

Yue Xiong

List of Publications by Year in descending order

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100
papers

17,741
citations

26630

56
h-index

36028

97
g-index

102
all docs

102
docs citations

102
times ranked

25479
citing authors

#	ARTICLE	IF	CITATIONS
1	Oncometabolite 2-Hydroxyglutarate Is a Competitive Inhibitor of α -Ketoglutarate-Dependent Dioxygenases. <i>Cancer Cell</i> , 2011, 19, 17-30.	16.8	2,340
2	Regulation of Cellular Metabolism by Protein Lysine Acetylation. <i>Science</i> , 2010, 327, 1000-1004.	12.6	1,642
3	Glioma-Derived Mutations in <i>IDH1</i> Dominantly Inhibit <i>IDH1</i> Catalytic Activity and Induce HIF-1 α . <i>Science</i> , 2009, 324, 261-265.	12.6	1,014
4	Inhibition of α -KG-dependent histone and DNA demethylases by fumarate and succinate that are accumulated in mutations of FH and SDH tumor suppressors. <i>Genes and Development</i> , 2012, 26, 1326-1338.	5.9	855
5	TAZ Promotes Cell Proliferation and Epithelial-Mesenchymal Transition and Is Inhibited by the Hippo Pathway. <i>Molecular and Cellular Biology</i> , 2008, 28, 2426-2436.	2.3	805
6	Ribosomal Protein L11 Negatively Regulates Oncoprotein MDM2 and Mediates a p53-Dependent Ribosomal-Stress Checkpoint Pathway. <i>Molecular and Cellular Biology</i> , 2003, 23, 8902-8912.	2.3	488
7	Acetylation Targets the M2 Isoform of Pyruvate Kinase for Degradation through Chaperone-Mediated Autophagy and Promotes Tumor Growth. <i>Molecular Cell</i> , 2011, 42, 719-730.	9.7	479
8	TEAD Transcription Factors Mediate the Function of TAZ in Cell Growth and Epithelial-Mesenchymal Transition. <i>Journal of Biological Chemistry</i> , 2009, 284, 13355-13362.	3.4	470
9	Tumour suppressor SIRT3 deacetylates and activates manganese superoxide dismutase to scavenge ROS. <i>EMBO Reports</i> , 2011, 12, 534-541.	4.5	468
10	CRL4s: the CUL4-RING E3 ubiquitin ligases. <i>Trends in Biochemical Sciences</i> , 2009, 34, 562-570.	7.5	351
11	A p53 Amino-Terminal Nuclear Export Signal Inhibited by DNA Damage-Induced Phosphorylation. <i>Science</i> , 2001, 292, 1910-1915.	12.6	342
12	<i>IDH1</i> and <i>IDH2</i> Mutations in Tumorigenesis: Mechanistic Insights and Clinical Perspectives. <i>Clinical Cancer Research</i> , 2012, 18, 5562-5571.	7.0	341
13	Acetylation Regulates Gluconeogenesis by Promoting PEPCK1 Degradation via Recruiting the UBR5 Ubiquitin Ligase. <i>Molecular Cell</i> , 2011, 43, 33-44.	9.7	331
14	Regulation of intermediary metabolism by protein acetylation. <i>Trends in Biochemical Sciences</i> , 2011, 36, 108-116.	7.5	323
15	Targeted ubiquitination of CDT1 by the DDB1-CUL4A-ROC1 ligase in response to DNA damage. <i>Nature Cell Biology</i> , 2004, 6, 1003-1009.	10.3	322
16	pRB family proteins are required for H3K27 trimethylation and Polycomb repression complexes binding to and silencing p16INK4a tumor suppressor gene. <i>Genes and Development</i> , 2007, 21, 49-54.	5.9	292
17	Acetylation Stabilizes ATP-Citrate Lyase to Promote Lipid Biosynthesis and Tumor Growth. <i>Molecular Cell</i> , 2013, 51, 506-518.	9.7	291
18	DDB1 functions as a linker to recruit receptor WD40 proteins to CUL4-ROC1 ubiquitin ligases. <i>Genes and Development</i> , 2006, 20, 2949-2954.	5.9	287

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19	Nutrient Sensing, Metabolism, and Cell Growth Control. <i>Molecular Cell</i> , 2013, 49, 379-387.	9.7	285
20	Advancing targeted protein degradation for cancer therapy. <i>Nature Reviews Cancer</i> , 2021, 21, 638-654.	28.4	251
21	WT1 Recruits TET2 to Regulate Its Target Gene Expression and Suppress Leukemia Cell Proliferation. <i>Molecular Cell</i> , 2015, 57, 662-673.	9.7	242
22	Hepatitis B Virus X Protein Promotes Degradation of SMC5/6 to Enhance HBV Replication. <i>Cell Reports</i> , 2016, 16, 2846-2854.	6.4	235
23	SIRT5 promotes IDH2 desuccinylation and G6PD deglutarylation to enhance cellular antioxidant defense. <i>EMBO Reports</i> , 2016, 17, 811-822.	4.5	210
24	Regulation of G6PD acetylation by KAT9/SIRT2 modulates NADPH homeostasis and cell survival during oxidative stress. <i>EMBO Journal</i> , 2014, 33, 1304-20.	7.8	205
25	Mechanistic insights into the regulation of metabolic enzymes by acetylation. <i>Journal of Cell Biology</i> , 2012, 198, 155-164.	5.2	202
26	Estrogen regulates Hippo signaling via GPER in breast cancer. <i>Journal of Clinical Investigation</i> , 2015, 125, 2123-2135.	8.2	179
27	SIRT5 inhibits peroxisomal ACOX1 to prevent oxidative damage and is downregulated in liver cancer. <i>EMBO Reports</i> , 2018, 19, .	4.5	171
28	Proteolysis Targeting Chimeras (PROTACs) of Anaplastic Lymphoma Kinase (ALK). <i>European Journal of Medicinal Chemistry</i> , 2018, 151, 304-314.	5.5	165
29	Metabolism, Activity, and Targeting of D- and L-2-Hydroxyglutarates. <i>Trends in Cancer</i> , 2018, 4, 151-165.	7.4	160
30	Oncometabolite D-2-Hydroxyglutarate Inhibits ALKBH DNA Repair Enzymes and Sensitizes IDH Mutant Cells to Alkylating Agents. <i>Cell Reports</i> , 2015, 13, 2353-2361.	6.4	153
31	SIRT3-independent GOT2 acetylation status affects the malate-aspartate NADH shuttle activity and pancreatic tumor growth. <i>EMBO Journal</i> , 2015, 34, 1110-1125.	7.8	152
32	Tumor suppressor TET2 promotes cancer immunity and immunotherapy efficacy. <i>Journal of Clinical Investigation</i> , 2019, 129, 4316-4331.	8.2	143
33	<i>Arabidopsis</i> DDB1-CUL4 ASSOCIATED FACTOR1 Forms a Nuclear E3 Ubiquitin Ligase with DDB1 and CUL4 That Is Involved in Multiple Plant Developmental Processes. <i>Plant Cell</i> , 2008, 20, 1437-1455.	6.6	142
34	WD40 protein FBW5 promotes ubiquitination of tumor suppressor TSC2 by DDB1-CUL4-ROC1 ligase. <i>Genes and Development</i> , 2008, 22, 866-871.	5.9	135
35	Targeting ferroptosis alleviates methionine-choline deficient (MCD)-diet induced NASH by suppressing liver lipotoxicity. <i>Liver International</i> , 2020, 40, 1378-1394.	3.9	135
36	NOTCH-induced aldehyde dehydrogenase 1A1 deacetylation promotes breast cancer stem cells. <i>Journal of Clinical Investigation</i> , 2014, 124, 5453-5465.	8.2	128

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37	Acetylation accumulates PFKFB3 in cytoplasm to promote glycolysis and protects cells from cisplatin-induced apoptosis. <i>Nature Communications</i> , 2018, 9, 508.	12.8	127
38	Metabolic reprogramming by PCK1 promotes TCA cataplerosis, oxidative stress and apoptosis in liver cancer cells and suppresses hepatocellular carcinoma. <i>Oncogene</i> , 2018, 37, 1637-1653.	5.9	125
39	Oxidative Stress Activates SIRT2 to Deacetylate and Stimulate Phosphoglycerate Mutase. <i>Cancer Research</i> , 2014, 74, 3630-3642.	0.9	124
40	Discovery of Potent and Selective Epidermal Growth Factor Receptor (EGFR) Bifunctional Small-Molecule Degraders. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 1216-1232.	6.4	111
41	Acetylation Negatively Regulates Glycogen Phosphorylase by Recruiting Protein Phosphatase 1. <i>Cell Metabolism</i> , 2012, 15, 75-87.	16.2	110
42	X-Linked Mental Retardation Gene CUL4B Targets Ubiquitylation of H3K4 Methyltransferase Component WDR5 and Regulates Neuronal Gene Expression. <i>Molecular Cell</i> , 2011, 43, 381-391.	9.7	102
43	Alterations of metabolic genes and metabolites in cancer. <i>Seminars in Cell and Developmental Biology</i> , 2012, 23, 370-380.	5.0	100
44	p15PAF, a novel PCNA associated factor with increased expression in tumor tissues. <i>Oncogene</i> , 2001, 20, 484-489.	5.9	99
45	Regulation of Glycolysis and Gluconeogenesis by Acetylation of PKM and PEPCK. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 2011, 76, 285-289.	1.1	93
46	Destabilization of Fatty Acid Synthase by Acetylation Inhibits <i>De Novo</i> Lipogenesis and Tumor Cell Growth. <i>Cancer Research</i> , 2016, 76, 6924-6936.	0.9	92
47	CRL4VprBP E3 Ligase Promotes Monoubiquitylation and Chromatin Binding of TET Dioxygenases. <i>Molecular Cell</i> , 2015, 57, 247-260.	9.7	90
48	Thromboxane A2 Activates YAP/TAZ Protein to Induce Vascular Smooth Muscle Cell Proliferation and Migration. <i>Journal of Biological Chemistry</i> , 2016, 291, 18947-18958.	3.4	88
49	G-protein-coupled receptors regulate autophagy by ZBTB16-mediated ubiquitination and proteasomal degradation of Atg14L. <i>ELife</i> , 2015, 4, e06734.	6.0	80
50	R-2-Hydroxyglutarate as the Key Effector of IDH Mutations Promoting Oncogenesis. <i>Cancer Cell</i> , 2013, 23, 274-276.	16.8	77
51	Vpr Targets TET2 for Degradation by CRL4VprBP E3 Ligase to Sustain IL-6 Expression and Enhance HIV-1 Replication. <i>Molecular Cell</i> , 2018, 70, 961-970.e5.	9.7	77
52	Human Immunodeficiency Virus Type 1 Vpr-Binding Protein VprBP, a WD40 Protein Associated with the DDB1-CUL4 E3 Ubiquitin Ligase, Is Essential for DNA Replication and Embryonic Development. <i>Molecular and Cellular Biology</i> , 2008, 28, 5621-5633.	2.3	76
53	Insulin and mTOR Pathway Regulate HDAC3-Mediated Deacetylation and Activation of PCK1. <i>PLoS Biology</i> , 2015, 13, e1002243.	5.6	72
54	Itaconate inhibits TET DNA dioxygenases to dampen inflammatory responses. <i>Nature Cell Biology</i> , 2022, 24, 353-363.	10.3	67

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55	Endothelin Promotes Colorectal Tumorigenesis by Activating YAP/TAZ. <i>Cancer Research</i> , 2017, 77, 2413-2423.	0.9	63
56	SNIP1 Recruits TET2 to Regulate c-MYC Target Genes and Cellular DNA Damage Response. <i>Cell Reports</i> , 2018, 25, 1485-1500.e4.	6.4	63
57	The E3 ligase PARC mediates the degradation of cytosolic cytochrome c to promote survival in neurons and cancer cells. <i>Science Signaling</i> , 2014, 7, ra67.	3.6	61
58	The 3M Complex Maintains Microtubule and Genome Integrity. <i>Molecular Cell</i> , 2014, 54, 791-804.	9.7	61
59	CUL9 Mediates the Functions of the 3M Complex and Ubiquitylates Survivin to Maintain Genome Integrity. <i>Molecular Cell</i> , 2014, 54, 805-819.	9.7	60
60	Lysine 88 Acetylation Negatively Regulates Ornithine Carbamoyltransferase Activity in Response to Nutrient Signals. <i>Journal of Biological Chemistry</i> , 2009, 284, 13669-13675.	3.4	55
61	CLOCK Acetylates ASS1 to Drive Circadian Rhythm of Ureagenesis. <i>Molecular Cell</i> , 2017, 68, 198-209.e6.	9.7	53
62	TET-catalyzed 5-methylcytosine hydroxylation is dynamically regulated by metabolites. <i>Cell Research</i> , 2014, 24, 1017-1020.	12.0	51
63	Loss of SIRT5 promotes bile acid-induced immunosuppressive microenvironment and hepatocarcinogenesis. <i>Journal of Hepatology</i> , 2022, 77, 453-466.	3.7	50
64	Cytoplasmic CUL9/PARC Ubiquitin Ligase Is a Tumor Suppressor and Promotes p53-Dependent Apoptosis. <i>Cancer Research</i> , 2011, 71, 2969-2977.	0.9	49
65	PARD3 induces TAZ activation and cell growth by promoting LATS1 and PP1 interaction. <i>EMBO Reports</i> , 2015, 16, 975-985.	4.5	46
66	The oncometabolite 2-hydroxyglutarate produced by mutant IDH1 sensitizes cells to ferroptosis. <i>Cell Death and Disease</i> , 2019, 10, 755.	6.3	46
67	D-2-hydroxyglutarate is essential for maintaining oncogenic property of mutant IDH-containing cancer cells but dispensable for cell growth. <i>Oncotarget</i> , 2015, 6, 8606-8620.	1.8	46
68	Parathyroid Tumor Suppressor on 1p: Analysis of the p18 Cyclin-Dependent Kinase Inhibitor Gene As a Candidate. <i>Journal of Bone and Mineral Research</i> , 1997, 12, 1330-1334.	2.8	41
69	SIRT5 deficiency suppresses mitochondrial ATP production and promotes AMPK activation in response to energy stress. <i>PLoS ONE</i> , 2019, 14, e0211796.	2.5	40
70	Molecular analysis of the cyclin-dependent kinase inhibitor genes p15INK4b/MTS21, p16INK4/MTS1, p18 and p19 in human cancer cell lines. <i>Cell</i> , 1996, 68, 605-611.		39
71	The antiobesity factor WDTC1 suppresses adipogenesis via the CRL4 ^{WDTC1} E3 ligase. <i>EMBO Reports</i> , 2016, 17, 638-647.	4.5	37
72	VprBP binds full-length RAG1 and is required for B-cell development and V(D)J recombination fidelity. <i>EMBO Journal</i> , 2012, 31, 945-958.	7.8	34

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73	The mechanisms of IDH mutations in tumorigenesis. <i>Cell Research</i> , 2012, 22, 1102-1104.	12.0	32
74	A Non-Canonical Function of GÎ ² as a Subunit of E3 Ligase in Targeting GRK2 Ubiquitylation. <i>Molecular Cell</i> , 2015, 58, 794-803.	9.7	30
75	USP15 suppresses tumor immunity via deubiquitylation and inactivation of TET2. <i>Science Advances</i> , 2020, 6, .	10.3	28
76	DCAF1 controls T-cell function via p53-dependent and -independent mechanisms. <i>Nature Communications</i> , 2016, 7, 10307.	12.8	27
77	<i>L2hgdh</i> Deficiency Accumulates <i>l</i> -2-Hydroxyglutarate with Progressive Leukoencephalopathy and Neurodegeneration. <i>Molecular and Cellular Biology</i> , 2017, 37, .	2.3	27
78	CRL4 ^{DCAF1/VprBP} E3 ubiquitin ligase controls ribosome biogenesis, cell proliferation, and development. <i>Science Advances</i> , 2020, 6, .	10.3	27
79	Assays for RING Family Ubiquitin Ligases. , 2005, 301, 037-046.		23
80	The Zscan4-Tet2 Transcription Nexus Regulates Metabolic Rewiring and Enhances Proteostasis to Promote Reprogramming. <i>Cell Reports</i> , 2020, 32, 107877.	6.4	22
81	Metabolic alteration in tumorigenesis. <i>Science China Life Sciences</i> , 2013, 56, 1067-1075.	4.9	19
82	Rapid diagnosis of IDH1-mutated gliomas by 2-HG detection with gas chromatography mass spectrometry. <i>Laboratory Investigation</i> , 2019, 99, 588-598.	3.7	16
83	Tumor-derived neomorphic mutations in ASXL1 impairs the BAP1-ASXL1-FOXK1/K2 transcription network. <i>Protein and Cell</i> , 2021, 12, 557-577.	11.0	14
84	Impaired plasma membrane localization of ubiquitin ligase complex underlies 3-M syndrome development. <i>Journal of Clinical Investigation</i> , 2019, 129, 4393-4407.	8.2	14
85	Hypertension-associated C825T polymorphism impairs the function of GÎ ²³ to target GRK2 ubiquitination. <i>Cell Discovery</i> , 2016, 2, 16005.	6.7	13
86	<i>SIRT</i> 7 deacetylates <i>DDB</i> 1 and suppresses the activity of the <i>CRL</i> 4 E3 ligase complexes. <i>FEBS Journal</i> , 2017, 284, 3619-3636.	4.7	12
87	Targeting protein ubiquitylation: DDB1 takes its RING off. <i>Nature Cell Biology</i> , 2009, 11, 379-381.	10.3	11
88	Tumor suppressor CEBPA interacts with and inhibits DNMT3A activity. <i>Science Advances</i> , 2022, 8, eabl5220.	10.3	11
89	Tumour metabolites hinder DNA repair. <i>Nature</i> , 2020, 582, 492-494.	27.8	10
90	The CUL1 C-Terminal Sequence and ROC1 Are Required for Efficient Nuclear Accumulation, NEDD8 Modification, and Ubiquitin Ligase Activity of CUL1. <i>Molecular and Cellular Biology</i> , 2000, 20, 8185-8197.	2.3	10

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91	Exploring Degradation of Mutant and Wild-Type Epidermal Growth Factor Receptors Induced by Proteolysis-Targeting Chimeras. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 8416-8443.	6.4	10
92	No exit strategy? No problem: APC inhibits beta-catenin inside the nucleus. <i>Genes and Development</i> , 2006, 20, 637-642.	5.9	9
93	Out of the F-box: Reawakening the Pancreas. <i>Cell Stem Cell</i> , 2014, 15, 111-112.	11.1	8
94	ELP3 Acetyltransferase is phosphorylated and regulated by the oncogenic anaplastic lymphoma kinase (ALK). <i>Biochemical Journal</i> , 2019, 476, 2239-2254.	3.7	7
95	CBFB-MYH11 Fusion Sequesters RUNX1 in Cytoplasm to Prevent DNMT3A Recruitment to Target Genes in AML. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 675424.	3.7	6
96	Purification and crystallization of cyclin-dependent kinase inhibitor p21. <i>Protein Science</i> , 1996, 5, 1928-1930.	7.6	4
97	Targeting p21 Degradation Locally. <i>Developmental Cell</i> , 2010, 19, 641-643.	7.0	4
98	Chromatin regulation by CRL4 E3 ubiquitin ligases: CUL4B targets WDR5 ubiquitylation in the nucleus. <i>Cell Cycle</i> , 2011, 10, 4197-4198.	2.6	4
99	Suffocation of gene expression. <i>Nature</i> , 2016, 537, 42-43.	27.8	4
100	The Cullin-ROC family of E3 Ubiquitin Ligases. <i>FASEB Journal</i> , 2008, 22, 401.1.	0.5	0