

Eui-Ju Choi

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105
papers

11,097
citations

42
h-index

105
g-index

138
ext. papers

12,358
ext. citations

6.8
avg. IF

6.01
L-index

#	Paper	IF	Citations
105	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016 , 12, 1-222	10.2	3838
104	Pathological roles of MAPK signaling pathways in human diseases. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2010 , 1802, 396-405	6.9	1455
103	Compromised MAPK signaling in human diseases: an update. <i>Archives of Toxicology</i> , 2015 , 89, 867-82	5.8	527
102	Glutathione S-transferase mu modulates the stress-activated signals by suppressing apoptosis signal-regulating kinase 1. <i>Journal of Biological Chemistry</i> , 2001 , 276, 12749-55	5.4	303
101	The tumour suppressor RASSF1A regulates mitosis by inhibiting the APC-Cdc20 complex. <i>Nature Cell Biology</i> , 2004 , 6, 129-37	23.4	259
100	A non-enzymatic p21 protein inhibitor of stress-activated protein kinases. <i>Nature</i> , 1996 , 381, 804-6	50.4	237
99	Type I calmodulin-sensitive adenylyl cyclase is neural specific. <i>Journal of Neurochemistry</i> , 1993 , 60, 305-16		224
98	Two distinct mechanisms are involved in 6-hydroxydopamine- and MPP+-induced dopaminergic neuronal cell death: role of caspases, ROS, and JNK. <i>Journal of Neuroscience Research</i> , 1999 , 57, 86-94	4.4	207
97	Activation of PI3K/Akt pathway by PTEN reduction and PIK3CA mRNA amplification contributes to cisplatin resistance in an ovarian cancer cell line. <i>Gynecologic Oncology</i> , 2005 , 97, 26-34	4.9	193
96	The type III calcium/calmodulin-sensitive adenylyl cyclase is not specific to olfactory sensory neurons. <i>Neuroscience Letters</i> , 1992 , 144, 169-73	3.3	168
95	Phosphorylation of p38 MAPK induced by oxidative stress is linked to activation of both caspase-8- and -9-mediated apoptotic pathways in dopaminergic neurons. <i>Journal of Biological Chemistry</i> , 2004 , 279, 20451-60	5.4	167
94	SWI/SNF complex interacts with tumor suppressor p53 and is necessary for the activation of p53-mediated transcription. <i>Journal of Biological Chemistry</i> , 2002 , 277, 22330-7	5.4	163
93	Glutamine-dependent antiapoptotic interaction of human glutaminyl-tRNA synthetase with apoptosis signal-regulating kinase 1. <i>Journal of Biological Chemistry</i> , 2001 , 276, 6030-6	5.4	152
92	Heat shock protein hsp72 is a negative regulator of apoptosis signal-regulating kinase 1. <i>Molecular and Cellular Biology</i> , 2002 , 22, 7721-30	4.8	145
91	Apoptotic signaling pathways: caspases and stress-activated protein kinases. <i>BMB Reports</i> , 2002 , 35, 24-7	5.5	134
90	Akt (protein kinase B) negatively regulates SEK1 by means of protein phosphorylation. <i>Journal of Biological Chemistry</i> , 2002 , 277, 2573-8	5.4	110
89	Irreversible inactivation of glutathione peroxidase 1 and reversible inactivation of peroxiredoxin II by H ₂ O ₂ in red blood cells. <i>Antioxidants and Redox Signaling</i> , 2010 , 12, 1235-46	8.4	105

88	Selenite inhibits the c-Jun N-terminal kinase/stress-activated protein kinase (JNK/SAPK) through a thiol redox mechanism. <i>Journal of Biological Chemistry</i> , 2000 , 275, 2527-31	5.4	97
87	Activation of c-Jun N-terminal kinase antagonizes an anti-apoptotic action of Bcl-2. <i>Journal of Biological Chemistry</i> , 1997 , 272, 16725-8	5.4	96
86	The regulatory diversity of the mammalian adenylyl cyclases. <i>Current Opinion in Cell Biology</i> , 1993 , 5, 269-73	9	95
85	Apoptosis signal-regulating kinase 1 controls the proapoptotic function of death-associated protein (Daxx) in the cytoplasm. <i>Journal of Biological Chemistry</i> , 2001 , 276, 39103-6	5.4	91
84	Ca ²⁺ -mediated activation of c-Jun N-terminal kinase and nuclear factor kappa B by NMDA in cortical cell cultures. <i>Journal of Neurochemistry</i> , 1998 , 71, 1390-5	6	88
83	Inhibition of apoptosis signal-regulating kinase 1 by nitric oxide through a thiol redox mechanism. <i>Journal of Biological Chemistry</i> , 2004 , 279, 7584-90	5.4	87
82	Activation of death-inducing signaling complex (DISC) by pro-apoptotic C-terminal fragment of RIP. <i>Oncogene</i> , 2000 , 19, 4491-9	9.2	81
81	MST1 functions as a key modulator of neurodegeneration in a mouse model of ALS. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 12066-71	11.5	72
80	Dcp2 phosphorylation by Ste20 modulates stress granule assembly and mRNA decay in <i>Saccharomyces cerevisiae</i> . <i>Journal of Cell Biology</i> , 2010 , 189, 813-27	7.3	71
79	Glycogen synthase kinase 3 beta is a natural activator of mitogen-activated protein kinase/extracellular signal-regulated kinase kinase kinase 1 (MEKK1). <i>Journal of Biological Chemistry</i> , 2003 , 278, 13995-4001	5.4	68
78	CIB1 functions as a Ca(2+)-sensitive modulator of stress-induced signaling by targeting ASK1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 17389-94	11.5	60
77	Notch interferes with the scaffold function of JNK-interacting protein 1 to inhibit the JNK signaling pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 14308-13	11.5	59
76	Role of autophagy in the pathogenesis of amyotrophic lateral sclerosis. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2015 , 1852, 2517-24	6.9	58
75	Selenite negatively regulates caspase-3 through a redox mechanism. <i>Journal of Biological Chemistry</i> , 2000 , 275, 8487-91	5.4	56
74	H ₂ O ₂ -induced AP-1 activation and its effect on p21(WAF1/CIP1)-mediated G2/M arrest in a p53-deficient human lung cancer cell. <i>Biochemical and Biophysical Research Communications</i> , 2002 , 293, 1248-53	3.4	54
73	Serum- and glucocorticoid-inducible kinase 1 (SGK1) controls Notch1 signaling by downregulation of protein stability through Fbw7 ubiquitin ligase. <i>Journal of Cell Science</i> , 2011 , 124, 100-12	5.3	53
72	p57KIP2 modulates stress-activated signaling by inhibiting c-Jun NH2-terminal kinase/stress-activated protein Kinase. <i>Journal of Biological Chemistry</i> , 2003 , 278, 48092-8	5.4	53
71	Zn(2+) induces stimulation of the c-Jun N-terminal kinase signaling pathway through phosphoinositide 3-Kinase. <i>Molecular Pharmacology</i> , 2001 , 59, 981-6	4.3	50

70	T-type channels control the opioidergic descending analgesia at the low threshold-spiking GABAergic neurons in the periaqueductal gray. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 14857-62	11.5	49
69	Insights into autophagosome maturation revealed by the structures of ATG5 with its interacting partners. <i>Autophagy</i> , 2015 , 11, 75-87	10.2	47
68	MST1 limits the kinase activity of aurora B to promote stable kinetochore-microtubule attachment. <i>Current Biology</i> , 2010 , 20, 416-22	6.3	45
67	SUMO1 modulates Aβ generation via BACE1 accumulation. <i>Neurobiology of Aging</i> , 2013 , 34, 650-62	5.6	43
66	Integrin-linked kinase controls Notch1 signaling by down-regulation of protein stability through Fbw7 ubiquitin ligase. <i>Molecular and Cellular Biology</i> , 2007 , 27, 5565-74	4.8	43
65	Negative regulation of MEKK1-induced signaling by glutathione S-transferase Mu. <i>Journal of Biological Chemistry</i> , 2004 , 279, 43589-94	5.4	43
64	Structural and functional dissection of human cytomegalovirus US3 in binding major histocompatibility complex class I molecules. <i>Journal of Virology</i> , 2000 , 74, 11262-9	6.6	43
63	Kaposi's sarcoma-associated herpesvirus open reading frame 50 represses p53-induced transcriptional activity and apoptosis. <i>Journal of Virology</i> , 2001 , 75, 6245-8	6.6	41
62	Proteomic approach reveals FKBP4 and S100A9 as potential prediction markers of therapeutic response to neoadjuvant chemotherapy in patients with breast cancer. <i>Journal of Proteome Research</i> , 2012 , 11, 1078-88	5.6	40
61	Molecular cloning of multiple splicing variants of JIP-1 preferentially expressed in brain. <i>Journal of Neurochemistry</i> , 1999 , 72, 1335-43	6	39
60	Daxx mediates activation-induced cell death in microglia by triggering MST1 signalling. <i>EMBO Journal</i> , 2011 , 30, 2465-76	13	38
59	Novel candidate targets of Wnt/beta-catenin signaling in hepatoma cells. <i>Life Sciences</i> , 2007 , 80, 690-8	6.8	38
58	Downregulation of SIRT1 signaling underlies hepatic autophagy impairment in glycogen storage disease type Ia. <i>PLoS Genetics</i> , 2017 , 13, e1006819	6	38
57	Identification of a novel antiapoptotic protein that antagonizes ASK1 and CAD activities. <i>Journal of Cell Biology</i> , 2003 , 163, 71-81	7.3	37
56	Rebound burst firing in the reticular thalamus is not essential for pharmacological absence seizures in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 11828-33	11.5	36
55	Thioredoxin-1 functions as a molecular switch regulating the oxidative stress-induced activation of MST1. <i>Free Radical Biology and Medicine</i> , 2012 , 53, 2335-43	7.8	32
54	Downregulation by lipopolysaccharide of Notch signaling, via nitric oxide. <i>Journal of Cell Science</i> , 2008 , 121, 1466-76	5.3	31
53	Negative regulation of SEK1 signaling by serum- and glucocorticoid-inducible protein kinase 1. <i>EMBO Journal</i> , 2007 , 26, 3075-85	13	31

52	Role of receptor-interacting protein in tumor necrosis factor-alpha -dependent MEKK1 activation. <i>Journal of Biological Chemistry</i> , 2001 , 276, 27064-70	5.4	30
51	The 1:2 complex between RavZ and LC3 reveals a mechanism for deconjugation of LC3 on the phagophore membrane. <i>Autophagy</i> , 2017 , 13, 70-81	10.2	29
50	Rb protein down-regulates the stress-activated signals through inhibiting c-Jun N-terminal kinase/stress-activated protein kinase. <i>Journal of Biological Chemistry</i> , 2000 , 275, 14107-11	5.4	29
49	The role of reciprocal activation of cAbl and Mst1 in the oxidative death of cultured astrocytes. <i>Glia</i> , 2014 , 62, 639-48	9	27
48	Negative regulation of the SAPK/JNK signaling pathway by presenilin 1. <i>Journal of Cell Biology</i> , 2001 , 153, 457-63	7.3	27
47	Nitric oxide inhibits an interaction between JNK1 and c-Jun through nitrosylation. <i>Biochemical and Biophysical Research Communications</i> , 2006 , 351, 281-6	3.4	25
46	Iron accumulation promotes TACE-mediated TNF- β secretion and neurodegeneration in a mouse model of ALS. <i>Neurobiology of Disease</i> , 2015 , 80, 63-9	7.5	24
45	GSK-3 β induced ASK1 stabilization is crucial in LPS-induced endotoxin shock. <i>Experimental Cell Research</i> , 2011 , 317, 1663-8	4.2	24
44	Presenilin acts as a positive regulator of basal level activity of ERK through the Raf-MEK1 signaling pathway. <i>Biochemical and Biophysical Research Communications</i> , 2005 , 332, 609-13	3.4	23
43	SUMO-1 represses apoptosis signal-regulating kinase 1 activation through physical interaction and not through covalent modification. <i>EMBO Reports</i> , 2005 , 6, 949-55	6.5	23
42	STMN2 is a novel target of beta-catenin/TCF-mediated transcription in human hepatoma cells. <i>Biochemical and Biophysical Research Communications</i> , 2006 , 345, 1059-67	3.4	22
41	Correlation between structure of Bcl-2 and its inhibitory function of JNK and caspase activity in dopaminergic neuronal apoptosis. <i>Journal of Neurochemistry</i> , 2000 , 74, 1621-6	6	21
40	A truncated form of p23 down-regulates telomerase activity via disruption of Hsp90 function. <i>Journal of Biological Chemistry</i> , 2009 , 284, 30871-80	5.4	19
39	eIF4E phosphorylation by MST1 reduces translation of a subset of mRNAs, but increases lncRNA translation. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2017 , 1860, 761-772	6	18
38	MST1 Negatively Regulates TNF β Induced NF- κ B Signaling through Modulating LUBAC Activity. <i>Molecular Cell</i> , 2019 , 73, 1138-1149.e6	17.6	18
37	Intrathecal RGS4 inhibitor, CCG50014, reduces nociceptive responses and enhances opioid-mediated analgesic effects in the mouse formalin test. <i>Anesthesia and Analgesia</i> , 2015 , 120, 671-677	3.9	18
36	Quantitative structural-activity relationship (QSAR) study for fungicidal activities of thiazoline derivatives against rice blast. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008 , 18, 2133-42	2.9	18
35	Zinc-induced downregulation of Notch signaling is associated with cytoplasmic retention of Notch1-IC and RBP-J κ via PI3k-Akt signaling pathway. <i>Cancer Letters</i> , 2007 , 255, 117-26	9.9	18

34	The Na(+)/H(+) exchanger regulatory factor 2 mediates phosphorylation of serum- and glucocorticoid-induced protein kinase 1 by 3-phosphoinositide-dependent protein kinase 1. <i>Biochemical and Biophysical Research Communications</i> , 2002 , 298, 207-15	3.4	18
33	Role of phospholipase C-gamma1 in insulin-like growth factor I-induced muscle differentiation of H9c2 cardiac myoblasts. <i>Biochemical and Biophysical Research Communications</i> , 2001 , 282, 816-22	3.4	18
32	A novel conformation of the LC3-interacting region motif revealed by the structure of a complex between LC3B and RavZ. <i>Biochemical and Biophysical Research Communications</i> , 2017 , 490, 1093-1099	3.4	17
31	Yin-and-yang bifurcation of opioidergic circuits for descending analgesia at the midbrain of the mouse. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 11078-11083	11.5	17
30	Do the calmodulin-stimulated adenylyl cyclases play a role in neuroplasticity?. <i>Behavioral and Brain Sciences</i> , 1995 , 18, 429	0.9	16
29	Role of cytosolic phospholipase A(2) as a downstream mediator of Rac in the signaling pathway to JNK stimulation. <i>Biochemical and Biophysical Research Communications</i> , 2000 , 268, 231-6	3.4	15
28	Hepatitis C virus core inhibits the Fas-mediated p38 mitogen activated kinase signaling pathway in hepatocytes. <i>Molecules and Cells</i> , 2002 , 13, 452-62	3.5	14
27	TRAF2 functions as an activator switch in the reactive oxygen species-induced stimulation of MST1. <i>Free Radical Biology and Medicine</i> , 2016 , 91, 105-13	7.8	13
26	Amyotrophic lateral sclerosis-related mutant superoxide dismutase 1 aggregates inhibit 14-3-3-mediated cell survival by sequestration into the JUNQ compartment. <i>Human Molecular Genetics</i> , 2017 , 26, 3615-3629	5.6	13
25	Ataxin-1 is involved in tumorigenesis of cervical cancer cells via the EGFR-RAS-MAPK signaling pathway. <i>Oncotarget</i> , 2017 , 8, 94606-94618	3.3	13
24	Two distinct mechanisms are involved in 6-hydroxydopamine- and MPP+-induced dopaminergic neuronal cell death: Role of caspases, ROS, and JNK 1999 , 57, 86		13
23	SMN1 functions as a novel inhibitor for TRAF6-mediated NF-B signaling. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2017 , 1864, 760-770	4.9	12
22	CEP41-mediated ciliary tubulin glutamylation drives angiogenesis through AURKA-dependent deciliation. <i>EMBO Reports</i> , 2020 , 21, e48290	6.5	12
21	ClIA functions as a molecular switch for the Rac1-specific GEF activity of SOS1. <i>Journal of Cell Biology</i> , 2011 , 195, 377-86	7.3	12
20	Phosphorylation of nicastrin by SGK1 leads to its degradation through lysosomal and proteasomal pathways. <i>PLoS ONE</i> , 2012 , 7, e37111	3.7	11
19	Stabilization of the survival motor neuron protein by ASK1. <i>FEBS Letters</i> , 2011 , 585, 1287-92	3.8	10
18	Neuronal nitric oxide synthase (nNOS) modulates the JNK1 activity through redox mechanism: a cGMP independent pathway. <i>Biochemical and Biophysical Research Communications</i> , 2006 , 346, 408-14	3.4	9
17	CIB1 protects against MPTP-induced neurotoxicity through inhibiting ASK1. <i>Scientific Reports</i> , 2017 , 7, 12178	4.9	8

16	BAT3 negatively regulates lipopolysaccharide-induced NF- κ B signaling through TRAF6. <i>Biochemical and Biophysical Research Communications</i> , 2016 , 478, 784-90	3.4	7
15	Knockdown of apoptosis signal-regulating kinase 1 modulates basal glycogen synthase kinase-3 β kinase activity and regulates cell migration. <i>FEBS Letters</i> , 2010 , 584, 4097-101	3.8	7
14	PRMT1 negatively regulates activation-induced cell death in macrophages by arginine methylation of GAPDH. <i>Experimental Cell Research</i> , 2018 , 368, 50-58	4.2	6
13	CIIA negatively regulates the Ras-Erk1/2 signaling pathway through inhibiting the Ras-specific GEF activity of SOS1. <i>Journal of Cell Science</i> , 2014 , 127, 1640-6	5.3	6
12	Pre/post-natal exposure to microplastic as a potential risk factor for autism spectrum disorder.. <i>Environment International</i> , 2022 , 161, 107121	12.9	6
11	CIIA is a novel regulator of detachment-induced cell death. <i>Cancer Research</i> , 2010 , 70, 6352-8	10.1	4
10	Mst1-Deficiency Induces Hyperactivation of Monocyte-Derived Dendritic Cells via Akt1/c-myc Pathway. <i>Frontiers in Immunology</i> , 2019 , 10, 2142	8.4	3
9	S-nitrosylated GAPDH mediates neuronal apoptosis induced by amyotrophic lateral sclerosis-associated mutant SOD1G93A. <i>Animal Cells and Systems</i> , 2016 , 20, 310-316	2.3	3
8	TRAF6-mediated ubiquitination of MST1/STK4 attenuates the TLR4-NF- κ B signaling pathway in macrophages. <i>Cellular and Molecular Life Sciences</i> , 2021 , 78, 2315-2328	10.3	3
7	CIIA negatively regulates neuronal cell death induced by oxygen-glucose deprivation and reoxygenation. <i>Molecular and Cellular Biochemistry</i> , 2014 , 397, 139-46	4.2	2
6	SB203580 induces prolonged B-Raf activation and promotes neuronal differentiation upon EGF treatment of PC12 cells. <i>Biochemistry (Moscow)</i> , 2004 , 69, 799-805	2.9	2
5	UXT chaperone prevents proteotoxicity by acting as an autophagy adaptor for p62-dependent aggrephagy. <i>Nature Communications</i> , 2021 , 12, 1955	17.4	2
4	RC3/neurogranin negatively regulates extracellular signal-regulated kinase pathway through its interaction with Ras. <i>Molecular and Cellular Biochemistry</i> , 2015 , 402, 33-40	4.2	1
3	Two distinct mechanisms are involved in 6-hydroxydopamine- and MPP+-induced dopaminergic neuronal cell death: Role of caspases, ROS, and JNK 1999 , 57, 86		1
2	Enhanced ASGR2 by microplastic exposure leads to resistance to therapy in gastric cancer.. <i>Theranostics</i> , 2022 , 12, 3217-3236	12.1	0
1	MST1 mediates the N-methyl-D-aspartate-induced excitotoxicity in mouse cortical neurons.. <i>Cellular and Molecular Life Sciences</i> , 2021 , 79, 15	10.3	0