

# Hidenori Ichijo

## List of Publications by Year in descending order

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257  
papers

28,917  
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265  
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times ranked

26554  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mammalian thioredoxin is a direct inhibitor of apoptosis signal-regulating kinase (ASK) 1. <i>EMBO Journal</i> , 1998, 17, 2596-2606.	3.5	2,150
2	ASK1 is essential for endoplasmic reticulum stress-induced neuronal cell death triggered by expanded polyglutamine repeats. <i>Genes and Development</i> , 2002, 16, 1345-1355.	2.7	1,200
3	ASK1 is required for sustained activations of JNK/p38 MAP kinases and apoptosis. <i>EMBO Reports</i> , 2001, 2, 222-228.	2.0	1,103
4	BCL-2 Is Phosphorylated and Inactivated by an ASK1/Jun N-Terminal Protein Kinase Pathway Normally Activated at G <sub>2</sub> /M. <i>Molecular and Cellular Biology</i> , 1999, 19, 8469-8478.	1.1	951
5	ASK1 Is Essential for JNK/SAPK Activation by TRAF2. <i>Molecular Cell</i> , 1998, 2, 389-395.	4.5	625
6	ROS-dependent activation of the TRAF6-ASK1-p38 pathway is selectively required for TLR4-mediated innate immunity. <i>Nature Immunology</i> , 2005, 6, 587-592.	7.0	605
7	Activation of Apoptosis Signal-Regulating Kinase 1 (ASK1) by the Adapter Protein Daxx. , 1998, 281, 1860-1863.		550
8	Activation of Apoptosis Signal-Regulating Kinase 1 (ASK1) by Tumor Necrosis Factor Receptor-Associated Factor 2 Requires Prior Dissociation of the ASK1 Inhibitor Thioredoxin. <i>Molecular and Cellular Biology</i> , 2000, 20, 2198-2208.	1.1	492
9	From receptors to stress-activated MAP kinases. <i>Oncogene</i> , 1999, 18, 6087-6093.	2.6	490
10	ALS-linked mutant SOD1 induces ER stress- and ASK1-dependent motor neuron death by targeting Derlin-1. <i>Genes and Development</i> , 2008, 22, 1451-1464.	2.7	482
11	Redox control of cell fate by MAP kinase: physiological roles of ASK1-MAP kinase pathway in stress signaling. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2008, 1780, 1325-1336.	1.1	424
12	Roles of Bone Morphogenetic Protein Type I Receptors and Smad Proteins in Osteoblast and Chondroblast Differentiation. <i>Molecular Biology of the Cell</i> , 1999, 10, 3801-3813.	0.9	392
13	Amyloid $\beta$ induces neuronal cell death through ROS-mediated ASK1 activation. <i>Cell Death and Differentiation</i> , 2005, 12, 19-24.	5.0	369
14	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.	1.6	357
15	Activation of apoptosis signal-regulating kinase 1 by the stress-induced activating phosphorylation of pre-formed oligomer. <i>Journal of Cellular Physiology</i> , 2002, 191, 95-104.	2.0	329
16	Microtubule-interfering Agents Activate c-Jun N-terminal Kinase/Stress-activated Protein Kinase through Both Ras and Apoptosis Signal-regulating Kinase Pathways. <i>Journal of Biological Chemistry</i> , 1998, 273, 4928-4936.	1.6	320
17	Possible novel therapy for diabetes with cell-permeable JNK-inhibitory peptide. <i>Nature Medicine</i> , 2004, 10, 1128-1132.	15.2	317
18	Execution of Apoptosis Signal-regulating Kinase 1 (ASK1)-induced Apoptosis by the Mitochondria-dependent Caspase Activation. <i>Journal of Biological Chemistry</i> , 2000, 275, 26576-26581.	1.6	309

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19	The ASK1-MAP Kinase Cascades in Mammalian Stress Response. <i>Journal of Biochemistry</i> , 2004, 136, 261-265.	0.9	300
20	Interaction of DJ-1 with Daxx inhibits apoptosis signal-regulating kinase 1 activity and cell death. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 9691-9696.	3.3	299
21	HIV-1 Nef inhibits ASK1-dependent death signalling providing a potential mechanism for protecting the infected host cell. <i>Nature</i> , 2001, 410, 834-838.	13.7	294
22	Identification of Type I and Type II Serine/Threonine Kinase Receptors for Growth/Differentiation Factor-5. <i>Journal of Biological Chemistry</i> , 1996, 271, 21345-21352.	1.6	292
23	Iron homeostasis and iron-regulated ROS in cell death, senescence and human diseases. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2019, 1863, 1398-1409.	1.1	283
24	Negative feedback regulation of ASK1 by protein phosphatase 5 (PP5) in response to oxidative stress. <i>EMBO Journal</i> , 2001, 20, 6028-6036.	3.5	277
25	Stress-Responsive Protein Kinases in Redox-Regulated Apoptosis Signaling. <i>Antioxidants and Redox Signaling</i> , 2005, 7, 472-481.	2.5	254
26	GTP Binding Is Essential to the Protein Kinase Activity of LRRK2, a Causative Gene Product for Familial Parkinson's Disease. <i>Biochemistry</i> , 2007, 46, 1380-1388.	1.2	246
27	Thioredoxin and TRAF Family Proteins Regulate Reactive Oxygen Species-Dependent Activation of ASK1 through Reciprocal Modulation of the N-Terminal Homophilic Interaction of ASK1. <i>Molecular and Cellular Biology</i> , 2007, 27, 8152-8163.	1.1	244
28	Deletion of Apoptosis Signal-Regulating Kinase 1 Attenuates Acetaminophen-Induced Liver Injury by Inhibiting c-Jun N-Terminal Kinase Activation. <i>Gastroenterology</i> , 2008, 135, 1311-1321.	0.6	228
29	Physiological Roles of ASK1-Mediated Signal Transduction in Oxidative Stress- and Endoplasmic Reticulum Stress-Induced Apoptosis: Advanced Findings from ASK1 Knockout Mice. <i>Antioxidants and Redox Signaling</i> , 2002, 4, 415-425.	2.5	224
30	Targeted deletion of apoptosis signal-regulating kinase 1 attenuates left ventricular remodeling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 15883-15888.	3.3	222
31	Sustained Activation of the JNK Cascade and Rapamycin-Induced Apoptosis Are Suppressed by p53/p21Cip1. <i>Molecular Cell</i> , 2003, 11, 1491-1501.	4.5	218
32	Transforming Growth Factor- $\beta$ 2: Latent Forms, Binding Proteins and Receptors. <i>Growth Factors</i> , 1993, 8, 11-22.	0.5	217
33	Apoptosis Signal-Regulating Kinase 1 Plays a Pivotal Role in Angiotensin II-Induced Cardiac Hypertrophy and Remodeling. <i>Circulation Research</i> , 2003, 93, 874-883.	2.0	217
34	Roles of MAPKKK ASK1 in Stress-Induced Cell Death. <i>Cell Structure and Function</i> , 2003, 28, 23-29.	0.5	208
35	Apoptosis Signal-Regulating Kinase 1 in Stress and Immune Response. <i>Annual Review of Pharmacology and Toxicology</i> , 2008, 48, 199-225.	4.2	207
36	Recruitment of Tumor Necrosis Factor Receptor-associated Factor Family Proteins to Apoptosis Signal-regulating Kinase 1 Signalingosome Is Essential for Oxidative Stress-induced Cell Death. <i>Journal of Biological Chemistry</i> , 2005, 280, 37033-37040.	1.6	196

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37	Phosphorylation and Inactivation of Myeloid Cell Leukemia 1 by JNK in Response to Oxidative Stress. <i>Journal of Biological Chemistry</i> , 2002, 277, 43730-43734.	1.6	191
38	Microtubule Dysfunction Induced by Paclitaxel Initiates Apoptosis through Both c-Jun N-terminal Kinase (JNK)-dependent and -Independent Pathways in Ovarian Cancer Cells. <i>Journal of Biological Chemistry</i> , 1999, 274, 8208-8216.	1.6	190
39	Variant sublines with different metastatic potentials selected in nude mice from human oral squamous cell carcinomas. <i>Journal of Oral Pathology and Medicine</i> , 1989, 18, 391-395.	1.4	186
40	The Src/c-Abl pathway is a potential therapeutic target in amyotrophic lateral sclerosis. <i>Science Translational Medicine</i> , 2017, 9, .	5.8	182
41	Involvement of ASK1 in Ca <sup>2+</sup> -induced p38 MAP kinase activation. <i>EMBO Reports</i> , 2004, 5, 161-166.	2.0	175
42	Pathophysiological Roles of ASK1-MAP Kinase Signaling Pathways. <i>BMB Reports</i> , 2007, 40, 1-6.	1.1	173
43	Requirement of Reactive Oxygen Species-dependent Activation of ASK1-p38 MAPK Pathway for Extracellular ATP-induced Apoptosis in Macrophage. <i>Journal of Biological Chemistry</i> , 2008, 283, 7657-7665.	1.6	170
44	ASK1 mediates apoptotic cell death induced by genotoxic stress. <i>Oncogene</i> , 1999, 18, 173-180.	2.6	169
45	The Lysosome Rupture-activated TAK1-JNK Pathway Regulates NLRP3 Inflammasome Activation. <i>Journal of Biological Chemistry</i> , 2014, 289, 32926-32936.	1.6	164
46	The roles of ASK family proteins in stress responses and diseases. <i>Cell Communication and Signaling</i> , 2009, 7, 9.	2.7	163
47	Role of Apoptosis Signal-Regulating Kinase in Regulation of the c-Jun N-Terminal Kinase Pathway and Apoptosis in Sympathetic Neurons. <i>Molecular and Cellular Biology</i> , 2000, 20, 196-204.	1.1	161
48	Cardiac-specific disruption of the c-raf-1 gene induces cardiac dysfunction and apoptosis. <i>Journal of Clinical Investigation</i> , 2004, 114, 937-943.	3.9	159
49	Molecular Mechanisms of the Decision between Life and Death: Regulation of Apoptosis by Apoptosis Signal-Regulating Kinase 1. <i>Journal of Biochemistry</i> , 2001, 130, 1-8.	0.9	155
50	Apoptosis Signal-regulating Kinase 1 (ASK1) Induces Neuronal Differentiation and Survival of PC12 Cells. <i>Journal of Biological Chemistry</i> , 2000, 275, 9805-9813.	1.6	152
51	Essential Role of E2-25K/Hip-2 in Mediating Amyloid- $\beta^2$ Neurotoxicity. <i>Molecular Cell</i> , 2003, 12, 553-563.	4.5	151
52	Rhomboid Protease PARL Mediates the Mitochondrial Membrane Potential Loss-induced Cleavage of PGAM5. <i>Journal of Biological Chemistry</i> , 2012, 287, 34635-34645.	1.6	151
53	Receptors for Transforming Growth Factor- $\beta^2$ . <i>Advances in Immunology</i> , 1993, , 181-220.	1.1	148
54	Induction of Smad6 mRNA by Bone Morphogenetic Proteins. <i>Biochemical and Biophysical Research Communications</i> , 1998, 244, 26-29.	1.0	147

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55	Mitogen-Activated Protein Kinases in Mammalian Oxidative Stress Responses. <i>Antioxidants and Redox Signaling</i> , 2011, 15, 205-218.	2.5	146
56	Apoptosis Signal-Regulating Kinase 1 Mediates Cellular Senescence Induced by High Glucose in Endothelial Cells. <i>Diabetes</i> , 2006, 55, 1660-1665.	0.3	144
57	Neuronal p38 MAPK signalling: an emerging regulator of cell fate and function in the nervous system. <i>Genes To Cells</i> , 2002, 7, 1099-1111.	0.5	142
58	The aspartyl protease DDI2 activates Nrf1 to compensate for proteasome dysfunction. <i>ELife</i> , 2016, 5, .	2.8	137
59	Thioredoxin and protein kinases in redox signaling. <i>Seminars in Cancer Biology</i> , 2006, 16, 427-435.	4.3	132
60	The ASK1-MAP Kinase Signaling in ER Stress and Neurodegenerative Diseases. <i>Current Molecular Medicine</i> , 2006, 6, 87-97.	0.6	132
61	Mitochondrial phosphoglycerate mutase 5 uses alternate catalytic activity as a protein serine/threonine phosphatase to activate ASK1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 12301-12305.	3.3	132
62	Oxidizable Residues Mediating Protein Stability and Cytoprotective Interaction of DJ-1 with Apoptosis Signal-regulating Kinase 1. <i>Journal of Biological Chemistry</i> , 2009, 284, 14245-14257.	1.6	130
63	Ubiquitin-like Sequence in ASK1 Plays Critical Roles in the Recognition and Stabilization by USP9X and Oxidative Stress-Induced Cell Death. <i>Molecular Cell</i> , 2009, 36, 805-818.	4.5	128
64	Oxidative Stress-Induced Diseases via the ASK1 Signaling Pathway. <i>International Journal of Cell Biology</i> , 2012, 2012, 1-5.	1.0	127
65	Reaper-mediated inhibition of DIAP1-induced DTRAF1 degradation results in activation of JNK in <i>Drosophila</i> . <i>Nature Cell Biology</i> , 2002, 4, 705-710.	4.6	125
66	Regulation of the severity of neuroinflammation and demyelination by TLR $\alpha$ -ASK1 $\beta$ -p38 pathway. <i>EMBO Molecular Medicine</i> , 2010, 2, 504-515.	3.3	123
67	ASK1-p38 MAPK-p47phox activation is essential for inflammatory responses during tuberculosis via TLR2-ROS signalling. <i>Cellular Microbiology</i> , 2008, 10, 741-754.	1.1	122
68	Survival and apoptosis signals in ER stress: the role of protein kinases. <i>Journal of Chemical Neuroanatomy</i> , 2004, 28, 93-100.	1.0	121
69	Apoptosis Signal-regulating Kinase 1 (ASK1) Is an Intracellular Inducer of Keratinocyte Differentiation. <i>Journal of Biological Chemistry</i> , 2001, 276, 999-1004.	1.6	119
70	ASK1 and ASK2 differentially regulate the counteracting roles of apoptosis and inflammation in tumorigenesis. <i>EMBO Journal</i> , 2009, 28, 843-853.	3.5	119
71	Oxidation-triggered c-Jun N-terminal kinase (JNK) and p38 mitogen-activated protein (MAP) kinase pathways for apoptosis in human leukaemic cells stimulated by epigallocatechin-3-gallate (EGCG): a distinct pathway from those of chemically induced and receptor-mediated apoptosis. <i>Biochemical Journal</i> , 2002, 368, 705-720.	1.7	118
72	Apoptosis Signal-regulating Kinase (ASK) 2 Functions as a Mitogen-activated Protein Kinase Kinase Kinase in a Heteromeric Complex with ASK1. <i>Journal of Biological Chemistry</i> , 2007, 282, 7522-7531.	1.6	115

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73	SOD1 as a Molecular Switch for Initiating the Homeostatic ER Stress Response under Zinc Deficiency. <i>Molecular Cell</i> , 2013, 52, 75-86.	4.5	114
74	SOD1 in neurotoxicity and its controversial roles in SOD1 mutation-negative ALS. <i>Advances in Biological Regulation</i> , 2016, 60, 95-104.	1.4	112
75	Impact of Mitochondrial Reactive Oxygen Species and Apoptosis Signal-Regulating Kinase 1 on Insulin Signaling. <i>Diabetes</i> , 2006, 55, 1197-1204.	0.3	111
76	HSV Infection Induces Production of ROS, which Potentiate Signaling from Pattern Recognition Receptors: Role for S-glutathionylation of TRAF3 and 6. <i>PLoS Pathogens</i> , 2011, 7, e1002250.	2.1	107
77	Cardiac-specific disruption of the <i>c-raf-1</i> gene induces cardiac dysfunction and apoptosis. <i>Journal of Clinical Investigation</i> , 2004, 114, 937-943.	3.9	107
78	Role of Apoptosis Signal-Regulating Kinase 1 in Stress-Induced Neural Cell Apoptosis in Vivo. <i>American Journal of Pathology</i> , 2006, 168, 261-269.	1.9	104
79	Cryo-EM structures of the human volume-regulated anion channel LRRC8. <i>Nature Structural and Molecular Biology</i> , 2018, 25, 797-804.	3.6	104
80	Activation mechanisms of ASK1 in response to various stresses and its significance in intracellular signaling. <i>Advances in Biological Regulation</i> , 2013, 53, 135-144.	1.4	103
81	Inhibition of Mammalian Target of Rapamycin Activates Apoptosis Signal-regulating Kinase 1 Signaling by Suppressing Protein Phosphatase 5 Activity. <i>Journal of Biological Chemistry</i> , 2004, 279, 36490-36496.	1.6	102
82	Therapeutic targets in the ASK1-dependent stress signaling pathways. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , 2012, 88, 434-453.	1.6	102
83	Liver Protection from Apoptosis Requires Both Blockage of Initiator Caspase Activities and Inhibition of ASK1/JNK Pathway via Glutathione S-Transferase Regulation. <i>Journal of Biological Chemistry</i> , 2002, 277, 49220-49229.	1.6	101
84	Induction of Apoptosis Signal Regulating Kinase 1 (ASK1) after Spinal Cord Injury in Rats. <i>Journal of Neuropathology and Experimental Neurology</i> , 1999, 58, 442-450.	0.9	100
85	Identification of Important Regions in the Cytoplasmic Juxtamembrane Domain of Type I Receptor That Separate Signaling Pathways of Transforming Growth Factor- $\beta$ 2. <i>Journal of Biological Chemistry</i> , 1996, 271, 2769-2775.	1.6	99
86	Growth/Differentiation Factor-5 Induces Angiogenesis in Vivo. <i>Experimental Cell Research</i> , 1997, 235, 218-226.	1.2	99
87	Cold stress-induced ferroptosis involves the ASK1-p38 pathway. <i>EMBO Reports</i> , 2017, 18, 2067-2078.	2.0	99
88	Apoptosis signal-regulating kinase 1 and cyclin D1 compose a positive feedback loop contributing to tumor growth in gastric cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 780-785.	3.3	96
89	Olmesartan Prevents Cardiovascular Injury and Hepatic Steatosis in Obesity and Diabetes, Accompanied by Apoptosis Signal Regulating Kinase-1 Inhibition. <i>Hypertension</i> , 2008, 52, 573-580.	1.3	94
90	The Cell Cycle-Regulatory CDC25A Phosphatase Inhibits Apoptosis Signal-Regulating Kinase 1. <i>Molecular and Cellular Biology</i> , 2001, 21, 4818-4828.	1.1	93

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91	Phosphorylation-dependent Scaffolding Role of JSAP1/JIP3 in the ASK1-JNK Signaling Pathway. <i>Journal of Biological Chemistry</i> , 2002, 277, 40703-40709.	1.6	89
92	Direct Interaction and Reciprocal Regulation between ASK1 and Calcineurin-NFAT Control Cardiomyocyte Death and Growth. <i>Molecular and Cellular Biology</i> , 2006, 26, 3785-3797.	1.1	86
93	Molecular cloning and characterization of the human and porcine transforming growth factor- $\beta$ type III receptors. <i>Biochemical and Biophysical Research Communications</i> , 1992, 189, 356-362.	1.0	84
94	Apoptosis signal regulating kinase-1 connects reactive oxygen species to p38 MAPK-induced mitochondrial apoptosis in UVB-irradiated human keratinocytes. <i>Free Radical Biology and Medicine</i> , 2006, 41, 1361-1371.	1.3	84
95	The ASK1-MAP kinase pathways in immune and stress responses. <i>Microbes and Infection</i> , 2006, 8, 1098-1107.	1.0	82
96	Cutting Edge: Apoptosis-Regulating Signal Kinase 1 Is Required for Reactive Oxygen Species-Mediated Activation of IFN Regulatory Factor 3 by Lipopolysaccharide. <i>Journal of Immunology</i> , 2006, 176, 5720-5724.	0.4	82
97	Apoptosis signal-regulating kinase 1 as a therapeutic target. <i>Expert Opinion on Therapeutic Targets</i> , 2014, 18, 651-664.	1.5	82
98	Efficient Association of an Amino-terminally Extended Form of Human Latent Transforming Growth Factor- $\beta$ Binding Protein with the Extracellular Matrix. <i>Journal of Biological Chemistry</i> , 1995, 270, 31294-31297.	1.6	80
99	Type 1 Insulin-like Growth Factor Receptor (IGF-IR) Signaling Inhibits Apoptosis Signal-regulating Kinase 1 (ASK1). <i>Journal of Biological Chemistry</i> , 2003, 278, 13325-13332.	1.6	77
100	ASK1-dependent recruitment and activation of macrophages induce hair growth in skin wounds. <i>Journal of Cell Biology</i> , 2007, 176, 903-909.	2.3	77
101	Selective Activation of the p38 MAPK Pathway by Synthetic Monophosphoryl Lipid A. <i>Journal of Biological Chemistry</i> , 2009, 284, 31982-31991.	1.6	77
102	Stress-Activated MAP Kinase Cascades in Cellular Senescence. <i>Current Medicinal Chemistry</i> , 2009, 16, 1229-1235.	1.2	77
103	The DEAH-Box RNA Helicase DHX15 Activates NF- $\kappa$ B and MAPK Signaling Downstream of MAVS During Antiviral Responses. <i>Science Signaling</i> , 2014, 7, ra40.	1.6	77
104	Molecular Cloning and Characterization of the Mouse Apoptosis Signal-Regulating Kinase 1. <i>Biochemical and Biophysical Research Communications</i> , 1997, 239, 905-910.	1.0	76
105	Release of RASSF1C from the nucleus by Daxx degradation links DNA damage and SAPK/JNK activation. <i>EMBO Journal</i> , 2006, 25, 3286-3297.	3.5	76
106	Apoptosis signal-regulating kinase 1 inhibits hepatocarcinogenesis by controlling the tumor-suppressing function of stress-activated mitogen-activated protein kinase. <i>Hepatology</i> , 2011, 54, 185-195.	3.6	74
107	Characterization of the Interaction of FKBP12 with the Transforming Growth Factor- $\beta$ Type I Receptor in Vivo. <i>Journal of Biological Chemistry</i> , 1996, 271, 21687-21690.	1.6	73
108	Serine/threonine kinase receptors. <i>Progress in Growth Factor Research</i> , 1994, 5, 55-72.	1.7	72



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109	The Loss of PGAM5 Suppresses the Mitochondrial Degeneration Caused by Inactivation of PINK1 in <i>Drosophila</i> . <i>PLoS Genetics</i> , 2010, 6, e1001229.	1.5	72
110	The Cytoplasmic Domain of Alzheimer's Amyloid- $\beta^2$ Protein Precursor Causes Sustained Apoptosis Signal-Regulating Kinase 1/c-Jun NH2-Terminal Kinase-Mediated Neurotoxic Signal via Dimerization. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2003, 306, 889-902.	1.3	70
111	Novel Mechanism and Role of Angiotensin II-Induced Vascular Endothelial Injury in Hypertensive Diastolic Heart Failure. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2007, 27, 2569-2575.	1.1	70
112	The Kelch Repeat Protein KLHDC10 Regulates Oxidative Stress-Induced ASK1 Activation by Suppressing PP5. <i>Molecular Cell</i> , 2012, 48, 692-704.	4.5	70
113	Apoptosis Signal-Regulating Kinase 1 Is a Novel Target Molecule for Cognitive Impairment Induced by Chronic Cerebral Hypoperfusion. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014, 34, 616-625.	1.1	69
114	Different Signals Mediate Transforming Growth Factor- $\beta^2$ 1-Induced Growth Inhibition and Extracellular Matrix Production in Prostatic Carcinoma Cells. <i>Experimental Cell Research</i> , 1993, 207, 1-7.	1.2	68
115	Regulation of Apoptosis by $\beta$ -Subunits of G12 and G13 Proteins via Apoptosis Signal-regulating Kinase-1. <i>Journal of Biological Chemistry</i> , 1998, 273, 27816-27823.	1.6	67
116	Critical Role of Apoptosis Signal-Regulating Kinase 1 in Aldosterone/Salt-Induced Cardiac Inflammation and Fibrosis. <i>Hypertension</i> , 2009, 54, 544-551.	1.3	67
117	Mitogen-activated protein kinases as key players in osmotic stress signaling. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2016, 1860, 2037-2052.	1.1	67
118	New mechanisms of skin innate immunity: ASK1-mediated keratinocyte differentiation regulates the expression of $\beta^2$ -defensins, LL37, and TLR2. <i>European Journal of Immunology</i> , 2005, 35, 1886-1895.	1.6	66
119	A TNF- and c-Cbl-dependent FLIPS-degradation pathway and its function in <i>Mycobacterium tuberculosis</i> -induced macrophage apoptosis. <i>Nature Immunology</i> , 2009, 10, 918-926.	7.0	66
120	ASK3 responds to osmotic stress and regulates blood pressure by suppressing WNK1-SPAK/OSR1 signaling in the kidney. <i>Nature Communications</i> , 2012, 3, 1285.	5.8	66
121	A novel monoclonal antibody reveals a conformational alteration shared by amyotrophic lateral sclerosis-linked SOD1 mutants. <i>Annals of Neurology</i> , 2012, 72, 739-749.	2.8	65
122	Serine 58 of 14-3-3 $\eta$ Is a Molecular Switch Regulating ASK1 and Oxidant Stress-Induced Cell Death. <i>Molecular and Cellular Biology</i> , 2009, 29, 4167-4176.	1.1	64
123	Localization of Transforming Growth Factor- $\beta^2$ Type I and Type II Receptors in Mouse Development. <i>Experimental Cell Research</i> , 1995, 219, 339-347.	1.2	62
124	Cells recognize osmotic stress through liquid-liquid phase separation lubricated with poly(ADP-ribose). <i>Nature Communications</i> , 2021, 12, 1353.	5.8	62
125	Regulation of Apoptosis Signal-Regulating Kinase 1 in Redox Signaling. <i>Methods in Enzymology</i> , 2010, 474, 277-288.	0.4	60
126	Pre-emptive Quality Control Protects the ER from Protein Overload via the Proximity of ERAD Components and SRP. <i>Cell Reports</i> , 2015, 13, 944-956.	2.9	60



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127	Roquin-2 Promotes Ubiquitin-Mediated Degradation of ASK1 to Regulate Stress Responses. <i>Science Signaling</i> , 2014, 7, ra8.	1.6	59
128	ASK1 signalling regulates brown and beige adipocyte function. <i>Nature Communications</i> , 2016, 7, 11158.	5.8	59
129	Apoptosis signal-regulating kinase 1 is involved not only in apoptosis but also in non-apoptotic cardiomyocyte death. <i>Biochemical and Biophysical Research Communications</i> , 2005, 333, 562-567.	1.0	58
130	Triggering of neuronal cell death by accumulation of activated SEK1 on nuclear polyglutamine aggregations in PML bodies. <i>Genes To Cells</i> , 1999, 4, 743-756.	0.5	57
131	Apoptosis Signal-Regulating Kinase 1 Mediates MPTP Toxicity and Regulates Glial Activation. <i>PLoS ONE</i> , 2012, 7, e29935.	1.1	57
132	A PP6-ASK3 Module Coordinates the Bidirectional Cell Volume Regulation under Osmotic Stress. <i>Cell Reports</i> , 2018, 22, 2809-2817.	2.9	54
133	ASK Family Proteins in Stress Response and Disease. <i>Molecular Biotechnology</i> , 2007, 37, 13-18.	1.3	53
134	Biological effects and binding properties of transforming growth factor- $\beta$ 2 on human oral squamous cell carcinoma cells. <i>Experimental Cell Research</i> , 1990, 187, 263-269.	1.2	52
135	ASK1 Inhibits Interleukin-1-induced NF- $\kappa$ B Activity through Disruption of TRAF6-TAK1 Interaction. <i>Journal of Biological Chemistry</i> , 2000, 275, 32747-32752.	1.6	52
136	Apoptosis Signal-Regulating Kinase 1/p38 Signaling Pathway Negatively Regulates Physiological Hypertrophy. <i>Circulation</i> , 2008, 117, 545-552.	1.6	52
137	ASK1 regulates influenza virus infection-induced apoptotic cell death. <i>Biochemical and Biophysical Research Communications</i> , 2003, 307, 870-876.	1.0	51
138	Key Roles of Phe1112 and Ser1115 in the Pore-Forming $\text{IIIS5-S6}$ Linker of L-Type $\text{Ca}^{2+}$ Channel $\beta$ 1C Subunit (CaV1.2) in Binding of Dihydropyridines and Action of $\text{Ca}^{2+}$ Channel Agonists. <i>Molecular Pharmacology</i> , 2003, 64, 235-248.	1.0	51
139	Pleiotropic properties of ASK1. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 3030-3038.	1.1	51
140	Apoptosis Signal-Regulating Kinase 1 Regulates Colitis and Colitis-Associated Tumorigenesis by the Innate Immune Responses. <i>Gastroenterology</i> , 2010, 138, 1055-1067.e4.	0.6	50
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