Hideki Nishitoh

List of Publications by Year
in descending order

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64 papers	11,506 citations	81900 39 h-index	118850 62 g-index
65 all docs	65 docs citations	65 times ranked	12101 citing authors

#	Article	IF	Citations
1	ERAD components Derlin-1 and Derlin-2 are essential for postnatal brain development and motor function. IScience, 2021, 24, 102758.	4.1	11
2	ER-resident sensor PERK is essential for mitochondrial thermogenesis in brown adipose tissue. Life Science Alliance, 2020, 3, e201900576.	2.8	27
3	Endoplasmic reticulum quality control by garbage disposal. FEBS Journal, 2019, 286, 232-240.	4.7	25
4	Monitoring Lipid Droplet Dynamics in Living Cells by Using Fluorescent Probes. Biochemistry, 2019, 58, 499-503.	2.5	54
5	Paradigm shift from â€˜Compartmentâ€™ to â€˜Zoneâ€™ in the understanding of organelles. Journal of Biochemistry, 2019, 165, 97-99.	1.7	6
6	Molecular mechanism of ER stress-induced pre-emptive quality control involving association of the translocon, Derlin-1, and HRD1. Scientific Reports, 2018, 8, 7317.	3.3	39
7	The Src/c-Abl pathway is a potential therapeutic target in amyotrophic lateral sclerosis. Science Translational Medicine, 2017, 9, .	12.4	182
8	Role of the unfolded protein response in the development of central nervous system. Journal of Biochemistry, 2017, 162, 155-162.	1.7	29
9	A mouse model reveals that Mfsd2a is critical for unfolded protein response upon exposure to tunicamycin. Human Cell, 2017, 30, 88-97.	2.7	6
10	RbAp48 is essential for viability of vertebrate cells and plays a role in chromosome stability. Chromosome Research, 2016, 24, 161-173.	2.2	12
11	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
12	Paired box gene 5 isoforms A and B have different functions in transcriptional regulation of B cell developmentâ€related genes in immature B cells. Microbiology and Immunology, 2015, 59, 426-431.	1.4	2
13	Stress Responses from the Endoplasmic Reticulum in Cancer. Frontiers in Oncology, 2015, 5, 93.	2.8	78
14	Histone acetyltransferase p300/CBPâ€associated factor is an effective suppressor of secretory immunoglobulin synthesis in immature B cells. Microbiology and Immunology, 2015, 59, 243-247.	1.4	1
15	Lack of GCN5 remarkably enhances the resistance against prolonged endoplasmic reticulum stress-induced apoptosis through up-regulation of Bcl-2 gene expression. Biochemical and Biophysical Research Communications, 2015, 463, 870-875.	2.1	10
16	Histone acetyltransferase PCAF is involved in transactivation of Bcl-6 and Pax5 genes in immature B cells. Biochemical and Biophysical Research Communications, 2015, 467, 509-513.	2.1	2
17	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
18	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

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19	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
20	Protein kinase CÎ¸ gene expression is oppositely regulated by GCN5 and EBF1 in immature B cells. FEBS Letters, 2014, 588, 1739-1742.	2.8	1
21	GCN5 is involved in regulation of immunoglobulin heavy chain gene expression in immature B cells. Gene, 2014, 544, 19-24.	2.2	6
22	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
23	SOD1 as a Molecular Switch for Initiating the Homeostatic ER Stress Response under Zinc Deficiency. Molecular Cell, 2013, 52, 75-86.	9.7	114
24	Signaling Pathways from the Endoplasmic Reticulum and Their Roles in Disease. Genes, 2013, 4, 306-333.	2.4	135
25	GCN5 is essential for IRF-4 gene expression followed by transcriptional activation of Blimp-1 in immature B cells. Journal of Leukocyte Biology, 2013, 95, 399-404.	3.3	13
26	CHOP is a multifunctional transcription factor in the ER stress response. Journal of Biochemistry, 2012, 151, 217-219.	1.7	385
27	GCN5 Protects Vertebrate Cells against UV-irradiation via Controlling Gene Expression of DNA Polymerase Î·*. Journal of Biological Chemistry, 2012, 287, 39842-39849.	3.4	17
28	STT3B-Dependent Posttranslational N-Glycosylation as a Surveillance System for Secretory Protein. Molecular Cell, 2012, 47, 99-110.	9.7	69
29	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
30	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
31	Apoptosis Signaling Kinases: From Stress Response to Health Outcomes. Antioxidants and Redox Signaling, 2011, 15, 719-761.	5.4	46
32	CHIP-dependent termination of MEKK2 regulates temporal ERK activation required for proper hyperosmotic response. EMBO Journal, 2010, 29, 2501-2514.	7.8	44
33	ASK1 and ASK2 differentially regulate the counteracting roles of apoptosis and inflammation in tumorigenesis. EMBO Journal, 2009, 28, 843-853.	7.8	119
34	USP14 inhibits ER-associated degradation via interaction with IRE1Î±. Biochemical and Biophysical Research Communications, 2009, 379, 995-1000.	2.1	39
35	Targeting ASK1 in ER stress-related neurodegenerative diseases. Expert Opinion on Therapeutic Targets, 2009, 13, 653-664.	3.4	42
36	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

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37	ER Quality Control and ER Stress-induced Cell Death in Neurodegenerative Diseases. Journal of Oral Biosciences, 2007, 49, 39-46.	2.2	0
38	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
39	Amyloid Î² induces neuronal cell death through ROS-mediated ASK1 activation. Cell Death and Differentiation, 2005, 12, 19-24.	11.2	369
40	Involvement of ASK1 in Ca 2+ â€induced p38 MAP kinase activation. EMBO Reports, 2004, 5, 161-166.	4.5	175
41	Life and Death under the ER Stress Condition. Journal of Oral Biosciences, 2004, 46, 259-269.	2.2	4
42	Survival and apoptosis signals in ER stress: the role of protein kinases. Journal of Chemical Neuroanatomy, 2004, 28, 93-100.	2.1	121
43	ASK1 regulates influenza virus infection-induced apoptotic cell death. Biochemical and Biophysical Research Communications, 2003, 307, 870-876.	2.1	51
44	The Cytoplasmic Domain of Alzheimer's Amyloid-Î² Protein Precursor Causes Sustained Apoptosis Signal-Regulating Kinase 1/c-Jun NH2-Terminal Kinase-Mediated Neurotoxic Signal via Dimerization. Journal of Pharmacology and Experimental Therapeutics, 2003, 306, 889-902.	2.5	70
45	Apoptosis Signal-Regulating Kinase 1â€“Mediated Signaling Pathway Regulates Nitric Oxideâ€“Induced Activator Protein-1 Activation in Human Bronchial Epithelial Cells. American Journal of Respiratory and Critical Care Medicine, 2003, 167, 856-861.	5.6	34
46	Apoptosis signal-regulating kinase 1-mediated signaling pathway regulates hydrogen peroxide-induced apoptosis in human pulmonary vascular endothelial cells. Critical Care Medicine, 2003, 31, 2776-2781.	0.9	49
47	Roles of MAPKKK ASK1 in Stress-Induced Cell Death.. Cell Structure and Function, 2003, 28, 23-29.	1.1	208
48	Map Kinases in Redox Signaling. , 2003, , 223-236.		0
49	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. Biochemical Journal, 2002, 368, 705-720.	3.7	118
50	ASK1 is essential for endoplasmic reticulum stress-induced neuronal cell death triggered by expanded polyglutamine repeats. Genes and Development, 2002, 16, 1345-1355.	5.9	1,200
51	Phosphorylation-dependent Scaffolding Role of JSAP1/JIP3 in the ASK1-JNK Signaling Pathway. Journal of Biological Chemistry, 2002, 277, 40703-40709.	3.4	89
52	Physiological Roles of ASK1-Mediated Signal Transduction in Oxidative Stress- and Endoplasmic Reticulum Stress-Induced Apoptosis: Advanced Findings from ASK1 Knockout Mice. Antioxidants and Redox Signaling, 2002, 4, 415-425.	5.4	224
53	ASK1 is required for sustained activations of JNK/p38 MAP kinases and apoptosis. EMBO Reports, 2001, 2, 222-228.	4.5	1,103
54	Negative feedback regulation of ASK1 by protein phosphatase 5 (PP5) in response to oxidative stress. EMBO Journal, 2001, 20, 6028-6036.	7.8	277

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55	ASK1 Inhibits Interleukin-1-induced NF-Î¹B Activity through Disruption of TRAF6-TAK1 Interaction. Journal of Biological Chemistry, 2000, 275, 32747-32752.	3.4	52
56	Activation of Apoptosis Signal-Regulating Kinase 1 (ASK1) by Tumor Necrosis Factor Receptor-Associated Factor 2 Requires Prior Dissociation of the ASK1 Inhibitor Thioredoxin. Molecular and Cellular Biology, 2000, 20, 2198-2208.	2.3	492
57	Apoptosis Signal-regulating Kinase 1 (ASK1) Induces Neuronal Differentiation and Survival of PC12 Cells. Journal of Biological Chemistry, 2000, 275, 9805-9813.	3.4	152
58	Mammalian thioredoxin is a direct inhibitor of apoptosis signal-regulating kinase (ASK) 1. EMBO Journal, 1998, 17, 2596-2606.	7.8	2,150
59	ASK1 Is Essential for JNK/SAPK Activation by TRAF2. Molecular Cell, 1998, 2, 389-395.	9.7	625
60	Activation of Apoptosis Signal-Regulating Kinase 1 (ASK1) by the Adapter Protein Daxx. , 1998, 281, 1860-1863.		550
61	Identification of a Novel Bone Morphogenetic Protein-responsive Gene That May Function as a Noncoding RNA. Journal of Biological Chemistry, 1998, 273, 17079-17085.	3.4	49
62	Growth/Differentiation Factor-5 Induces Angiogenesisin Vivo. Experimental Cell Research, 1997, 235, 218-226.	2.6	99
63	Identification of Important Regions in the Cytoplasmic Juxtamembrane Domain of Type I Receptor That Separate Signaling Pathways of Transforming Growth Factor-Î². Journal of Biological Chemistry, 1996, 271, 2769-2775.	3.4	99
64	Identification of Type I and Type II Serine/Threonine Kinase Receptors for Growth/Differentiation Factor-5. Journal of Biological Chemistry, 1996, 271, 21345-21352.	3.4	292