

Eui-Ju Choi

List of Publications by Year in descending order

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105
papers

13,444
citations

57758

44
h-index

29157

104
g-index

138
all docs

138
docs citations

138
times ranked

25153
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	9.1	4,701
2	Pathological roles of MAPK signaling pathways in human diseases. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2010, 1802, 396-405.	3.8	1,876
3	Compromised MAPK signaling in human diseases: an update. <i>Archives of Toxicology</i> , 2015, 89, 867-882.	4.2	782
4	Glutathione S-Transferase Mu Modulates the Stress-activated Signals by Suppressing Apoptosis Signal-regulating Kinase 1. <i>Journal of Biological Chemistry</i> , 2001, 276, 12749-12755.	3.4	357
5	The tumour suppressor RASSF1A regulates mitosis by inhibiting the APC/Cdc20 complex. <i>Nature Cell Biology</i> , 2004, 6, 129-137.	10.3	287
6	A non-enzymatic p21 protein inhibitor of stress-activated protein kinases. <i>Nature</i> , 1996, 381, 804-807.	27.8	245
7	Type I Calmodulin-Sensitive Adenylyl Cyclase Is Neural Specific. <i>Journal of Neurochemistry</i> , 1993, 60, 305-311.	3.9	232
8	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.	2.9	225
9	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.	1.4	214
10	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, 22330-22337.	3.4	190
11	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, 20451-20460.	3.4	189
12	Glutamine-dependent Antiapoptotic Interaction of Human Glutamyl-tRNA Synthetase with Apoptosis Signal-regulating Kinase 1. <i>Journal of Biological Chemistry</i> , 2001, 276, 6030-6036.	3.4	174
13	The type III calcium/calmodulin-sensitive adenylyl cyclase is not specific to olfactory sensory neurons. <i>Neuroscience Letters</i> , 1992, 144, 169-173.	2.1	173
14	Heat Shock Protein Hsp72 Is a Negative Regulator of Apoptosis Signal-Regulating Kinase 1. <i>Molecular and Cellular Biology</i> , 2002, 22, 7721-7730.	2.3	154
15	Apoptotic Signaling Pathways: Caspases and Stress-Activated Protein Kinases. <i>BMB Reports</i> , 2002, 35, 24-27.	2.4	149
16	Akt (Protein Kinase B) Negatively Regulates SEK1 by Means of Protein Phosphorylation. <i>Journal of Biological Chemistry</i> , 2002, 277, 2573-2578.	3.4	129
17	The regulatory diversity of the mammalian adenylyl cyclases. <i>Current Opinion in Cell Biology</i> , 1993, 5, 269-273.	5.4	118
18	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, 1235-1246.	5.4	117

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19	Activation of c-Jun N-terminal Kinase Antagonizes an Anti-apoptotic Action of Bcl-2. <i>Journal of Biological Chemistry</i> , 1997, 272, 16725-16728.	3.4	109
20	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, 2527-2531.	3.4	105
21	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, 39103-39106.	3.4	101
22	Inhibition of Apoptosis Signal-regulating Kinase 1 by Nitric Oxide through a Thiol Redox Mechanism. <i>Journal of Biological Chemistry</i> , 2004, 279, 7584-7590.	3.4	98
23	Ca ²⁺ -Mediated Activation of c-Jun N-terminal Kinase and Nuclear Factor κ B by NMDA in Cortical Cell Cultures. <i>Journal of Neurochemistry</i> , 1998, 71, 1390-1395.	3.9	96
24	Activation of death-inducing signaling complex (DISC) by pro-apoptotic C-terminal fragment of RIP. <i>Oncogene</i> , 2000, 19, 4491-4499.	5.9	89
25	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, 12066-12071.	7.1	84
26	Dcp2 phosphorylation by Ste20 modulates stress granule assembly and mRNA decay in <i>Saccharomyces cerevisiae</i> . <i>Journal of Cell Biology</i> , 2010, 189, 813-827.	5.2	83
27	Glycogen Synthase Kinase β 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, 13995-14001.	3.4	80
28	Role of autophagy in the pathogenesis of amyotrophic lateral sclerosis. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2015, 1852, 2517-2524.	3.8	70
29	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, 17389-17394.	7.1	65
30	Selenite Negatively Regulates Caspase-3 through a Redox Mechanism. <i>Journal of Biological Chemistry</i> , 2000, 275, 8487-8491.	3.4	63
31	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, 14308-14313.	7.1	62
32	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, 14857-14862.	7.1	62
33	H ₂ O ₂ -induced AP-1 activation and its effect on p21WAF1/CIP1-mediated G2/M arrest in a p53-deficient human lung cancer cell. <i>Biochemical and Biophysical Research Communications</i> , 2002, 293, 1248-1253.	2.1	59
34	p57KIP2 Modulates Stress-activated Signaling by Inhibiting c-Jun NH ₂ -terminal Kinase/Stress-activated Protein Kinase. <i>Journal of Biological Chemistry</i> , 2003, 278, 48092-48098.	3.4	59
35	Insights into autophagosome maturation revealed by the structures of ATG5 with its interacting partners. <i>Autophagy</i> , 2015, 11, 75-87.	9.1	59
36	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, 100-112.	2.0	58

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37	Integrin-Linked Kinase Controls Notch1 Signaling by Down-Regulation of Protein Stability through Fbw7 Ubiquitin Ligase. <i>Molecular and Cellular Biology</i> , 2007, 27, 5565-5574.	2.3	56
38	Zn ²⁺ Induces Stimulation of the c-Jun N-Terminal Kinase Signaling Pathway through Phosphoinositide 3-Kinase. <i>Molecular Pharmacology</i> , 2001, 59, 981-986.	2.3	55
39	Downregulation of SIRT1 signaling underlies hepatic autophagy impairment in glycogen storage disease type Ia. <i>PLoS Genetics</i> , 2017, 13, e1006819.	3.5	53
40	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, 1078-1088.	3.7	51
41	MST1 Limits the Kinase Activity of Aurora B to Promote Stable Kinetochores-Microtubule Attachment. <i>Current Biology</i> , 2010, 20, 416-422.	3.9	48
42	SUMO1 modulates A β generation via BACE1 accumulation. <i>Neurobiology of Aging</i> , 2013, 34, 650-662.	3.1	48
43	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, 11828-11833.	7.1	48
44	Negative Regulation of MEKK1-induced Signaling by Glutathione S-Transferase Mu. <i>Journal of Biological Chemistry</i> , 2004, 279, 43589-43594.	3.4	47
45	Novel candidate targets of Wnt/ β -catenin signaling in hepatoma cells. <i>Life Sciences</i> , 2007, 80, 690-698.	4.3	46
46	Structural and Functional Dissection of Human Cytomegalovirus US3 in Binding Major Histocompatibility Complex Class I Molecules. <i>Journal of Virology</i> , 2000, 74, 11262-11269.	3.4	45
47	Kaposi's Sarcoma-Associated Herpesvirus Open Reading Frame 50 Represses p53-Induced Transcriptional Activity and Apoptosis. <i>Journal of Virology</i> , 2001, 75, 6245-6248.	3.4	45
48	Daxx mediates activation-induced cell death in microglia by triggering MST1 signalling. <i>EMBO Journal</i> , 2011, 30, 2465-2476.	7.8	44
49	Molecular Cloning of Multiple Splicing Variants of JIP-1 Preferentially Expressed in Brain. <i>Journal of Neurochemistry</i> , 2001, 72, 1335-1343.	3.9	43
50	Identification of a novel antiapoptotic protein that antagonizes ASK1 and CAD activities. <i>Journal of Cell Biology</i> , 2003, 163, 71-81.	5.2	39
51	MST1 Negatively Regulates TNF α -Induced NF- κ B Signaling through Modulating LUBAC Activity. <i>Molecular Cell</i> , 2019, 73, 1138-1149.e6.	9.7	39
52	Thioredoxin-1 functions as a molecular switch regulating the oxidative stress-induced activation of MST1. <i>Free Radical Biology and Medicine</i> , 2012, 53, 2335-2343.	2.9	38
53	The role of reciprocal activation of cAbl and Mst1 in the Oxidative death of cultured astrocytes. <i>Glia</i> , 2014, 62, 639-648.	4.9	38
54	Pre/post-natal exposure to microplastic as a potential risk factor for autism spectrum disorder. <i>Environment International</i> , 2022, 161, 107121.	10.0	38

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55	GSK-3 β -induced ASK1 stabilization is crucial in LPS-induced endotoxin shock. <i>Experimental Cell Research</i> , 2011, 317, 1663-1668.	2.6	37
56	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.	9.1	37
57	Downregulation by lipopolysaccharide of Notch signaling, via nitric oxide. <i>Journal of Cell Science</i> , 2008, 121, 1466-1476.	2.0	35
58	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, 14107-14111.	3.4	32
59	Negative regulation of SEK1 signaling by serum- and glucocorticoid-inducible protein kinase 1. <i>EMBO Journal</i> , 2007, 26, 3075-3085.	7.8	32
60	Iron accumulation promotes TACE-mediated TNF- α secretion and neurodegeneration in a mouse model of ALS. <i>Neurobiology of Disease</i> , 2015, 80, 63-69.	4.4	32
61	Role of Receptor-interacting Protein in Tumor Necrosis Factor- α -dependent MEK1 Activation. <i>Journal of Biological Chemistry</i> , 2001, 276, 27064-27070.	3.4	30
62	Negative Regulation of the Sapk/Jnk Signaling Pathway by Presenilin 1. <i>Journal of Cell Biology</i> , 2001, 153, 457-464.	5.2	28
63	Nitric oxide inhibits an interaction between JNK1 and c-Jun through nitrosylation. <i>Biochemical and Biophysical Research Communications</i> , 2006, 351, 281-286.	2.1	28
64	SUMO1 represses apoptosis signal-regulating kinase 1 activation through physical interaction and not through covalent modification. <i>EMBO Reports</i> , 2005, 6, 949-955.	4.5	27
65	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.	1.9	27
66	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.	7.1	27
67	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.	2.1	26
68	Correlation Between Structure of Bcl-2 and Its Inhibitory Function of JNK and Caspase Activity in Dopaminergic Neuronal Apoptosis. <i>Journal of Neurochemistry</i> , 2002, 74, 1621-1626.	3.9	25
69	STMN2 is a novel target of β -catenin/TCF-mediated transcription in human hepatoma cells. <i>Biochemical and Biophysical Research Communications</i> , 2006, 345, 1059-1067.	2.1	25
70	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.	2.2	25
71	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, 609-613.	2.1	24
72	A Truncated Form of p23 Down-regulates Telomerase Activity via Disruption of Hsp90 Function. <i>Journal of Biological Chemistry</i> , 2009, 284, 30871-30880.	3.4	24

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73	TRAF2 functions as an activator switch in the reactive oxygen species-induced stimulation of MST1. <i>Free Radical Biology and Medicine</i> , 2016, 91, 105-113.	2.9	24
74	<scp>CEP</scp>41-mediated ciliary tubulin glutamylation drives angiogenesis through <scp>AURKA</scp>-dependent deciliation. <i>EMBO Reports</i> , 2020, 21, e48290.	4.5	23
75	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, 207-215.	2.1	21
76	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, 117-126.	7.2	20
77	Quantitative structural-activity relationship (QSAR) study for fungicidal activities of thiazoline derivatives against rice blast. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008, 18, 2133-2142.	2.2	20
78	Role of Phospholipase C- β 1 in Insulin-like Growth Factor I-Induced Muscle Differentiation of H9c2 Cardiac Myoblasts. <i>Biochemical and Biophysical Research Communications</i> , 2001, 282, 816-822.	2.1	18
79	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.	2.9	18
80	Do the calmodulin-stimulated adenylyl cyclases play a role in neuroplasticity?. <i>Behavioral and Brain Sciences</i> , 1995, 18, 429-440.	0.7	17
81	SMN1 functions as a novel inhibitor for TRAF6-mediated NF- κ B signaling. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2017, 1864, 760-770.	4.1	17
82	Ataxin-1 is involved in tumorigenesis of cervical cancer cells via the EGFR-RAS-MAPK signaling pathway. <i>Oncotarget</i> , 2017, 8, 94606-94618.	1.8	17
83	Role of Cytosolic Phospholipase A2 as a Downstream Mediator of Rac in the Signaling Pathway to JNK Stimulation. <i>Biochemical and Biophysical Research Communications</i> , 2000, 268, 231-236.	2.1	16
84	Stabilization of the survival motor neuron protein by ASK1. <i>FEBS Letters</i> , 2011, 585, 1287-1292.	2.8	15
85	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.	2.6	14
86	Phosphorylation of Nicastrin by SGK1 Leads to Its Degradation through Lysosomal and Proteasomal Pathways. <i>PLoS ONE</i> , 2012, 7, e37111.	2.5	13
87	Two distinct mechanisms are involved in 6-hydroxydopamine- and MPPA-induced dopaminergic neuronal cell death: Role of caspases, ROS, and JNK. <i>Journal of Neuroscience Research</i> , 1999, 57, 86-94.	2.9	13
88	Enhanced ASGR2 by microplastic exposure leads to resistance to therapy in gastric cancer. <i>Theranostics</i> , 2022, 12, 3217-3236.	10.0	13
89	CIA functions as a molecular switch for the Rac1-specific GEF activity of SOS1. <i>Journal of Cell Biology</i> , 2011, 195, 377-386.	5.2	12
90	CIB1 protects against MPTP-induced neurotoxicity through inhibiting ASK1. <i>Scientific Reports</i> , 2017, 7, 12178.	3.3	12

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91	PRMT1 negatively regulates activation-induced cell death in macrophages by arginine methylation of GAPDH. <i>Experimental Cell Research</i> , 2018, 368, 50-58.	2.6	10
92	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.	5.4	10
93	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, 408-414.	2.1	9
94	UXT chaperone prevents proteotoxicity by acting as an autophagy adaptor for p62-dependent aggrephagy. <i>Nature Communications</i> , 2021, 12, 1955.	12.8	9
95	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, 4097-4101.	2.8	8
96	Mst1-Deficiency Induces Hyperactivation of Monocyte-Derived Dendritic Cells via Akt1/c-myc Pathway. <i>Frontiers in Immunology</i> , 2019, 10, 2142.	4.8	8
97	BAT3 negatively regulates lipopolysaccharide-induced NF- κ B signaling through TRAF6. <i>Biochemical and Biophysical Research Communications</i> , 2016, 478, 784-790.	2.1	7
98	CIIA negatively regulates the Ras/mitogen-activated protein kinase signaling pathway through inhibiting the Ras-specific GEF activity of SOS1. <i>Journal of Cell Science</i> , 2014, 127, 1640-6.	2.0	6
99	CIIA Is a Novel Regulator of Detachment-Induced Cell Death. <i>Cancer Research</i> , 2010, 70, 6352-6358.	0.9	5
100	SB203580 Induces Prolonged B-Raf Activation and Promotes Neuronal Differentiation upon EGF Treatment of PC12 Cells. <i>Biochemistry (Moscow)</i> , 2004, 69, 799-805.	1.5	3
101	CIIA negatively regulates neuronal cell death induced by oxygen-glucose deprivation and reoxygenation. <i>Molecular and Cellular Biochemistry</i> , 2014, 397, 139-146.	3.1	3
102	S-nitrosylated GAPDH mediates neuronal apoptosis induced by amyotrophic lateral sclerosis-associated mutant SOD1G93A. <i>Animal Cells and Systems</i> , 2016, 20, 310-316.	2.2	3
103	RC3/neurogranin negatively regulates extracellular signal-regulated kinase pathway through its interaction with Ras. <i>Molecular and Cellular Biochemistry</i> , 2015, 402, 33-40.	3.1	2
104	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
105	MST1 mediates the N-methyl-d-aspartate-induced excitotoxicity in mouse cortical neurons. <i>Cellular and Molecular Life Sciences</i> , 2022, 79, 15.	5.4	1