealed a Novel Role of Neurofibromin in mTOR Signaling. Molecular and Cellular Proteomics, 2017, 16, 594-607.	3.8	13
94	FOXK1 Participates in DNA Damage Response by Controlling 53BP1 Function. Cell Reports, 2020, 32, 108018.	6.4	13
95	Proteome-wide Analysis Reveals Substrates of E3 Ligase RNF146 Targeted for Degradation. Molecular and Cellular Proteomics, 2020, 19, 2015-2030.	3.8	13
96	DNA polymerase Î¹ compensates for Fanconi anemia pathway deficiency by countering DNA replication stress. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 33436-33445.	7.1	13
97	Genome-wide CRISPR screens reveal cyclin C as synthetic survival target of BRCA2. Nucleic Acids Research, 2021, 49, 7476-7491.	14.5	13
98	Non-canonical function of DGCR8 in DNA double-strand break repair signaling and tumor radioresistance. Nature Communications, 2021, 12, 4033.	12.8	12
99	AMPK Interactome Reveals New Function in Non-homologous End Joining DNA Repair. Molecular and Cellular Proteomics, 2020, 19, 467-477.	3.8	11
100	Selective Labeling and Identification of the Tumor Cell Proteome of Pancreatic Cancer In Vivo. Journal of Proteome Research, 2021, 20, 858-866.	3.7	10
101	Integrated screens uncover a cell surface tumor suppressor gene KIRREL involved in Hippo pathway. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	10
102	Ubiquitylation in DNA double-strand break repair. DNA Repair, 2021, 103, 103129.	2.8	7
103	Histone chaperone ASF1 acts with RIF1 to promote DNA end joining in BRCA1-deficient cells. Journal of Biological Chemistry, 2022, 298, 101979.	3.4	7
104	Extracellular signal-regulated kinases associate with and phosphorylate DHPS to promote cell proliferation. Oncogenesis, 2020, 9, 85.	4.9	5
105	P53-participated cellular and molecular responses to irradiation are cell differentiation-determined in murine intestinal epithelium. Archives of Biochemistry and Biophysics, 2014, 542, 21-27.	3.0	4
106	TopBP1 Stabilizes BLM Protein to Suppress Sister Chromatid Exchange. Molecular Cell, 2015, 57, 955-956.	9.7	4
107	Phosphoproteomics Analysis Reveals a Potential Role of CHK1 in Regulation of Innate Immunity through IRF3. Journal of Proteome Research, 2020, 19, 2264-2277.	3.7	3
108	Mass spectrometry-based protein-protein interaction techniques and their applications in studies of DNA damage repair. Journal of Zhejiang University: Science B, 2021, 22, 1-20.	2.8	3

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109	H1 provides the missing link. Cell Research, 2016, 26, 5-6.	12.0	2
110	53BP1: keep an eye on merotely. Oncotarget, 2017, 8, 48527-48528.	1.8	1
111	Functional Divergence of Fanconi Anemia Genes. FASEB Journal, 2013, 27, .	0.5	0