

Hideki Nishitoh

List of Publications by Year in descending order

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64
papers

11,506
citations

81839

39
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118793

62
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65
all docs

65
docs citations

65
times ranked

12101
citing authors

#	ARTICLE	IF	CITATIONS
1	Mammalian thioredoxin is a direct inhibitor of apoptosis signal-regulating kinase (ASK) 1. EMBO Journal, 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. Genes and Development, 2002, 16, 1345-1355.	2.7	1,200
3	ASK1 is required for sustained activations of JNK/p38 MAP kinases and apoptosis. EMBO Reports, 2001, 2, 222-228.	2.0	1,103
4	ASK1 Is Essential for JNK/SAPK Activation by TRAF2. Molecular Cell, 1998, 2, 389-395.	4.5	625
5	ROS-dependent activation of the TRAF6-ASK1-p38 pathway is selectively required for TLR4-mediated innate immunity. Nature Immunology, 2005, 6, 587-592.	7.0	605
6	Activation of Apoptosis Signal-Regulating Kinase 1 (ASK1) by the Adapter Protein Daxx. , 1998, 281, 1860-1863.		550
7	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.	1.1	492
8	ALS-linked mutant SOD1 induces ER stress- and ASK1-dependent motor neuron death by targeting Derlin-1. Genes and Development, 2008, 22, 1451-1464.	2.7	432
9	CHOP is a multifunctional transcription factor in the ER stress response. Journal of Biochemistry, 2012, 151, 217-219.	0.9	385
10	Amyloid β induces neuronal cell death through ROS-mediated ASK1 activation. Cell Death and Differentiation, 2005, 12, 19-24.	5.0	369
11	Identification of Type I and Type II Serine/Threonine Kinase Receptors for Growth/Differentiation Factor-5. Journal of Biological Chemistry, 1996, 271, 21345-21352.	1.6	292
12	Negative feedback regulation of ASK1 by protein phosphatase 5 (PP5) in response to oxidative stress. EMBO Journal, 2001, 20, 6028-6036.	3.5	277
13	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.	2.5	224
14	Roles of MAPKKK ASK1 in Stress-Induced Cell Death.. Cell Structure and Function, 2003, 28, 23-29.	0.5	208
15	The Src/c-Abl pathway is a potential therapeutic target in amyotrophic lateral sclerosis. Science Translational Medicine, 2017, 9, .	5.8	182
16	Involvement of ASK1 in Ca ²⁺ -induced p38 MAP kinase activation. EMBO Reports, 2004, 5, 161-166.	2.0	175
17	Apoptosis Signal-regulating Kinase 1 (ASK1) Induces Neuronal Differentiation and Survival of PC12 Cells. Journal of Biological Chemistry, 2000, 275, 9805-9813.	1.6	152
18	Signaling Pathways from the Endoplasmic Reticulum and Their Roles in Disease. Genes, 2013, 4, 306-333.	1.0	135

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19	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
20	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
21	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
22	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
23	Identification of Important Regions in the Cytoplasmic Juxtamembrane Domain of Type I Receptor That Separate Signaling Pathways of Transforming Growth Factor- β 2. <i>Journal of Biological Chemistry</i> , 1996, 271, 2769-2775.	1.6	99
24	Growth/Differentiation Factor-5 Induces Angiogenesis in Vivo. <i>Experimental Cell Research</i> , 1997, 235, 218-226.	1.2	99
25	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
26	Stress Responses from the Endoplasmic Reticulum in Cancer. <i>Frontiers in Oncology</i> , 2015, 5, 93.	1.3	78
27	The Cytoplasmic Domain of Alzheimer's Amyloid- β 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
28	STT3B-Dependent Posttranslational N-Glycosylation as a Surveillance System for Secretory Protein. <i>Molecular Cell</i> , 2012, 47, 99-110.	4.5	69
29	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
30	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
31	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
32	Monitoring Lipid Droplet Dynamics in Living Cells by Using Fluorescent Probes. <i>Biochemistry</i> , 2019, 58, 499-503.	1.2	54
33	ASK1 Inhibits Interleukin-1-induced NF- κ B Activity through Disruption of TRAF6-TAK1 Interaction. <i>Journal of Biological Chemistry</i> , 2000, 275, 32747-32752.	1.6	52
34	ASK1 regulates influenza virus infection-induced apoptotic cell death. <i>Biochemical and Biophysical Research Communications</i> , 2003, 307, 870-876.	1.0	51
35	Identification of a Novel Bone Morphogenetic Protein-responsive Gene That May Function as a Noncoding RNA. <i>Journal of Biological Chemistry</i> , 1998, 273, 17079-17085.	1.6	49
36	Apoptosis signal-regulating kinase 1-mediated signaling pathway regulates hydrogen peroxide-induced apoptosis in human pulmonary vascular endothelial cells. <i>Critical Care Medicine</i> , 2003, 31, 2776-2781.	0.4	49

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37	Apoptosis Signaling Kinases: From Stress Response to Health Outcomes. <i>Antioxidants and Redox Signaling</i> , 2011, 15, 719-761.	2.5	46
38	CHIP-dependent termination of MEKK2 regulates temporal ERK activation required for proper hyperosmotic response. <i>EMBO Journal</i> , 2010, 29, 2501-2514.	3.5	44
39	Targeting ASK1 in ER stress-related neurodegenerative diseases. <i>Expert Opinion on Therapeutic Targets</i> , 2009, 13, 653-664.	1.5	42
40	The ASK1-specific inhibitors K811 and K812 prolong survival in a mouse model of amyotrophic lateral sclerosis. <i>Human Molecular Genetics</i> , 2016, 25, 245-253.	1.4	40
41	USP14 inhibits ER-associated degradation via interaction with IRE1 β . <i>Biochemical and Biophysical Research Communications</i> , 2009, 379, 995-1000.	1.0	39
42	Molecular mechanism of ER stress-induced pre-emptive quality control involving association of the translocon, Derlin-1, and HRD1. <i>Scientific Reports</i> , 2018, 8, 7317.	1.6	39
43	The Expression of Fn14 via Mechanical Stress-activated JNK Contributes to Apoptosis Induction in Osteoblasts. <i>Journal of Biological Chemistry</i> , 2014, 289, 6438-6450.	1.6	37
44	Apoptosis Signal-Regulating Kinase 1 α -Mediated Signaling Pathway Regulates Nitric Oxide α -Induced Activator Protein-1 Activation in Human Bronchial Epithelial Cells. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2003, 167, 856-861.	2.5	34
45	Role of the unfolded protein response in the development of central nervous system. <i>Journal of Biochemistry</i> , 2017, 162, 155-162.	0.9	29
46	ER-resident sensor PERK is essential for mitochondrial thermogenesis in brown adipose tissue. <i>Life Science Alliance</i> , 2020, 3, e201900576.	1.3	27
47	Endoplasmic reticulum quality control by garbage disposal. <i>FEBS Journal</i> , 2019, 286, 232-240.	2.2	25
48	Involvement of ASK1 α -p38 pathway in the pathogenesis of diabetes triggered by pancreatic β cell exhaustion. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013, 1830, 3656-3663.	1.1	23
49	GCN5 Protects Vertebrate Cells against UV-irradiation via Controlling Gene Expression of DNA Polymerase δ . <i>Journal of Biological Chemistry</i> , 2012, 287, 39842-39849.	1.6	17
50	GCN5 is essential for IRF-4 gene expression followed by transcriptional activation of Blimp-1 in immature B cells. <i>Journal of Leukocyte Biology</i> , 2013, 95, 399-404.	1.5	13
51	RbAp48 is essential for viability of vertebrate cells and plays a role in chromosome stability. <i>Chromosome Research</i> , 2016, 24, 161-173.	1.0	12
52	ERAD components Derlin-1 and Derlin-2 are essential for postnatal brain development and motor function. <i>iScience</i> , 2021, 24, 102758.	1.9	11
53	Lack of GCN5 remarkably enhances the resistance against prolonged endoplasmic reticulum stress-induced apoptosis through up-regulation of Bcl-2 gene expression. <i>Biochemical and Biophysical Research Communications</i> , 2015, 463, 870-875.	1.0	10
54	A systematic immunoprecipitation approach reinforces the concept of common conformational alterations in amyotrophic lateral sclerosis-linked SOD1 mutants. <i>Neurobiology of Disease</i> , 2015, 82, 478-486.	2.1	7

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55	GCN5 is involved in regulation of immunoglobulin heavy chain gene expression in immature B cells. <i>Gene</i> , 2014, 544, 19-24.	1.0	6
56	A mouse model reveals that Mfsd2a is critical for unfolded protein response upon exposure to tunicamycin. <i>Human Cell</i> , 2017, 30, 88-97.	1.2	6
57	Paradigm shift from "Compartment"™ to "Zone"™ in the understanding of organelles. <i>Journal of Biochemistry</i> , 2019, 165, 97-99.	0.9	6
58	Life and Death under the ER Stress Condition. <i>Journal of Oral Biosciences</i> , 2004, 46, 259-269.	0.8	4
59	Paired box gene 5 isoforms A and B have different functions in transcriptional regulation of B cell development-related genes in immature B cells. <i>Microbiology and Immunology</i> , 2015, 59, 426-431.	0.7	2
60	Histone acetyltransferase PCAF is involved in transactivation of Bcl-6 and Pax5 genes in immature B cells. <i>Biochemical and Biophysical Research Communications</i> , 2015, 467, 509-513.	1.0	2
61	Protein kinase C δ gene expression is oppositely regulated by GCN5 and EBF1 in immature B cells. <i>FEBS Letters</i> , 2014, 588, 1739-1742.	1.3	1
62	Histone acetyltransferase p300/CBP-associated factor is an effective suppressor of secretory immunoglobulin synthesis in immature B cells. <i>Microbiology and Immunology</i> , 2015, 59, 243-247.	0.7	1
63	ER Quality Control and ER Stress-induced Cell Death in Neurodegenerative Diseases. <i>Journal of Oral Biosciences</i> , 2007, 49, 39-46.	0.8	0
64	Map Kinases in Redox Signaling. , 2003, , 223-236.		0