Jaewhan Song

List of Publications by Year
in descending order

109 papers	4,915 citations	81839 39 h-index	110317 64 g-index
111 all docs	111 docs citations	111 times ranked	7944 citing authors

#	Article	IF	Citations
1	Bag1â€“Hsp70 mediates a physiological stress signalling pathway that regulates Raf-1/ERK and cell growth. Nature Cell Biology, 2001, 3, 276-282.	4.6	264
2	Quantitative proteomic analyses reveal that GPX4 downregulation during myocardial infarction contributes to ferroptosis in cardiomyocytes. Cell Death and Disease, 2019, 10, 835.	2.7	203
3	Polyunsaturated fatty acid biosynthesis pathway determines ferroptosis sensitivity in gastric cancer. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 32433-32442.	3.3	200
4	BAG-1, a negative regulator of Hsp70 chaperone activity, uncouples nucleotide hydrolysis from substrate release. EMBO Journal, 1998, 17, 6871-6878.	3.5	170
5	Differential regulation of p53 and p21 by MKRN1 E3 ligase controls cell cycle arrest and apoptosis. EMBO Journal, 2009, 28, 2100-2113.	3.5	141
6	CHIP controls necroptosis through ubiquitylation- and lysosome-dependent degradation of RIPK3. Nature Cell Biology, 2016, 18, 291-302.	4.6	139
7	PI3K/AKT activation induces PTEN ubiquitination and destabilization accelerating tumourigenesis. Nature Communications, 2015, 6, 7769.	5.8	133
8	Bag1 Functions In Vivo as a Negative Regulator of Hsp70 Chaperone Activity. Molecular and Cellular Biology, 2000, 20, 1083-1088.	1.1	128
9	The Cellular Inhibitor of the PKR Protein Kinase, P58IPK, Is an Influenza Virus-activated Co-chaperone That Modulates Heat Shock Protein 70 Activity. Journal of Biological Chemistry, 1999, 274, 3797-3803.	1.6	114
10	The roles of FADD in extrinsic apoptosis and necroptosis. BMB Reports, 2012, 45, 496-508.	1.1	108
11	Necroptosis molecular mechanisms: Recent findings regarding novel necroptosis regulators. Experimental and Molecular Medicine, 2021, 53, 1007-1017.	3.2	98
12	Reversible inhibition of Hsp70 chaperone function by Scythe and Reaper. EMBO Journal, 2001, 20, 1033-1041.	3.5	96
13	West Nile virus capsid protein induces p53-mediated apoptosis via the sequestration of HDM2 to the nucleolus. Cellular Microbiology, 2007, 10, 070816152918002-???.	1.1	96
14	Ubiquitination and degradation of the FADD adaptor protein regulate death receptor-mediated apoptosis and necroptosis. Nature Communications, 2012, 3, 978.	5.8	94
15	Suppression of PPARÎ³ through MKRN1-mediated ubiquitination and degradation prevents adipocyte differentiation. Cell Death and Differentiation, 2014, 21, 594-603.	5.0	91
16	Magnetic iron oxide nanoparticles induce autophagy preceding apoptosis through mitochondrial damage and ER stress in RAW264.7 cells. Toxicology in Vitro, 2014, 28, 1402-1412.	1.1	89
17	Jab1 Induces the Cytoplasmic Localization and Degradation of p53 in Coordination with Hdm2. Journal of Biological Chemistry, 2006, 281, 17457-17465.	1.6	84
18	Activation of nuclear PTEN by inhibition of Notch signaling induces G2/M cell cycle arrest in gastric cancer. Oncogene, 2016, 35, 251-260.	2.6	82

#	Article	IF	Citations
19	ARS2/MAGL signaling in glioblastoma stem cells promotes self-renewal and M2-like polarization of tumor-associated macrophages. Nature Communications, 2020, 11, 2978.	5.8	78
20	Phosphoinositide 3-kinase inhibitors induce DNA damage through nucleoside depletion. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E4338-47.	3.3	76
21	Autophagy is required for PDAC glutamine metabolism. Scientific Reports, 2016, 6, 37594.	1.6	71
22	Sorafenib tosylate inhibits directly necrosome complex formation and protects in mouse models of inflammation and tissue injury. Cell Death and Disease, 2017, 8, e2904-e2904.	2.7	69
23	Extratelomeric Functions of Telomerase. Current Molecular Medicine, 2005, 5, 233-241.	0.6	68
24	Galectin-3 Activates PPARÎ³ and Supports White Adipose Tissue Formation and High-Fat Diet-Induced Obesity. Endocrinology, 2015, 156, 147-156.	1.4	68
25	Inhibition of Translation and Induction of Apoptosis by Bunyaviral Nonstructural Proteins Bearing Sequence Similarity to Reaper. Molecular Biology of the Cell, 2003, 14, 4162-4172.	0.9	67
26	Oncogene-induced senescence mediated by c-Myc requires USP10 dependent deubiquitination and stabilization of p14ARF. Cell Death and Differentiation, 2018, 25, 1050-1062.	5.0	65
27	Jab1 Mediates Cytoplasmic Localization and Degradation of West Nile Virus Capsid Protein. Journal of Biological Chemistry, 2006, 281, 30166-30174.	1.6	64
28	MafK positively regulates NF-Î°B activity by enhancing CBP-mediated p65 acetylation. Scientific Reports, 2013, 3, 3242.	1.6	64
29	USP11-dependent selective cIAP2 deubiquitylation and stabilization determine sensitivity to Smac mimetics. Cell Death and Differentiation, 2015, 22, 1463-1476.	5.0	59
30	Acceleration of Gastric Tumorigenesis Through MKRN1-Mediated Posttranslational Regulation of p14ARF. Journal of the National Cancer Institute, 2012, 104, 1660-1672.	3.0	55
31	Enhanced Glycolysis Supports Cell Survival in EGFR-Mutant Lung Adenocarcinoma by Inhibiting Autophagy-Mediated EGFR Degradation. Cancer Research, 2018, 78, 4482-4496.	0.4	53
32	The multifaceted factor peroxisome proliferator-activated receptor Î³ (PPARÎ³) in metabolism, immunity, and cancer. Archives of Pharmacal Research, 2015, 38, 302-312.	2.7	52
33	Loss of the E3 ubiquitin ligase MKRN1 represses diet-induced metabolic syndrome through AMPK activation. Nature Communications, 2018, 9, 3404.	5.8	50
34	Branched-chain amino acids sustain pancreatic cancer growth by regulating lipid metabolism. Experimental and Molecular Medicine, 2019, 51, 1-11.	3.2	50
35	Phosphorylation of TFCP2L1 by CDK1 is required for stem cell pluripotency and bladder carcinogenesis. EMBO Molecular Medicine, 2020, 12, e10880.	3.3	47
36	Aldehyde dehydrogenase inhibition combined with phenformin treatment reversed NSCLC through ATP depletion. Oncotarget, 2016, 7, 49397-49410.	0.8	47

#	Article	IF	Citations
37	The natural compound gracillin exerts potent antitumor activity by targeting mitochondrial complex II. Cell Death and Disease, 2019, 10, 810.	2.7	45
38	Anti-cancer effect of a quinoxaline derivative GK13 as a transglutaminase 2 inhibitor. Journal of Cancer Research and Clinical Oncology, 2013, 139, 1279-1294.	1.2	44
39	Targeting the WEE1 kinase as a molecular targeted therapy for gastric cancer. Oncotarget, 2016, 7, 49902-49916.	0.8	42
40	USP8 suppresses death receptor-mediated apoptosis by enhancing FLIPL stability. Oncogene, 2017, 36, 458-470.	2.6	42
41	P42 Ebp1 regulates the proteasomal degradation of the p85 regulatory subunit of PI3K by recruiting a chaperone-E3 ligase complex HSP70/CHIP. Cell Death and Disease, 2014, 5, e1131-e1131.	2.7	41
42	SWCNTs induced autophagic cell death in human bronchial epithelial cells. Toxicology in Vitro, 2014, 28, 442-450.	1.1	39
43	The Therapeutic Effects of Human Mesenchymal Stem Cells Primed with Sphingosine-1 Phosphate on Pulmonary Artery Hypertension. Stem Cells and Development, 2015, 24, 1658-1671.	1.1	39
44	Deubiquitylation and stabilization of Notch1 intracellular domain by ubiquitin-specific protease 8 enhance tumorigenesis in breast cancer. Cell Death and Differentiation, 2020, 27, 1341-1354.	5.0	39
45	Oleanolic acid regulates NF-Î²B signaling by suppressing MafK expression in RAW 264.7 cells. BMB Reports, 2014, 47, 524-529.	1.1	39
46	Delphinidin sensitizes prostate cancer cells to TRAIL-induced apoptosis, by inducing DR5 and causing caspase-mediated HDAC3 cleavage. Oncotarget, 2015, 6, 9970-9984.	0.8	38
47	Hsp70 functions as a negative regulator of West Nile virus capsid protein through direct interaction. Biochemical and Biophysical Research Communications, 2006, 347, 994-1000.	1.0	35
48	MKRN1 Induces Degradation of West Nile Virus Capsid Protein by Functioning as an E3 Ligase. Journal of Virology, 2010, 84, 426-436.	1.5	35
49	Stabilization of p21 (Cip1/WAF1) following Tip60-dependent acetylation is required for p21-mediated DNA damage response. Cell Death and Differentiation, 2013, 20, 620-629.	5.0	34
50	Dual targeting of glutaminase 1 and thymidylate synthase elicits death synergistically in NSCLC. Cell Death and Disease, 2016, 7, e2511-e2511.	2.7	33
51	Small-molecule inhibitors of USP7 induce apoptosis through oxidative and endoplasmic reticulum stress in cancer cells. Biochemical and Biophysical Research Communications, 2016, 470, 181-186.	1.0	33
52	Matrine suppresses <scp>KRAS</scp>â€driven pancreatic cancer growth by inhibiting autophagyâ€mediated energy metabolism. Molecular Oncology, 2018, 12, 1203-1215.	2.1	33
53	Ablation of galectin-3 induces p27KIP1-dependent premature senescence without oncogenic stress. Cell Death and Differentiation, 2014, 21, 1769-1779.	5.0	32
54	PML-IV functions as a negative regulator of telomerase by interacting with TERT. Journal of Cell Science, 2009, 122, 2613-2622.	1.2	31

#	Article	IF	Citations
55	Targeting Mitochondrial Oxidative Phosphorylation Abrogated Irinotecan Resistance in NSCLC. Scientific Reports, 2018, 8, 15707.	1.6	31
56	Quercetin sensitizes pancreatic cancer cells to TRAIL-induced apoptosis through JNK-mediated cFLIP turnover. International Journal of Biochemistry and Cell Biology, 2016, 78, 327-334.	1.2	30
57	The roles of ubiquitination in extrinsic cell death pathways and its implications for therapeutics. Biochemical Pharmacology, 2019, 162, 21-40.	2.0	30
58	Targeting Notch signaling by Î³-secretase inhibitor I enhances the cytotoxic effect of 5-FU in gastric cancer. Clinical and Experimental Metastasis, 2015, 32, 593-603.	1.7	29
59	Molecular Chaperone HSP90 Is Necessary to Prevent Cellular Senescence via Lysosomal Degradation of p14ARF. Cancer Research, 2017, 77, 343-354.	0.4	28
60	Hdm2 negatively regulates telomerase activity by functioning as an E3 ligase of hTERT. Oncogene, 2010, 29, 4101-4112.	2.6	27
61	Targeting Oxidative Phosphorylation Reverses Drug Resistance in Cancer Cells by Blocking Autophagy Recycling. Cells, 2020, 9, 2013.	1.8	27
62	K6 linked polyubiquitylation of FADD by CHIP prevents death inducing signaling complex formation suppressing cell death. Oncogene, 2018, 37, 4994-5006.	2.6	26
63	Dynamics of ARF regulation that control senescence and cancer. BMB Reports, 2016, 49, 598-606.	1.1	26
64	STAT3 silencing enhances the efficacy of the HSV.tk suicide gene in gastrointestinal cancer therapy. Clinical and Experimental Metastasis, 2012, 29, 359-369.	1.7	24
65	Ikaros negatively regulates inducible nitric oxide synthase expression in macrophages: Involvement of Ikaros phosphorylation by casein kinase 2. Cellular and Molecular Life Sciences, 2008, 65, 3290-3303.	2.4	23
66	Biocompatible and Biodegradable Neuromorphic Device Based on Hyaluronic Acid for Implantable Bioelectronics. Advanced Functional Materials, 2021, 31, 2107074.	7.8	23
67	Potent Anticancer Effect of the Natural Steroidal Saponin Gracillin Is Produced by Inhibiting Glycolysis and Oxidative Phosphorylation-Mediated Bioenergetics. Cancers, 2020, 12, 913.	1.7	22
68	Regulatory Network of ARF in Cancer Development. Molecules and Cells, 2018, 41, 381-389.	1.0	22
69	Jab1 as a mediator of nuclear export and cytoplasmic degradation of p53. Molecules and Cells, 2006, 22, 133-40.	1.0	22
70	Analysis of Molecular Chaperone Activities Using In Vitro and In Vivo Approaches. , 2000, 99, 393-419.		20
71	Ubiquitylation and degradation of adenomatous polyposis coli by MKRN1 enhances Wnt/Î²-catenin signaling. Oncogene, 2018, 37, 4273-4286.	2.6	20
72	Valproic acid enforces the priming effect of sphingosine-1 phosphate on human mesenchymal stem cells. International Journal of Molecular Medicine, 2017, 40, 739-747.	1.8	19

#	Article	IF	Citations
73	Beclin 1 functions as a negative modulator of MLKL oligomerisation by integrating into the necrosome complex. Cell Death and Differentiation, 2020, 27, 3065-3081.	5.0	19
74	Ei24-deficiency attenuates protein kinase CÎ± signaling and skin carcinogenesis in mice. International Journal of Biochemistry and Cell Biology, 2012, 44, 1887-1896.	1.2	18
75	Glutaminase 1 inhibition reduces thymidine synthesis in NSCLC. Biochemical and Biophysical Research Communications, 2016, 477, 374-382.	1.0	18
76	Gallic acid induces apoptosis in EGFR-mutant non-small cell lung cancers by accelerating EGFR turnover. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 4571-4575.	1.0	18
77	TFEB Supports Pancreatic Cancer Growth through the Transcriptional Regulation of Glutaminase. Cancers, 2021, 13, 483.	1.7	18
78	Identification of MYC as an antinecroptotic protein that stifles RIPK1â€“RIPK3 complex formation. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 19982-19993.	3.3	17
79	Transglutaminase 2-Mediated p53 Depletion Promotes Angiogenesis by Increasing HIF-1Î±-p300 Binding in Renal Cell Carcinoma. International Journal of Molecular Sciences, 2020, 21, 5042.	1.8	17
80	Role of INK4a locus in normal eye development and cataract genesis. Mechanisms of Ageing and Development, 2006, 127, 633-638.	2.2	16
81	Multifaceted C-terminus of HSP70-interacting protein regulates tumorigenesis via protein quality control. Archives of Pharmacal Research, 2019, 42, 63-75.	2.7	16
82	Cytoplasmic pro-apoptotic function of the tumor suppressor p73 is mediated through a modified mode of recognition of the anti-apoptotic regulator Bcl-XL. Journal of Biological Chemistry, 2018, 293, 19546-19558.	1.6	15
83	Ascorbic Acid 2-Glucoside Stably Promotes the Primitiveness of Embryonic and Mesenchymal Stem Cells Through Tenâ€“Eleven Translocation- and cAMP-Responsive Element-Binding Protein-1-Dependent Mechanisms. Antioxidants and Redox Signaling, 2020, 32, 35-59.	2.5	14
84	C-terminus of HSC70-Interacting Protein (CHIP) Inhibits Adipocyte Differentiation via Ubiquitin- and Proteasome-Mediated Degradation of PPARÎ³. Scientific Reports, 2017, 7, 40023.	1.6	13
85	Absence of Cytosolic 2-Cys Prx Subtypes I and II Exacerbates TNF-Î±-Induced Apoptosis via Different Routes. Cell Reports, 2019, 26, 2194-2211.e6.	2.9	12
86	Camptothecin and topotecan inhibit adipocyte differentiation by inducing degradation of PPARÎ³. Biochemical and Biophysical Research Communications, 2015, 463, 1122-1128.	1.0	11
87	Dual loss of USP10 and p14ARF protein expression is associated with poor prognosis in patients with small intestinal adenocarcinoma. Tumor Biology, 2018, 40, 101042831880867.	0.8	10
88	Post-Translational Regulation of ARF: Perspective in Cancer. Biomolecules, 2020, 10, 1143.	1.8	10
89	Deubiquitinases: Modulators of Different Types of Regulated Cell Death. International Journal of Molecular Sciences, 2021, 22, 4352.	1.8	10
90	Functional Genomics Approach Using Mice. BMB Reports, 2004, 37, 122-132.	1.1	10

#	Article	IF	Citations
91	New role of E3 ubiquitin ligase in the regulation of necroptosis. BMB Reports, 2016, 49, 247-248.	1.1	10
92	Glatiramer acetate attenuates the activation of CD4+ T cells by modulating STAT1 and â^'3 signaling in glia. Scientific Reports, 2017, 7, 40484.	1.6	9
93	Cooperative interaction of Hsp40 and TPR1 with Hsp70 reverses Hsp70-HspBp1 complex formation. Molecules and Cells, 2003, 16, 84-91.	1.0	9
94	Role of Drosophila EDEMs in the degradation of the alpha-1-antitrypsin Z variant. International Journal of Molecular Medicine, 2015, 35, 870-876.	1.8	8
95	Targeting epithelial-mesenchymal transition pathway in hepatocellular carcinoma. Clinical and Molecular Hepatology, 2020, 26, 484-486.	4.5	8
96	Human Plasmablast Migration Toward CXCL12 Requires Glucose Oxidation by Enhanced Pyruvate Dehydrogenase Activity via AKT. Frontiers in Immunology, 2018, 9, 1742.	2.2	7
97	Mitochondrial dysfunction induced by callyspongiolide promotes autophagy-dependent cell death. BMB Reports, 2021, 54, 227-232.	1.1	7
98	Differentiation of West Nile Virus-Infected Animals from Vaccinated Animals by Competitive ELISA Using Monoclonal Antibodies Against Non-Structural Protein 1. Vector-Borne and Zoonotic Diseases, 2012, 12, 380-387.	0.6	6
99	USP11: A key regulator of cIAP2 stability and sensitivity to SMAC mimetics. Molecular and Cellular Oncology, 2016, 3, e1029829.	0.3	6
100	Overall survival of pancreatic ductal adenocarcinoma is doubled by Aldh7a1 deletion in the KPC mouse. Theranostics, 2021, 11, 3472-3488.	4.6	6
101	Attenuating MKRN1 E3 ligase-mediated AMPKÎ± suppression increases tolerance against metabolic stresses in mice. Cell Stress, 2018, 2, 325-328.	1.4	5
102	BIX01294 inhibits EGFR signaling in EGFR-mutant lung adenocarcinoma cells through a BCKDHA-mediated reduction in the EGFR level. Experimental and Molecular Medicine, 2021, 53, 1877-1887.	3.2	5
103	Hematopoietic malignancies associated with increased Stat5 and Bcl-xL expressions in Ink4a/Arf-deficient mice. Mechanisms of Ageing and Development, 2005, 126, 732-739.	2.2	4
104	Cytoplasmic MYC is an anti-necroptotic protein. Molecular and Cellular Oncology, 2020, 7, 1817697.	0.3	2
105	Migrating Cells Dispose of Damaged Mitochondria into the Surrounding Environment. Molecules and Cells, 2021, 44, 781-783.	1.0	2
106	DIX domain containing 1 (DIXDC1) modulates VEGFR2 level in vasculatures to regulate embryonic and postnatal retina angiogenesis. BMC Biology, 2022, 20, 41.	1.7	2
107	Jab1 has negative effects on p53-mediated genotoxic stresses. BMB Reports, 2009, 42, 299-303.	1.1	1
108	Generation of reversible Rb-knockdown mice. Mechanisms of Ageing and Development, 2005, 126, 1164-1169.	2.2	0

#	Article	IF	Citations
109	West Nile Virus Capsid induced-apoptosis is nitric oxide mediated and p53 dependent via mitochondrial pathways in human neuroblastoma cells. Journal of Neuropathology and Experimental Neurology, 2007, 66, 456.	0.9	0