Jun Cui

List of Publications by Year
in descending order

94 papers	6,391 citations	61984 43 h-index	74163 75 g-index
98 all docs	98 docs citations	98 times ranked	9654 citing authors

#	Article	IF	Citations
1	Selective autophagy controls the stability of TBK1 via NEDD4 to balance host defense. Cell Death and Differentiation, 2022, 29, 40-53.	11.2	21
2	Lipotoxicity-induced STING1 activation stimulates MTORC1 and restricts hepatic lipophagy. Autophagy, 2022, 18, 860-876.	9.1	31
3	cGAS guards against chromosome end-to-end fusions during mitosis and facilitates replicative senescence. Protein and Cell, 2022, 13, 47-64.	11.0	20
4	An inducible CRISPR/Cas9 screen identifies DTX2 as a transcriptional regulator of human telomerase. IScience, 2022, 25, 103813.	4.1	6
5	Palmitoylation restricts SQSTM1/p62-mediated autophagic degradation of NOD2 to modulate inflammation. Cell Death and Differentiation, 2022, 29, 1541-1551.	11.2	20
6	OTUD7B deubiquitinates SQSTM1/p62 and promotes IRF3 degradation to regulate antiviral immunity. Autophagy, 2022, 18, 2288-2302.	9.1	22
7	Virus-specific editing identification approach reveals the landscape of A-to-I editing and its impacts on SARS-CoV-2 characteristics and evolution. Nucleic Acids Research, 2022, 50, 2509-2521.	14.5	23
8	TRIM14 inhibits OPTN-mediated autophagic degradation of KDM4D to epigenetically regulate inflammation. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	7
9	The TRIM14-USP14-BRCC3 complex epigenetically regulates inflammation through inhibiting OPTN-mediated autophagic degradation of KDM4D. Autophagy, 2022, , .	9.1	0
10	Palmitoylation facilitates inflammation through suppressing NOD2 degradation mediated by the selective autophagy receptor SQSTM1. Autophagy, 2022, 18, 2254-2255.	9.1	4
11	Targeting Selective Autophagy as a Therapeutic Strategy for Viral Infectious Diseases. Frontiers in Microbiology, 2022, 13, 889835.	3.5	9
12	HFE inhibits type I IFNs signaling by targeting the SQSTM1-mediated MAVS autophagic degradation. Autophagy, 2021, 17, 1962-1977.	9.1	31
13	USP19 suppresses inflammation and promotes M2-like macrophage polarization by manipulating NLRP3 function via autophagy. Cellular and Molecular Immunology, 2021, 18, 2431-2442.	10.5	74
14	High-throughput screening of functional deubiquitinating enzymes in autophagy. Autophagy, 2021, 17, 1367-1378.	9.1	14
15	Selective autophagy controls the stability of transcription factor IRF3 to balance type I interferon production and immune suppression. Autophagy, 2021, 17, 1379-1392.	9.1	57
16	Excessive deubiquitination of NLRP3-R779C variant contributes to very-early-onset inflammatory bowel disease development. Journal of Allergy and Clinical Immunology, 2021, 147, 267-279.	2.9	38
17	Unanchored ubiquitin chain sustains RIG-I-induced interferon-I activation and controls selective gene expression. Science Bulletin, 2021, 66, 794-802.	9.0	2
18	Porphyromonas gingivalis Promotes Colorectal Carcinoma by Activating the Hematopoietic NLRP3 Inflammasome. Cancer Research, 2021, 81, 2745-2759.	0.9	77

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19	Structural basis for GTP-induced dimerization and antiviral function of guanylate-binding proteins. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	28
20	RNA-induced liquid phase separation of SARS-CoV-2 nucleocapsid protein facilitates NF-ÎºB hyper-activation and inflammation. Signal Transduction and Targeted Therapy, 2021, 6, 167.	17.1	87
21	Perfluoroalkyl substance pollutants activate the innate immune system through the AIM2 inflammasome. Nature Communications, 2021, 12, 2915.	12.8	69
22	LRRC59 modulates type I interferon signaling by restraining the SQSTM1/p62-mediated autophagic degradation of pattern recognition receptor DDX58/RIG-I. Autophagy, 2020, 16, 408-418.	9.1	56
23	TRIM14 Promotes Noncanonical NFâ€ÎºB Activation by Modulating p100/p52 Stability via Selective Autophagy. Advanced Science, 2020, 7, 1901261.	11.2	24
24	The Deubiquitinase USP38 Promotes NHEJ Repair through Regulation of HDAC1 Activity and Regulates Cancer Cell Response to Genotoxic Insults. Cancer Research, 2020, 80, 719-731.	0.9	24
25	USP38 Couples Histone Ubiquitination and Methylation via KDM5B to Resolve Inflammation. Advanced Science, 2020, 7, 2002680.	11.2	25
26	Main protease of SARS-CoV-2 serves as a bifunctional molecule in restricting type I interferon antiviral signaling. Signal Transduction and Targeted Therapy, 2020, 5, 221.	17.1	75
27	Interplay of m ⁶ A and H3K27 trimethylation restrains inflammation during bacterial infection. Science Advances, 2020, 6, eaba0647.	10.3	85
28	The NEDD4-USP13 axis facilitates autophagy via deubiquitinating PIK3C3. Autophagy, 2020, 16, 1150-1151.	9.1	14
29	Galectin-9 promotes a suppressive microenvironment in human cancer by enhancing STING degradation. Oncogenesis, 2020, 9, 65.	4.9	52
30	Auto-ubiquitination of NEDD4-1 Recruits USP13 to Facilitate Autophagy through Deubiquitinating VPS34. Cell Reports, 2020, 30, 2807-2819.e4.	6.4	44
31	Dual Feedforward Loops Modulate Type I Interferon Responses and Induce Selective Gene Expression during TLR4 Activation. IScience, 2020, 23, 100881.	4.1	7
32	IL-17 production by tissue-resident MAIT cells is locally induced in children with pneumonia. Mucosal Immunology, 2020, 13, 824-835.	6.0	70
33	Igniting autophagy through the regulation of phase separation. Signal Transduction and Targeted Therapy, 2020, 5, 49.	17.1	2
34	Potential therapeutic effects of dipyridamole in the severely ill patients with COVID-19. Acta Pharmaceutica Sinica B, 2020, 10, 1205-1215.	12.0	193
35	SFTSV Infection Induces BAK/BAX-Dependent Mitochondrial DNA Release to Trigger NLRP3 Inflammasome Activation. Cell Reports, 2020, 30, 4370-4385.e7.	6.4	80
36	Single AAV-Mediated CRISPR-SaCas9 Inhibits HSV-1 Replication by Editing ICP4 in Trigeminal Ganglion Neurons. Molecular Therapy - Methods and Clinical Development, 2020, 18, 33-43.	4.1	14

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37	Gut epithelial TSC1/mTOR controls RIPK3-dependent necroptosis in intestinal inflammation and cancer. Journal of Clinical Investigation, 2020, 130, 2111-2128.	8.2	111
38	Pik3ip1 Is a Negative Immune Regulator that Inhibits Antitumor T-Cell Immunity. Clinical Cancer Research, 2019, 25, 6180-6194.	7.0	32
39	Contributions of T cell dysfunction to the resistance against anti-PD-1 therapy in oral carcinogenesis. Journal of Experimental and Clinical Cancer Research, 2019, 38, 299.	8.6	24
40	p62 acts as an oncogene and is targeted by miR-124-3p in glioma. Cancer Cell International, 2019, 19, 280.	4.1	29
41	Mucosal Profiling of Pediatric-Onset Colitis and IBD Reveals Common Pathogenics and Therapeutic Pathways. Cell, 2019, 179, 1160-1176.e24.	28.9	163
42	NOD-like receptor family, pyrin domain containing 3 (NLRP3) contributes to inflammation, pyroptosis, and mucin production in human airway epithelium on rhinovirus infection. Journal of Allergy and Clinical Immunology, 2019, 144, 777-787.e9.	2.9	63
43	STING signaling remodels the tumor microenvironment by antagonizing myeloid-derived suppressor cell expansion. Cell Death and Differentiation, 2019, 26, 2314-2328.	11.2	81
44	The First Case of Ischemia-Free Kidney Transplantation in Humans. Frontiers in Medicine, 2019, 6, 276.	2.6	27
45	Calnexin Impairs the Antitumor Immunity of CD4+ and CD8+ T Cells. Cancer Immunology Research, 2019, 7, 123-135.	3.4	30
46	Autophagy and Immune Tolerance. Advances in Experimental Medicine and Biology, 2019, 1206, 635-665.	1.6	10
47	Selective Autophagy Regulates Innate Immunity Through Cargo Receptor Network. Advances in Experimental Medicine and Biology, 2019, 1209, 145-166.	1.6	6
48	Introduction. Advances in Experimental Medicine and Biology, 2019, 1209, 1-6.	1.6	0
49	SKP2 attenuates NF-Î°B signaling by mediating IKKÎ² degradation through autophagy. Journal of Molecular Cell Biology, 2018, 10, 205-215.	3.3	32
50	Mutual Stabilization between TRIM9 Short Isoform and MKK6 Potentiates p38 Signaling to Synergistically Suppress Glioblastoma Progression. Cell Reports, 2018, 23, 838-851.	6.4	23
51	LRRC25 inhibits type I IFN signaling by targeting ISG15â€associated RIGâ€I for autophagic degradation. EMBO Journal, 2018, 37, 351-366.	7.8	123
52	Broad and diverse mechanisms used by deubiquitinase family members in regulating the type I interferon signaling pathway during antiviral responses. Science Advances, 2018, 4, eaar2824.	10.3	65
53	BST2 inhibits type I IFN (interferon) signaling by accelerating MAVS degradation through CALCOCO2-directed autophagy. Autophagy, 2018, 14, 171-172.	9.1	25
54	Mathematical model identifies effective P53 accumulation with target gene binding affinity in DNA damage response for cell fate decision. Cell Cycle, 2018, 17, 2716-2730.	2.6	6

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55	DeepNitro: Prediction of Protein Nitration and Nitrosylation Sites by Deep Learning. Genomics, Proteomics and Bioinformatics, 2018, 16, 294-306.	6.9	81
56	Zika virus elicits inflammation to evade antiviral response by cleaving <scp>cGAS</scp> via <scp>NS</scp> 1â€caspaseâ€1 axis. EMBO Journal, 2018, 37, .	7.8	148
57	m6A RNA modification controls autophagy through upregulating ULK1 protein abundance. Cell Research, 2018, 28, 955-957.	12.0	95
58	DHX29 functions as an RNA co-sensor for MDA5-mediated EMCV-specific antiviral immunity. PLoS Pathogens, 2018, 14, e1006886.	4.7	30
59	Spleen mediates a distinct hematopoietic progenitor response supporting tumor-promoting myelopoiesis. Journal of Clinical Investigation, 2018, 128, 3425-3438.	8.2	111
60	TRIM45 functions as a tumor suppressor in the brain via its E3 ligase activity by stabilizing p53 through K63-linked ubiquitination. Cell Death and Disease, 2017, 8, e2831-e2831.	6.3	42
61	Zika virus evades interferon-mediated antiviral response through the co-operation of multiple nonstructural proteins in vitro. Cell Discovery, 2017, 3, 17006.	6.7	166
62	The Fâ€box protein <scp>FBXL</scp>18 promotes glioma progression by promoting K63â€linked ubiquitination of Akt. FEBS Letters, 2017, 591, 145-154.	2.8	20
63	Tetherin Suppresses Type I Interferon Signaling by Targeting MAVS for NDP52-Mediated Selective Autophagic Degradation in Human Cells. Molecular Cell, 2017, 68, 308-322.e4.	9.7	149
64	Stratified ubiquitination of RIG-I creates robust immune response and induces selective gene expression. Science Advances, 2017, 3, e1701764.	10.3	18
65	Assembly of the WHIP-TRIM14-PPP6C Mitochondrial Complex Promotes RIG-I-Mediated Antiviral Signaling. Molecular Cell, 2017, 68, 293-307.e5.	9.7	77
66	LRRC25 Functions as an Inhibitor of NF-ÎºB Signaling Pathway by Promoting p65/RelA for Autophagic Degradation. Scientific Reports, 2017, 7, 13448.	3.3	43
67	CLICs-dependent chloride efflux is an essential and proximal upstream event for NLRP3 inflammasome activation. Nature Communications, 2017, 8, 202.	12.8	246
68	NLRP11 attenuates Toll-like receptor signalling by targeting TRAF6 for degradation via the ubiquitin ligase RNF19A. Nature Communications, 2017, 8, 1977.	12.8	54
69	Selection of reference genes for gene expression studies in human bladder cancer using SYBRâ€'Green quantitative polymerase chain reaction. Oncology Letters, 2017, 14, 6001-6011.	1.8	10
70	<scp>NLRP</scp> 11 disrupts <scp>MAVS</scp> signalosome to inhibit type I interferon signaling and virusâ€induced apoptosis. EMBO Reports, 2017, 18, 2160-2171.	4.5	26
71	Integrated modeling and analysis of intracellular and intercellular mechanisms in shaping the interferon response to viral infection. PLoS ONE, 2017, 12, e0186105.	2.5	5
72	LMP1-mediated glycolysis induces myeloid-derived suppressor cell expansion in nasopharyngeal carcinoma. PLoS Pathogens, 2017, 13, e1006503.	4.7	103

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73	The BECN1-USP19 axis plays a role in the crosstalk between autophagy and antiviral immune responses. Autophagy, 2016, 12, 1210-1211.	9.1	31
74	USP38 Inhibits Type I Interferon Signaling by Editing TBK1ÂUbiquitination through NLRP4 Signalosome. Molecular Cell, 2016, 64, 267-281.	9.7	107
75	<scp>USP</scp>19 modulates autophagy and antiviral immune responses by deubiquitinating Beclinâ€1. EMBO Journal, 2016, 35, 866-880.	7.8	136
76	TRIM11 Suppresses AIM2 Inflammasome by Degrading AIM2 via p62-Dependent Selective Autophagy. Cell Reports, 2016, 16, 1988-2002.	6.4	141
77	LRRC14 attenuates Toll-like receptor-mediated NF-ÎºB signaling through disruption of IKK complex. Experimental Cell Research, 2016, 347, 65-73.	2.6	13
78	TRIM14 Inhibits cGAS Degradation Mediated by Selective Autophagy Receptor p62 to Promote Innate Immune Responses. Molecular Cell, 2016, 64, 105-119.	9.7	277
79	A Hierarchical Mechanism of RIG-I Ubiquitination Provides Sensitivity, Robustness and Synergy in Antiviral Immune Responses. Scientific Reports, 2016, 6, 29263.	3.3	23
80	TRIM9 short isoform preferentially promotes DNA and RNA virus-induced production of type I interferon by recruiting GSK3Î² to TBK1. Cell Research, 2016, 26, 613-628.	12.0	70
81	Reversible ubiquitination shapes NLRC5 function and modulates NF-ÎºB activation switch. Journal of Cell Biology, 2015, 211, 1025-1040.	5.2	43
82	USP18 negatively regulates NF-ÎºB signaling by targeting TAK1 and NEMO for deubiquitination through distinct mechanisms. Scientific Reports, 2015, 5, 12738.	3.3	86
83	Dynamics of P53 in response to DNA damage: Mathematical modeling and perspective. Progress in Biophysics and Molecular Biology, 2015, 119, 175-182.	2.9	25
84	COX-2 promotes metastasis in nasopharyngeal carcinoma by mediating interactions between cancer cells and myeloid-derived suppressor cells. OncoImmunology, 2015, 4, e1044712.	4.6	79
85	Mechanisms and pathways of innate immune activation and regulation in health and cancer. Human Vaccines and Immunotherapeutics, 2014, 10, 3270-3285.	3.3	246
86	The inhibitory effect of troglitazone on macrophage differentiation mediated by repressing NF-ÎºB ctivation independently of PPARÎ³. Molecular and Cellular Toxicology, 2014, 10, 261-268.	1.7	2
87	USP3 inhibits type I interferon signaling by deubiquitinating RIG-I-like receptors. Cell Research, 2014, 24, 400-416.	12.0	140
88	A plausible model for bimodal p53 switch in DNA damage response. FEBS Letters, 2014, 588, 815-821.	2.8	15
89	Tumor-derived exosomes promote tumor progression and T-cell dysfunction through the regulation of enriched exosomal microRNAs in human nasopharyngeal carcinoma. Oncotarget, 2014, 5, 5439-5452.	1.8	303
90	Enhanced TLR-induced NF-ÎºB signaling and type I interferon responses in NLRC5 deficient mice. Cell Research, 2012, 22, 822-835.	12.0	110

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91	NLRP4 negatively regulates type I interferon signaling by targeting the kinase TBK1 for degradation via the ubiquitin ligase DTX4. Nature Immunology, 2012, 13, 387-395.	14.5	229
92	NLRX1 Negatively Regulates TLR-Induced NF-ÎºB Signaling by Targeting TRAF6 and IKK. Immunity, 2011, 34, 843-853.	14.3	241
93	NLRC5 Negatively Regulates the NF-ÎºB and Type I Interferon Signaling Pathways. Cell, 2010, 141, 483-496.	28.9	365
94	Autophagy Activation Induces p62-Dependent Autophagic Degradation of Dengue Virus Capsid Protein During Infection. Frontiers in Microbiology, 0, 13, .	3.5	6