Xiaochun Yu

List of Publications by Year
in descending order

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67	5,315	185998	110170
papers	citations	28 h-index	64 g-index

69	69	69	6336
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	RNF8 Transduces the DNA-Damage Signal via Histone Ubiquitylation and Checkpoint Protein Assembly. Cell, 2007, 131, 901-914.	13.5	906
2	The BRCT Domain Is a Phospho-Protein Binding Domain. Science, 2003, 302, 639-642.	6.0	770
3	DNA Damage-Induced Cell Cycle Checkpoint Control Requires CtIP, a Phosphorylation-Dependent Binding Partner of BRCA1 C-Terminal Domains. Molecular and Cellular Biology, 2004, 24, 9478-9486.	1.1	355
4	Function of BRCA1 in the DNA Damage Response Is Mediated by ADP-Ribosylation. Cancer Cell, 2013, 23, 693-704.	7.7	261
5	BRCA1 ubiquitinates its phosphorylation-dependent binding partner CtIP. Genes and Development, 2006, 20, 1721-1726.	2.7	254
6	Functions of PARylation in DNA Damage Repair Pathways. Genomics, Proteomics and Bioinformatics, 2016, 14, 131-139.	3.0	215
7	Phosphopeptide Binding Specificities of BRCA1 COOH-terminal (BRCT) Domains. Journal of Biological Chemistry, 2003, 278, 52914-52918.	1.6	206
8	RNF8-Dependent Histone Modifications Regulate Nucleosome Removal during Spermatogenesis. Developmental Cell, 2010, 18, 371-384.	3.1	200
9	Chfr is required for tumor suppression and Aurora A regulation. Nature Genetics, 2005, 37, 401-406.	9.4	199
10	The role of poly ADP-ribosylation in the first wave of DNA damage response. Nucleic Acids Research, 2017, 45, 8129-8141.	6.5	157
11	ADPâ€ribosyltransferases, an update on function and nomenclature. FEBS Journal, 2022, 289, 7399-7410.	2.2	150
12	The FHA and BRCT domains recognize ADP-ribosylation during DNA damage response. Genes and Development, 2013, 27, 1752-1768.	2.7	132
13	PARP2 mediates branched poly ADP-ribosylation in response to DNA damage. Nature Communications, 2018, 9, 3233.	5.8	114
14	Super-resolution imaging identifies PARP1 and the Ku complex acting as DNA double-strand break sensors. Nucleic Acids Research, 2018, 46, 3446-3457.	6.5	88
15	Structural Basis of BACH1 Phosphopeptide Recognition by BRCA1 Tandem BRCT Domains. Structure, 2004, 12, 1137-1146.	1.6	87
16	53BP1 Cooperates with p53 and Functions as a Haploinsufficient Tumor Suppressor in Mice. Molecular and Cellular Biology, 2005, 25, 10079-10086.	1.1	80
17	ADP-Ribosyltransferases and Poly ADP-Ribosylation. Current Protein and Peptide Science, 2015, 16, 491-501.	0.7	76
18	SIRT1 Activation Disrupts Maintenance of Myelodysplastic Syndrome Stem and Progenitor Cells by Restoring TET2 Function. Cell Stem Cell, 2018, 23, 355-369.e9.	5.2	68

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19	Poly-ADP ribosylation in DNA damage response and cancer therapy. Mutation Research - Reviews in Mutation Research, 2019, 780, 82-91.	2.4	61
20	Targeting dePARylation selectively suppresses DNA repairâ€“defective and PARP inhibitorâ€“resistant malignancies. Science Advances, 2019, 5, eaav4340.	4.7	57
21	The oligonucleotide/oligosaccharide-binding fold motif is a poly(ADP-ribose)-binding domain that mediates DNA damage response. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 7278-7283.	3.3	55
22	The PIN domain of EXO1 recognizes poly(ADP-ribose) in DNA damage response. Nucleic Acids Research, 2015, 43, 10782-10794.	6.5	53
23	NADP+ is an endogenous PARP inhibitor in DNA damage response and tumor suppression. Nature Communications, 2019, 10, 693.	5.8	45
24	Selective targeting of TET catalytic domain promotes somatic cell reprogramming. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 3621-3626.	3.3	44
25	Poly(ADP-Ribose) Mediates the BRCA2-Dependent Early DNA Damage Response. Cell Reports, 2015, 13, 678-689.	2.9	43
26	OGT restrains the expansion of DNA damage signaling. Nucleic Acids Research, 2016, 44, gkw663.	6.5	40
27	Chemopreventive Effects of ROS Targeting in a Murine Model of BRCA1-Deficient Breast Cancer. Cancer Research, 2017, 77, 448-458.	0.4	40
28	The zinc finger proteins ZNF644 and WIZ regulate the G9a/GLP complex for gene repression. ELife, 2015, 4, .	2.8	40
29	Double-strand break repair on sex chromosomes: challenges during male meiotic prophase. Cell Cycle, 2015, 14, 516-525.	1.3	37
30	ADPâ€ribosylation of histone variant H2AX promotes base excision repair. EMBO Journal, 2021, 40, e104542.	3.5	32
31	Poly(ADP-ribosyl)ation mediates early phase histone eviction at DNA lesions. Nucleic Acids Research, 2020, 48, 3001-3013.	6.5	29
32	Regulation of the DNA damage response on male meiotic sex chromosomes. Nature Communications, 2013, 4, 2105.	5.8	28
33	CTCF participates in DNA damage response via poly(ADP-ribosyl)ation. Scientific Reports, 2017, 7, 43530.	1.6	25
34	Human DNA ligase IV is able to use NAD+ as an alternative adenylation donor for DNA ends ligation. Nucleic Acids Research, 2019, 47, 1321-1334.	6.5	22
35	LGR5 regulates gastric adenocarcinoma cell proliferation and invasion via activating Wnt signaling pathway. Oncogenesis, 2018, 7, 57.	2.1	20
36	Targeting dePARylation for cancer therapy. Cell and Bioscience, 2020, 10, 7.	2.1	20

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37	Truncated PARP1 mediates ADP-ribosylation of RNA polymerase III for apoptosis. Cell Discovery, 2022, 8, 3.	3.1	20
38	GALNT14 Involves the Regulation of Multidrug Resistance in Breast Cancer Cells. Translational Oncology, 2018, 11, 786-793.	1.7	19
39	Zinc Finger Protein 618 Regulates the Function of UHRF2 (Ubiquitin-like with PHD and Ring Finger) Tj ETQq1 1 0.784314 rgBT /Overlock 13679-13688.	1.6	17
40	Structureâ€“function analyses reveal the mechanism of the ARH3-dependent hydrolysis of ADP-ribosylation. Journal of Biological Chemistry, 2018, 293, 14470-14480.	1.6	17
41	Molecular basis for the inhibition of the methyl-lysine binding function of 53BP1 by TIRR. Nature Communications, 2018, 9, 2689.	5.8	17
42	The RNF20/40 complex regulates p53-dependent gene transcription and mRNA splicing. Journal of Molecular Cell Biology, 2020, 12, 113-124.	1.5	16
43	Topoisomerase II Regulates the Maintenance of DNA Methylation. Journal of Biological Chemistry, 2015, 290, 851-860.	1.6	15
44	EFEMP2 Mediates GALNT14-Dependent Breast Cancer Cell Invasion. Translational Oncology, 2018, 11, 346-352.	1.7	15
45	Molecular basis for the MacroD1-mediated hydrolysis of ADP-ribosylation. DNA Repair, 2020, 94, 102899.	1.3	15
46	Pre-ribosomal RNA reorganizes DNA damage repair factors in nucleus during meiotic prophase and DNA damage response. Cell Research, 2022, 32, 254-268.	5.7	15
47	UHRF2 regulates local 5-methylcytosine and suppresses spontaneous seizures. Epigenetics, 2017, 12, 551-560.	1.3	14
48	ATR/ATM-Mediated Phosphorylation of BRCA1 T1394 Promotes Homologous Recombinational Repair and G2â€“M Checkpoint Maintenance. Cancer Research, 2021, 81, 4676-4684.	0.4	14
49	8â€chloroâ€adenosine activity in FLT3â€ITD acute myeloid leukemia. Journal of Cellular Physiology, 2019, 234, 16295-16303.	2.0	12
50	Targeting reactive nitrogen species suppresses hereditary pancreatic cancer. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 7106-7111.	3.3	11
51	Tissue-Specific Carcinogens as Soil to Seed BRCA1/2-Mutant Hereditary Cancers. Trends in Cancer, 2020, 6, 559-568.	3.8	11
52	OGA is associated with deglycosylation of NONO and the KU complex during DNA damage repair. Cell Death and Disease, 2021, 12, 622.	2.7	11
53	Poly(ADP-ribose) protects vascular smooth muscle cells from oxidative DNA damage. BMB Reports, 2015, 48, 354-359.	1.1	9
54	Functional deficiency of DNA repair gene EXO5 results in androgen-induced genomic instability and prostate tumorigenesis. Oncogene, 2020, 39, 1246-1259.	2.6	8

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55	AI26 inhibits the ADP-ribosylhydrolase ARH3 and suppresses DNA damage repair. Journal of Biological Chemistry, 2020, 295, 13838-13849.	1.6	8
56	The role of dePARylation in DNA damage repair and cancer suppression. DNA Repair, 2019, 76, 20-29.	1.3	7
57	Silencing of CHFR Sensitizes Gastric Carcinoma to PARP Inhibitor Treatment. Translational Oncology, 2020, 13, 113-121.	1.7	7
58	Cancer-associated 53BP1 mutations induce DNA damage repair defects. Cancer Letters, 2021, 501, 43-54.	3.2	7
59	Ribosomal RNA regulates chromosome clustering during mitosis. Cell Discovery, 2022, 8, .	3.1	7
60	CHFR is important for the survival of male premeiotic germ cells. Cell Cycle, 2015, 14, 3454-3460.	1.3	5
61	ATR prevents Ca 2+ overloadâ€induced necrotic cell death through phosphorylationâ€mediated inactivation of PARP1 without DNA damage signaling. FASEB Journal, 2021, 35, e21373.	0.2	4
62	ADP-ribosylhydrolases: from DNA damage repair to COVID-19. Journal of Zhejiang University: Science B, 2021, 22, 21-30.	1.3	2
63	Functional defects of cancer-associated MDC1 mutations in DNA damage repair. DNA Repair, 2022, 114, 103330.	1.3	2
64	A special issue on the DNA damage response and genomic instability. Acta Biochimica Et Biophysica Sinica, 2016, 48, 593-593.	0.9	0
65	TET2 Activity Is Modulated By SIRT1-Mediated Protein Deacetylation: A Potential Therapeutic Target in Myelodysplastic Syndrome. Blood, 2016, 128, 1053-1053.	0.6	0
66	Antileukemic Activity of 8-Chloro-Adenosine (8-Cl-Ado) Is Mediated By Mir-155 Degradation and ErbB3 Binding Protein (Ebp1)-Dependent p53 Activation: A Novel Therapeutic Approach for FLT3-ITD Acute Myeloid Leukemia (AML). Blood, 2018, 132, 3938-3938.	0.6	0
67	The impact of TOPBP1 mutations in human cancers on the DNA damage response. Genome Instability & Disease, 0, , .	0.5	0