Hidenori Ichijo

List of Publications by Year
in descending order

257 papers	28,917 citations	4146 87 h-index	5829 161 g-index
265 all docs	265 docs citations	265 times ranked	26554 citing authors

#	Article	IF	Citations
1	mTOR-AKT Signaling in Cellular Clock Resetting Triggered by Osmotic Stress. Antioxidants and Redox Signaling, 2022, 37, 631-646.	5.4	3
2	ASK1 signaling regulates phase-specific glial interactions during neuroinflammation. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	6
3	NAMPT-dependent NAD+ salvage is crucial for the decision between apoptotic and necrotic cell death under oxidative stress. Cell Death Discovery, 2022, 8, 195.	4.7	6
4	ASK1 suppresses NK cellâ€mediated intravascular tumor cell clearance in lung metastasis. Cancer Science, 2021, 112, 1633-1643.	3.9	5
5	FGF21 Induced by the ASK1-p38 Pathway Promotes Mechanical Cell Competition by Attracting Cells. Current Biology, 2021, 31, 1048-1057.e5.	3.9	18
6	Cells recognize osmotic stress through liquidâ€"liquid phase separation lubricated with poly(ADP-ribose). Nature Communications, 2021, 12, 1353.	12.8	62
7	A Novel Lens for Cell Volume Regulation: Liquid-Liquid Phase Separation. Cellular Physiology and Biochemistry, 2021, 55, 135-160.	1.6	4
8	Functional cooperation between ASK1 and p21Waf1/Cip1 in the balance of cell-cycle arrest, cell death and tumorigenesis of stressed keratinocytes. Cell Death Discovery, 2021, 7, 75.	4.7	2
9	The mitochondrial Ca ‹sup›2+‹/sup› uptake regulator, MICU1, is involved in cold stressâ€induced ferroptosis. EMBO Reports, 2021, 22, e51532.	4.5	41
10	ERAD components Derlin-1 and Derlin-2 are essential for postnatal brain development and motor function. IScience, 2021, 24, 102758.	4.1	11
11	Elevated placental histone H3K4 methylation via upregulated histone methyltransferases SETD1A and SMYD3 in preeclampsia and its possible involvement in hypoxia-induced pathophysiological process. Placenta, 2021, 115, 60-69.	1.5	10
12	Molecular functions of ASK family in diseases caused by stress-induced inflammation and apoptosis. Journal of Biochemistry, 2021, 169, 395-407.	1.7	0
13	ASKA technology-based pull-down method reveals a suppressive effect of ASK1 on the inflammatory NOD-RIPK2 pathway in brown adipocytesï»¿. Scientific Reports, 2021, 11, 22009.	3.3	0
14	The CCR4â€"NOT deadenylase complex safeguards thymic positive selection by down-regulating aberrant pro-apoptotic gene expression. Nature Communications, 2020, 11, 6169.	12.8	11
15	Apoptosis signal-regulating kinase 1 (ASK1) as a therapeutic target for neurological diseases. Expert Opinion on Therapeutic Targets, 2020, 24, 1061-1064.	3.4	7
16	Cryo-EM structure of the volume-regulated anion channel LRRC8D isoform identifies features important for substrate permeation. Communications Biology, 2020, 3, 240.	4.4	35
17	The mitochondrial protein PGAM5 suppresses energy consumption in brown adipocytes by repressing expression of uncoupling protein 1. Journal of Biological Chemistry, 2020, 295, 5588-5601.	3.4	9
18	Genome-wide siRNA screening reveals that DCAF4-mediated ubiquitination of optineurin stimulates autophagic degradation of Cu,Zn-superoxide dismutase. Journal of Biological Chemistry, 2020, 295, 3148-3158.	3.4	1

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19	ASK1 promotes uterine inflammation leading to pathological preterm birth. Scientific Reports, 2020, 10, 1887.	3.3	6
20	Î²-adrenergic receptor signaling evokes the PKA-ASK axis in mature brown adipocytes. PLoS ONE, 2020, 15, e0232645.	2.5	4
21	ER-resident sensor PERK is essential for mitochondrial thermogenesis in brown adipose tissue. Life Science Alliance, 2020, 3, e201900576.	2.8	27
22	Cell volume regulation in cancer cell migration driven by osmotic water flow. Cancer Science, 2019, 110, 2337-2347.	3.9	43
23	Iron homeostasis and iron-regulated ROS in cell death, senescence and human diseases. Biochimica Et Biophysica Acta - General Subjects, 2019, 1863, 1398-1409.	2.4	283
24	A PP6-ASK3 Module Coordinates the Bidirectional Cell Volume Regulation under Osmotic Stress. Cell Reports, 2018, 22, 2809-2817.	6.4	54
25	ASK family kinases mediate cellular stress and redox signaling to circadian clock. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 3646-3651.	7.1	29
26	Apoptosis signal-regulating kinase 1 in regulated necrosis. Cell Cycle, 2018, 17, 5-6.	2.6	5
27	mASKing cancer cells in a tumor microenvironment. Cell Cycle, 2018, 17, 139-140.	2.6	1
28	A small-molecule inhibitor of SOD1-Derlin-1 interaction ameliorates pathology in an ALS mouse model. Nature Communications, 2018, 9, 2668.	12.8	19
29	Î²-TrCP-dependent degradation of ASK1 suppresses the induction of the apoptotic response by oxidative stress. Biochimica Et Biophysica Acta - General Subjects, 2018, 1862, 2271-2280.	2.4	11
30	Cryo-EM structures of the human volume-regulated anion channel LRRC8. Nature Structural and Molecular Biology, 2018, 25, 797-804.	8.2	104
31	The Src/c-Abl pathway is a potential therapeutic target in amyotrophic lateral sclerosis. Science Translational Medicine, 2017, 9, .	12.4	182
32	Ask1 regulates murine platelet granule secretion, thromboxane A2 generation, and thrombus formation. Blood, 2017, 129, 1197-1209.	1.4	49
33	Cold stressâ€induced ferroptosis involves the <scp>ASK</scp> 1â€p38 pathway. EMBO Reports, 2017, 18, 2067-2078.	4.5	99
34	ASK1 facilitates tumor metastasis through phosphorylation of an ADP receptor P2Y12 in platelets. Cell Death and Differentiation, 2017, 24, 2066-2076.	11.2	34
35	TRIM48 Promotes ASK1 Activation and Cell Death through Ubiquitination-Dependent Degradation of the ASK1-Negative Regulator PRMT1. Cell Reports, 2017, 21, 2447-2457.	6.4	45
36	Structures of PGAM5 Provide Insight into Active Site Plasticity and Multimeric Assembly. Structure, 2017, 25, 1089-1099.e3.	3.3	27

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37	Involvement of apoptosis signal-regulating kinase-1 in house dust mite-induced allergic asthma in mice. Allergology International, 2017, 66, S50-S52.	3.3	2
38	Pleiotropic properties of ASK1. Biochimica Et Biophysica Acta - General Subjects, 2017, 1861, 3030-3038.	2.4	51
39	Foreword. Advances in Biological Regulation, 2017, 66, 1.	2.3	0
40	Role of ASK1/p38 Cascade in a Mouse Model of Alzheimerâ€™s Disease and Brain Aging. Journal of Alzheimer's Disease, 2017, 61, 259-263.	2.6	17
41	The aspartyl protease DDI2 activates Nrf1 to compensate for proteasome dysfunction. ELife, 2016, 5, .	6.0	137
42	The Ablation of Mitochondrial Protein Phosphatase Pgam5 Confers Resistance Against Metabolic Stress. EBioMedicine, 2016, 5, 82-92.	6.1	22
43	Osmotic stress induces the phosphorylation of WNK4 Ser575 via the p38MAPK-MK pathway. Scientific Reports, 2016, 6, 18710.	3.3	16
44	ASK1 signalling regulates brown and beige adipocyte function. Nature Communications, 2016, 7, 11158.	12.8	59
45	Mitogen-activated protein kinases as key players in osmotic stress signaling. Biochimica Et Biophysica Acta - General Subjects, 2016, 1860, 2037-2052.	2.4	67
46	SOD1 in neurotoxicity and its controversial roles in SOD1 mutation-negative ALS. Advances in Biological Regulation, 2016, 60, 95-104.	2.3	112
47	The ASK1-specific inhibitors K811 and K812 prolong survival in a mouse model of amyotrophic lateral sclerosis. Human Molecular Genetics, 2016, 25, 245-253.	2.9	40
48	KLHDC10 Deficiency Protects Mice against TNFÎ±-Induced Systemic Inflammation. PLoS ONE, 2016, 11, e0163118.	2.5	6
49	Mislocalization, aggregation formation and defect in proteolysis in ALS. AIMS Molecular Science, 2016, 3, 246-268.	0.5	2
50	In vivo gene manipulation reveals the impact of stressâ€responsive <scp>MAPK</scp> pathways on tumor progression. Cancer Science, 2015, 106, 785-796.	3.9	29
51	ASK1 is involved in cognitive impairment caused by long-term high-fat diet feeding in mice. Scientific Reports, 2015, 5, 10844.	3.3	24
52	Role of Apoptosis Signal-regulating Kinase 1 (ASK1) as an Activator of the GAPDH-Siah1 Stress-Signaling Cascade. Journal of Biological Chemistry, 2015, 290, 56-64.	3.4	18
53	The ASK family kinases differentially mediate induction of type I interferon and apoptosis during the antiviral response. Science Signaling, 2015, 8, ra78.	3.6	29
54	Inhibition of Cytohesins Protects against Genetic Models of Motor Neuron Disease. Journal of Neuroscience, 2015, 35, 9088-9105.	3.6	20

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55	Apoptosis Signal-regulating Kinase 1 (ASK1)-p38 Pathway-dependent Cytoplasmic Translocation of the Orphan Nuclear Receptor NR4A2 Is Required for Oxidative Stress-induced Necrosis. Journal of Biological Chemistry, 2015, 290, 10791-10803.	3.4	43
56	ASK1 restores the antiviral activity of APOBEC3G by disrupting HIV-1 Vif-mediated counteraction. Nature Communications, 2015, 6, 6945.	12.8	32
57	A systematic immunoprecipitation approach reinforces the concept of common conformational alterations in amyotrophic lateral sclerosis-linked SOD1 mutants. Neurobiology of Disease, 2015, 82, 478-486.	4.4	7
58	Pre-emptive Quality Control Protects the ER from Protein Overload via the Proximity of ERAD Components and SRP. Cell Reports, 2015, 13, 944-956.	6.4	60
59	Apoptosis signal-regulating kinase 1 modulates the phenotype of Î±-synuclein transgenic mice. Neurobiology of Aging, 2015, 36, 519-526.	3.1	23
60	Mitochondrial proteolysis: Its emerging roles in stress responses. Biochimica Et Biophysica Acta - General Subjects, 2015, 1850, 274-280.	2.4	27
61	Regulation of Cellular Signalling by Thioredoxin. , 2015, , 255-274.		0
62	The Expression of Fn14 via Mechanical Stress-activated JNK Contributes to Apoptosis Induction in Osteoblasts. Journal of Biological Chemistry, 2014, 289, 6438-6450.	3.4	37
63	Roquin-2 Promotes Ubiquitin-Mediated Degradation of ASK1 to Regulate Stress Responses. Science Signaling, 2014, 7, ra8.	3.6	59
64	The DEAH-Box RNA Helicase DHX15 Activates NF-ÎºB and MAPK Signaling Downstream of MAVS During Antiviral Responses. Science Signaling, 2014, 7, ra40.	3.6	77
65	Apoptosis Signalâ€"Regulating Kinase 1 Is a Novel Target Molecule for Cognitive Impairment Induced by Chronic Cerebral Hypoperfusion. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, 616-625.	2.4	69
66	Depletion of Apoptosis Signal-Regulating Kinase 1 Prevents Bile Duct Ligationâ€"Induced Necroinflammation and Subsequent Peribiliary Fibrosis. American Journal of Pathology, 2014, 184, 644-661.	3.8	32
67	The Lysosome Rupture-activated TAK1-JNK Pathway Regulates NLRP3 Inflammasome Activation. Journal of Biological Chemistry, 2014, 289, 32926-32936.	3.4	164
68	Apoptosis signal-regulating kinase 1 as a therapeutic target. Expert Opinion on Therapeutic Targets, 2014, 18, 651-664.	3.4	82
69	ASK1 promotes the contact hypersensitivity response through IL-17 production. Scientific Reports, 2014, 4, 4714.	3.3	14
70	Involvement of ASK1â€"p38 pathway in the pathogenesis of diabetes triggered by pancreatic ÃŸ cell exhaustion. Biochimica Et Biophysica Acta - General Subjects, 2013, 1830, 3656-3663.	2.4	23
71	Apoptosis Signalâ€"Regulating Kinase 1 Deficiency Attenuates Vascular Injuryâ€"Induced Neointimal Hyperplasia by Suppressing Apoptosis in Smooth Muscle Cells. American Journal of Pathology, 2013, 182, 597-609.	3.8	37
72	SOD1 as a Molecular Switch for Initiating the Homeostatic ER Stress Response under Zinc Deficiency. Molecular Cell, 2013, 52, 75-86.	9.7	114

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73	Activation mechanisms of ASK1 in response to various stresses and its significance in intracellular signaling. Advances in Biological Regulation, 2013, 53, 135-144.	2.3	103
74	Integration of Apoptosis Signal-Regulating Kinase 1-Mediated Stress Signaling with the Akt/Protein Kinase B-ÎºB Kinase Cascade. Molecular and Cellular Biology, 2013, 33, 2252-2259.	2.3	28
75	Requirement of Apoptosis-Inducing Kinase 1 for the Induction of Bronchial Asthma following Stimulation with Ovalbumin. International Archives of Allergy and Immunology, 2013, 162, 104-114.	2.1	11
76	Oxidative Stress-Induced Diseases via the ASK1 Signaling Pathway. International Journal of Cell Biology, 2012, 2012, 1-5.	2.5	127
77	Novel mechanism of angiotensin II-induced cardiac injury in hypertensive rats: the critical role of ASK1 and VEGF. Hypertension Research, 2012, 35, 194-200.	2.7	41
78	The Phosphorylation-Dependent Regulation of Mitochondrial Proteins in Stress Responses. Journal of Signal Transduction, 2012, 2012, 1-12.	2.0	44
79	Deletion of Apoptosis Signalâ€"Regulating Kinaseâ€"1 Prevents Ventilator-Induced Lung Injury in Mice. American Journal of Respiratory Cell and Molecular Biology, 2012, 46, 461-469.	2.9	16
80	Therapeutic targets in the ASK1-dependent stress signaling pathways. Proceedings of the Japan Academy Series B: Physical and Biological Sciences, 2012, 88, 434-453.	3.8	102
81	Rhomboid Protease PARL Mediates the Mitochondrial Membrane Potential Loss-induced Cleavage of PGAM5. Journal of Biological Chemistry, 2012, 287, 34635-34645.	3.4	151
82	The Kelch Repeat Protein KLHDC10 Regulates Oxidative Stress-Induced ASK1 Activation by Suppressing PP5. Molecular Cell, 2012, 48, 692-704.	9.7	70
83	A novel monoclonal antibody reveals a conformational alteration shared by amyotrophic lateral sclerosisâ€linked SOD1 mutants. Annals of Neurology, 2012, 72, 739-749.	5.3	65
84	Apoptosis signalâ€regulating kinaseâ€1 inhibitor as a potent therapeutic drug for the treatment of gastric cancer. Cancer Science, 2012, 103, 2181-2185.	3.9	47
85	ASK3 responds to osmotic stress and regulates blood pressure by suppressing WNK1-SPAK/OSR1 signaling in the kidney. Nature Communications, 2012, 3, 1285.	12.8	66
86	ASK1 promotes apoptosis of normal and malignant plasma cells. Blood, 2012, 120, 1039-1047.	1.4	28
87	Apoptosis Signal-Regulating Kinase 1 Mediates MPTP Toxicity and Regulates Glial Activation. PLoS ONE, 2012, 7, e29935.	2.5	57
88	Prevention of Apoptosis by Mitochondrial Phosphatase PGAM5 in the Mushroom Body Is Crucial for Heat Shock Resistance in Drosophila melanogaster. PLoS ONE, 2012, 7, e30265.	2.5	19
89	Roles for the Stress-Responsive Kinases ASK1 and ASK2 in Tumorigenesis. , 2012, , 145-153.		0
90	Mitogen-Activated Protein Kinases in Mammalian Oxidative Stress Responses. Antioxidants and Redox Signaling, 2011, 15, 205-218.	5.4	146

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91	Apoptosis signal-regulating kinase 1 deficiency eliminates cardiovascular injuries induced by high-salt diet. Journal of Hypertension, 2011, 29, 76-84.	0.5	16
92	Apoptosis signal-regulating kinase 1 inhibits hepatocarcinogenesis by controlling the tumor-suppressing function of stress-activated mitogen-activated protein kinase. Hepatology, 2011, 54, 185-195.	7.3	74
93	Identification of novel ASK1 inhibitors using virtual screening. Bioorganic and Medicinal Chemistry, 2011, 19, 486-489.	3.0	21
94	Regulation of Anoxic Death in Caenorhabditis elegans by Mammalian Apoptosis Signal-Regulating Kinase (ASK) Family Proteins. Genetics, 2011, 187, 785-792.	2.9	29
95	p38 MAPKs regulate the expression of genes in the dopamine synthesis pathway through phosphorylation of NR4A nuclear receptors. Journal of Cell Science, 2011, 124, 3006-3016.	2.0	33
96	Apoptosis signal-regulating kinase 1 and cyclin D1 compose a positive feedback loop contributing to tumor growth in gastric cancer. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 780-785.	7.1	96
97	Apoptosis Signaling Kinases: From Stress Response to Health Outcomes. Antioxidants and Redox Signaling, 2011, 15, 719-761.	5.4	46
98	Apoptosis Signalâ€"Regulating Kinase 1 Deficiency Accelerates Hyperlipidemia-Induced Atheromatous Plaques via Suppression of Macrophage Apoptosis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2011, 31, 1555-1564.	2.4	38
99	HSV Infection Induces Production of ROS, which Potentiate Signaling from Pattern Recognition Receptors: Role for S-glutathionylation of TRAF3 and 6. PLoS Pathogens, 2011, 7, e1002250.	4.7	107
100	Regulation of the severity of neuroinflammation and demyelination by TLRâ€ASK1â€p38 pathway. EMBO Molecular Medicine, 2010, 2, 504-515.	6.9	123
101	CHIP-dependent termination of MEKK2 regulates temporal ERK activation required for proper hyperosmotic response. EMBO Journal, 2010, 29, 2501-2514.	7.8	44
102	Reciprocal Negative Regulation of PDK1 and ASK1 Signaling by Direct Interaction and Phosphorylation. Journal of Biological Chemistry, 2010, 285, 2397-2414.	3.4	34
103	Fra-2 mediates oxygen-sensitive induction of transforming growth factor Î² in cardiac fibroblasts. Cardiovascular Research, 2010, 87, 647-655.	3.8	35
104	The Loss of PGAM5 Suppresses the Mitochondrial Degeneration Caused by Inactivation of PINK1 in Drosophila. PLoS Genetics, 2010, 6, e1001229.	3.5	72
105	Regulation of Apoptosis Signal-Regulating Kinase 1 in Redox Signaling. Methods in Enzymology, 2010, 474, 277-288.	1.0	60
106	Apoptosis Signal-Regulating Kinase 1 Regulates Colitis and Colitis-Associated Tumorigenesis by the Innate Immune Responses. Gastroenterology, 2010, 138, 1055-1067.e4.	1.3	50
107	Hyperactivity in novel environment with increased dopamine and impaired novelty preference in apoptosis signal-regulating kinase 1 (ASK1)-deficient mice. Neuroscience Research, 2010, 66, 313-320.	1.9	23
108	Critical role for apoptosis signal-regulating kinase 1 in the development of inflammatory K/BxN serum-induced arthritis. International Immunopharmacology, 2010, 10, 1170-1176.	3.8	31

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109	Mechanical stress modulates bone remodeling signals. , 2010, , 129-132.		0
110	å“ºä¹³é¡žçˆ°è£žã®ã‚¹ãƒˆãƒ¬ã‚¹ã•ã®ãƒ»ä¼é”æ©Ÿæ§‹ã¨ã‚Œã«è¡·å›ã™ã‚‹ç—¾æ£. Kagaku To Seibutsu, 2010, 48, 471-477	0.4	0
111	Oxidizable Residues Mediating Protein Stability and Cytoprotective Interaction of DJ-1 with Apoptosis Signal-regulating Kinase 1. Journal of Biological Chemistry, 2009, 284, 14245-14257.	3.4	130
112	Selective Activation of the p38 MAPK Pathway by Synthetic Monophosphoryl Lipid A. Journal of Biological Chemistry, 2009, 284, 31982-31991.	3.4	77
113	Serine 58 of 14-3-3Î¶ Is a Molecular Switch Regulating ASK1 and Oxidant Stress-Induced Cell Death. Molecular and Cellular Biology, 2009, 29, 4167-4176.	2.3	64
114	Critical Role of Apoptosis Signal-Regulating Kinase 1 in Aldosterone/Salt-Induced Cardiac Inflammation and Fibrosis. Hypertension, 2009, 54, 544-551.	2.7	67
115	Stress-Activated MAP Kinase Cascades in Cellular Senescence. Current Medicinal Chemistry, 2009, 16, 1229-1235.	2.4	77
116	Mitochondrial phosphoglycerate mutase 5 uses alternate catalytic activity as a protein serine/threonine phosphatase to activate ASK1. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 12301-12305.	7.1	132
117	Apoptosis signal-regulating kinase (ASK)-1 mediates apoptosis through activation of JNK1 following engagement of membrane immunoglobulin. Experimental Cell Research, 2009, 315, 3467-3476.	2.6	19
118	The roles of ASK family proteins in stress responses and diseases. Cell Communication and Signaling, 2009, 7, 9.	6.5	163
119	ASK1 and ASK2 differentially regulate the counteracting roles of apoptosis and inflammation in tumorigenesis. EMBO Journal, 2009, 28, 843-853.	7.8	119
120	A TNF- and c-Cbl-dependent FLIPS-degradation pathway and its function in Mycobacterium tuberculosisâ€“induced macrophage apoptosis. Nature Immunology, 2009, 10, 918-926.	14.5	66
121	USP14 inhibits ER-associated degradation via interaction with IRE1Î±. Biochemical and Biophysical Research Communications, 2009, 379, 995-1000.	2.1	39
122	Ubiquitin-like Sequence in ASK1 Plays Critical Roles in the Recognition and Stabilization by USP9X and Oxidative Stress-Induced Cell Death. Molecular Cell, 2009, 36, 805-818.	9.7	128
123	Targeting ASK1 in ER stress-related neurodegenerative diseases. Expert Opinion on Therapeutic Targets, 2009, 13, 653-664.	3.4	42
124	ASK1-p38 MAPK-p47phox activation is essential for inflammatory responses during tuberculosis via TLR2-ROS signalling. Cellular Microbiology, 2008, 10, 741-754.	2.1	122
125	Deletion of Apoptosis Signal-Regulating Kinase 1 Attenuates Acetaminophen-Induced Liver Injury by Inhibiting c-Jun N-Terminal Kinase Activation. Gastroenterology, 2008, 135, 1311-1321.	1.3	228
126	Redox control of cell fate by MAP kinase: physiological roles of ASK1-MAP kinase pathway in stress signaling. Biochimica Et Biophysica Acta - General Subjects, 2008, 1780, 1325-1336.	2.4	424

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127	Apoptosis Signal-Regulating Kinase 1 in Stress and Immune Response. Annual Review of Pharmacology and Toxicology, 2008, 48, 199-225.	9.4	207
128	Apoptosis Signal-Regulating Kinase 1/p38 Signaling Pathway Negatively Regulates Physiological Hypertrophy. Circulation, 2008, 117, 545-552.	1.6	52
129	Requirement of Reactive Oxygen Species-dependent Activation of ASK1-p38 MAPK Pathway for Extracellular ATP-induced Apoptosis in Macrophage. Journal of Biological Chemistry, 2008, 283, 7657-7665.	3.4	170
130	ALS-linked mutant SOD1 induces ER stress- and ASK1-dependent motor neuron death by targeting Derlin-1. Genes and Development, 2008, 22, 1451-1464.	5.9	432
131	Olmesartan Prevents Cardiovascular Injury and Hepatic Steatosis in Obesity and Diabetes, Accompanied by Apoptosis Signal Regulating Kinase-1 Inhibition. Hypertension, 2008, 52, 573-580.	2.7	94
132	Molecular Mechanism of Reactive Oxygen Species-dependent ASK1 Activation in Innate Immunity. Immune Network, 2008, 8, 1.	3.6	1
133	ASK1-dependent recruitment and activation of macrophages induce hair growth in skin wounds. Journal of Cell Biology, 2007, 176, 903-909.	5.2	77
134	Thioredoxin and TRAF Family Proteins Regulate Reactive Oxygen Species-Dependent Activation of ASK1 through Reciprocal Modulation of the N-Terminal Homophilic Interaction of ASK1. Molecular and Cellular Biology, 2007, 27, 8152-8163.	2.3	244
135	Apoptosis Signal-regulating Kinase (ASK) 2 Functions as a Mitogen-activated Protein Kinase Kinase Kinase in a Heteromeric Complex with ASK1. Journal of Biological Chemistry, 2007, 282, 7522-7531.	3.4	115
136	Apoptosis Signal-Regulating Kinase-1 Is Involved in Vascular Endothelial and Cardiac Remodeling Caused by Nitric Oxide Deficiency. Hypertension, 2007, 50, 519-524.	2.7	30
137	Novel Mechanism and Role of Angiotensin IIâ€"Induced Vascular Endothelial Injury in Hypertensive Diastolic Heart Failure. Arteriosclerosis, Thrombosis, and Vascular Biology, 2007, 27, 2569-2575.	2.4	70
138	Pathophysiological Roles of ASK1-MAP Kinase Signaling Pathways. BMB Reports, 2007, 40, 1-6.	2.4	173
139	Regulation of apoptosis signal-regulating kinase 1 by protein phosphatase 2Cï¡. Biochemical Journal, 2007, 405, 591-596.	3.7	40
140	ASK1 is activated by arsenic trioxide in leukemic cells through accumulation of reactive oxygen species and may play a negative role in induction of apoptosis. Biochemical and Biophysical Research Communications, 2007, 355, 1038-1044.	2.1	19
141	Important role of apoptosis signal-regulating kinase 1 in ischemic acute kidney injury. Biochemical and Biophysical Research Communications, 2007, 364, 1043-1049.	2.1	44
142	GTP Binding Is Essential to the Protein Kinase Activity of LRRK2, a Causative Gene Product for Familial Parkinson's Diseaseâ€. Biochemistry, 2007, 46, 1380-1388.	2.5	246
143	Chk2 kinase is required for methylglyoxalâ€induced G₂/M cellâ€cycle checkpoint arrest: implication of cellâ€cycle checkpoint regulation in diabetic oxidative stress signaling. Genes To Cells, 2007, 12, 919-928.	1.2	22
144	Stress signaling in cancer. Cancer Science, 2007, 98, 1521-1527.	3.9	26

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145	Interaction of ASK1 and the Î²-amyloid precursor protein in a stress-signaling complex. Neurobiology of Disease, 2007, 28, 65-75.	4.4	18
146	ASK Family Proteins in Stress Response and Disease. Molecular Biotechnology, 2007, 37, 13-18.	2.4	53
147	ASK1-dependent recruitment and activation of macrophages induce hair growth in skin wounds. Journal of Experimental Medicine, 2007, 204, i9-i9.	8.5	1
148	Role of Apoptosis Signal-Regulating Kinase 1 in Stress-Induced Neural Cell Apoptosis in Vivo. American Journal of Pathology, 2006, 168, 261-269.	3.8	104
149	ASKI Signalosome: a Signaling Complex Essential for Cellular Stress Responses. Journal of Oral Biosciences, 2006, 48, 7-11.	2.2	0
150	Release of RASSF1C from the nucleus by Daxx degradation links DNA damage and SAPK/JNK activation. EMBO Journal, 2006, 25, 3286-3297.	7.8	76
151	The ASK1â€"MAP kinase pathways in immune and stress responses. Microbes and Infection, 2006, 8, 1098-1107.	1.9	82
152	Apoptosis signal regulating kinase-1 connects reactive oxygen species to p38 MAPK-induced mitochondrial apoptosis in UVB-irradiated human keratinocytes. Free Radical Biology and Medicine, 2006, 41, 1361-1371.	2.9	84
153	Thioredoxin and protein kinases in redox signaling. Seminars in Cancer Biology, 2006, 16, 427-435.	9.6	132
154	Identification of Op18/stathmin as a potential target of ASK1-p38 MAP kinase cascade. Journal of Cellular Physiology, 2006, 206, 363-370.	4.1	32
155	The ASK1-MAP Kinase Signaling in ER Stress and Neurodegenerative Diseases. Current Molecular Medicine, 2006, 6, 87-97.	1.3	132
156	Cutting Edge: Apoptosis-Regulating Signal Kinase 1 Is Required for Reactive Oxygen Species-Mediated Activation of IFN Regulatory Factor 3 by Lipopolysaccharide. Journal of Immunology, 2006, 176, 5720-5724.	0.8	82
157	Direct Interaction and Reciprocal Regulation between ASK1 and Calcineurin-NFAT Control Cardiomyocyte Death and Growth. Molecular and Cellular Biology, 2006, 26, 3785-3797.	2.3	86
158	Apoptosis Signal-Regulating Kinase 1 Mediates Cellular Senescence Induced by High Glucose in Endothelial Cells. Diabetes, 2006, 55, 1660-1665.	0.6	144
159	Induction of a Ribotoxic Stress Response That Stimulates Stress-Activated Protein Kinases by 13-Deoxytedanolide, an Antitumor Marine Macrolide. Bioscience, Biotechnology and Biochemistry, 2006, 70, 161-171.	1.3	14
160	Impact of Mitochondrial Reactive Oxygen Species and Apoptosis Signal-Regulating Kinase 1 on Insulin Signaling. Diabetes, 2006, 55, 1197-1204.	0.6	111
161	ASK1 Signalosome: a Signaling Complex Essential for Cellular Stress Responses. Journal of Oral Biosciences, 2006, 48, 7-11.	2.2	0
162	Enhanced TNF-Î±â€"induced apoptosis in Fanconi anemia type Câ€"deficient cells is dependent on apoptosis signal-regulating kinase 1. Blood, 2005, 106, 4124-4130.	1.4	36

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163	ROS-dependent activation of the TRAF6-ASK1-p38 pathway is selectively required for TLR4-mediated innate immunity. Nature Immunology, 2005, 6, 587-592.	14.5	605
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