Hidenori Ito

List of Publications by Citations

94 papers	2,558 citations	29 h-index	45 g-index
100 ext. papers	2,776 ext. citations	4.4 avg, IF	4.31 L-index

#	Paper	IF	Citations
94	Phosphorylation of alphaB-crystallin in response to various types of stress. *Journal of Biological Chemistry*, **1997**, 272, 29934-41	5.4	165
93	Modulation of the stress-induced synthesis of hsp27 and alpha B-crystallin by cyclic AMP in C6 rat glioma cells. *Journal of Neurochemistry*, **1996**, 66, 946-50	6	149
92	Phosphorylation-induced change of the oligomerization state of alpha B-crystallin. *Journal of Biological Chemistry*, **2001**, 276, 5346-52	5.4	145
91	Phosphorylation of alphaB-crystallin in mitotic cells and identification of enzymatic activities responsible for phosphorylation. *Journal of Biological Chemistry*, **1998**, 273, 28346-54	5.4	105
90	Stimulation of the stress-induced expression of stress proteins by curcumin in cultured cells and in rat tissues in vivo. *Cell Stress and Chaperones*, **1998**, 3, 152-60	4	84
89	Regulation of the levels of small heat-shock proteins during differentiation of C2C12 cells. *Experimental Cell Research*, **2001**, 266, 213-21	4.2	59
88	Responses of heat shock proteins hsp27, alphaB-crystallin, and hsp70 in rat brain after kainic acid-induced seizure activity. *Journal of Neurochemistry*, **1999**, 73, 229-36	6	56
87	Possible role of Rho/Rhotekin signaling in mammalian septin organization. *Oncogene*, **2005**, 24, 7064-72	9.2	55
86	Inhibition of proteasomes induces accumulation, phosphorylation, and recruitment of HSP27 and alphaB-crystallin to aggresomes. *Journal of Biochemistry*, **2002**, 131, 593-603	3.1	55
85	Septin 14 is involved in cortical neuronal migration via interaction with Septin 4. *Molecular Biology of the Cell*, **2010**, 21, 1324-34	3.5	54
84	Brain-derived neurotrophic factor, nerve growth and neurotrophin-3 selected regions of the rat brain following kainic acid-induced seizure activity. *Neuroscience Research*, **1999**, 35, 19-29	2.9	53
83	Sept8 controls the binding of vesicle-associated membrane protein 2 to synaptophysin. *Journal of Neurochemistry*, **2009**, 108, 867-80	6	49
82	Induction of the synthesis of hsp27 and alpha B crystallin in tissues of heat-stressed rats and its suppression by ethanol or an alpha 1-adrenergic antagonist. *Journal of Biochemistry*, **1995**, 117, 1238-43	3.1	49
81	Dose-dependent biochemical changes in rat central nervous system after 12-week exposure to 1-bromopropane. *NeuroToxicology*, **2003**, 24, 199-206	4.4	44
80	Synthesis and accumulation of alphaB crystallin in C6 glioma cells is induced by agents that promote the disassembly of microtubules. *Journal of Biological Chemistry*, **1996**, 271, 26989-94	5.4	44
79	Biochemical changes in the central nervous system of rats exposed to 1-bromopropane for seven days. *Toxicological Sciences*, **2002**, 67, 114-20	4.4	42
78	Enhancement of expression of stress proteins by agents that lower the levels of glutathione in cells. *Biochimica Et Biophysica Acta Gene Regulatory Mechanisms*, **1998**, 1397, 223-30		41

77	Essential role of the nuclear isoform of RBFOX1, a candidate gene for autism spectrum disorders, in the brain development. *Scientific Reports*, **2016**, 6, 30805	4.9	41
76	Role of the cytoplasmic isoform of RBFOX1/A2BP1 in establishing the architecture of the developing cerebral cortex. *Molecular Autism*, **2015**, 6, 56	6.5	40
75	Ser-59 is the major phosphorylation site in alphaB-crystallin accumulated in the brains of patients with Alexander's disease. *Journal of Neurochemistry*, **2001**, 76, 730-6	6	40
74	A survey on exposure level, health status, and biomarkers in workers exposed to 1-bromopropane. *American Journal of Industrial Medicine*, **2004**, 45, 63-75	2.7	40
73	Innervation-dependent phosphorylation and accumulation of alphaB-crystallin and Hsp27 as insoluble complexes in disused muscle. *FASEB Journal*, **2002**, 16, 1432-4	0.9	39
72	SEPT9 sequence alternations causing hereditary neuralgic amyotrophy are associated with altered interactions with SEPT4/SEPT11 and resistance to Rho/Rhotekin-signaling. *Human Mutation*, **2007**, 28, 1005-13	4.7	38
71	Protein kinase inhibitors can suppress stress-induced dissociation of Hsp27. *Cell Stress and Chaperones*, **2001**, 6, 16-20	4	37
70	Sphingosine 1-phosphate induces heat shock protein 27 via p38 mitogen-activated protein kinase activation in osteoblasts. *Journal of Bone and Mineral Research*, **1999**, 14, 1761-7	6.3	36
69	Possible role of a septin, SEPT1, in spreading in squamous cell carcinoma DJM-1 cells. *Biological Chemistry*, **2013**, 394, 281-90	4.5	35
68	Mechanism of simvastatin on induction of heat shock protein in osteoblasts. *Archives of Biochemistry and Biophysics*, **2003**, 415, 6-13	4.1	35
67	Sphingosine 1-phosphate regulates heat shock protein 27 induction by a p38 MAP kinase-dependent mechanism in aortic smooth muscle cells. *Experimental Cell Research*, **1999**, 250, 376-80	4.2	35
66	Endoplasmic reticulum stress induces the phosphorylation of small heat shock protein, Hsp27. *Journal of Cellular Biochemistry*, **2005**, 95, 932-41	4.7	34
65	Identification of a cell polarity-related protein, Lin-7B, as a binding partner for a Rho effector, Rhotekin, and their possible interaction in neurons. *Neuroscience Research*, **2006**, 56, 347-55	2.9	28
64	Upregulation by retinoic acid of transforming growth factor-beta-stimulated heat shock protein 27 induction in osteoblasts: involvement of mitogen-activated protein kinases. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2002**, 1589, 15-30	4.9	28
63	SIL1, a causative cochaperone gene of Marinesco-Sjögren syndrome, plays an essential role in establishing the architecture of the developing cerebral cortex. *EMBO Molecular Medicine*, **2014**, 6, 414-29	12	26
62	Incadronate amplifies prostaglandin F2 alpha-induced vascular endothelial growth factor synthesis in osteoblasts. Enhancement of MAPK activity. *Journal of Biological Chemistry*, **2003**, 278, 18930-7	5.4	26
61	AlphaB-crystallin phosphorylated at Ser-59 is localized in centrosomes and midbodies during mitosis. *European Journal of Cell Biology*, **2001**, 80, 741-8	6.1	26
60	Mechanism of prostaglandin D(2)-stimulated heat shock protein 27 induction in osteoblasts. *Cellular Signalling*, **2001**, 13, 535-41	4.9	26

59	Interaction of a multi-domain adaptor protein, vinexin, with a Rho-effector, Rhotekin. *Medical Molecular Morphology*, **2009**, 42, 9-15	2.3	24
58	Characterization of a multidomain adaptor protein, p140Cap, as part of a pre-synaptic complex. *Journal of Neurochemistry*, **2008**, 107, 61-72	6	24
57	Application of in utero electroporation and live imaging in the analyses of neuronal migration during mouse brain development. *Medical Molecular Morphology*, **2012**, 45, 1-6	2.3	23
56	A heat shock-related protein, p20, plays an inhibitory role in platelet activation. *FEBS Letters*, **1998**, 429, 327-9	3.8	23
55	p38 MAP kinase is required for vasopressin-stimulated HSP27 induction in aortic smooth muscle cells. *Hypertension*, **2000**, 35, 673-8	8.5	23
54	Phosphorylation by extracellular signal-regulated kinase of a multidomain adaptor protein, vinexin, at synapses. *Journal of Neurochemistry*, **2007**, 100, 545-54	6	22
53	Vasopressin stimulates the induction of heat shock protein 27 and alphaB-crystallin via protein kinase C activation in vascular smooth muscle cells. *Experimental Cell Research*, **1999**, 246, 327-37	4.2	22
52	Modulation of the arsenite-induced expression of stress proteins by reducing agents. *Cell Stress and Chaperones*, **1997**, 2, 199-209	4	22
51	Thrombin stimulates dissociation and induction of HSP27 via p38 MAPK in vascular smooth muscle cells. *American Journal of Physiology - Heart and Circulatory Physiology*, **2002**, 283, H941-8	5.2	21
50	Enhancement of stress-induced synthesis of hsp27 and alpha B crystallin by modulators of the arachidonic acid cascade. *Journal of Cellular Physiology*, **1996**, 166, 332-9	7	21
49	Identification of a PDZ protein, PIST, as a binding partner for Rho effector Rhotekin: biochemical and cell-biological characterization of Rhotekin-PIST interaction. *Biochemical Journal*, **2006**, 397, 389-98	3.8	20
48	The loss of susceptibility to apoptosis in exudated tissue neutrophils is associated with their nuclear factor-kappa B activation. *European Journal of Pharmacology*, **2001**, 433, 17-27	5.3	19
47	Expression and phosphorylation of mammalian small heat shock proteins. *Progress in Molecular and Subcellular Biology*, **2002**, 28, 129-50	3	19
46	Establishment of an in vivo electroporation method into postnatal newborn neurons in the dentate gyrus. *Hippocampus*, **2014**, 24, 1449-57	3.5	17
45	AlphaB-crystallin in the rat lens is phosphorylated at an early post-natal age. *FEBS Letters*, **1999**, 446, 269-72	3.8	17
44	The SWI/SNF subunit/tumor suppressor BAF47/INI1 is essential in cell cycle arrest upon skeletal muscle terminal differentiation. *PLoS ONE*, **2014**, 9, e108858	3.7	16
43	Prostaglandins stimulate the stress-induced synthesis of hsp27 and alpha B crystallin. *Journal of Cellular Physiology*, **1997**, 170, 255-62	7	16
42	Methotrexate enhances prostaglandin D2-stimulated heat shock protein 27 induction in osteoblasts. *Prostaglandins Leukotrienes and Essential Fatty Acids*, **2004**, 71, 351-62	2.8	16

41	Biochemical and Morphological Characterization of a Neurodevelopmental Disorder-Related Mono-ADP-Ribosylhydrolase, MACRO Domain Containing 2. *Developmental Neuroscience*, **2018**, 40, 278-287	2.2	16
40	Phosphorylation of neuroglycan C, a brain-specific transmembrane chondroitin sulfate proteoglycan, and its localization in the lipid rafts. *Journal of Biological Chemistry*, **2002**, 277, 20583-90	5.4	15
39	Cell biological characterization of a multidomain adaptor protein, ArgBP2, in epithelial NMuMG cells, and identification of a novel short isoform. *Medical Molecular Morphology*, **2012**, 45, 22-8	2.3	14
38	Biochemical and morphological characterization of A2BP1 in neuronal tissue. *Journal of Neuroscience Research*, **2013**, 91, 1303-11	4.4	14
37	Expression of smooth muscle cell-specific proteins in neural progenitor cells induced by agonists of G protein-coupled receptors and transforming growth factor-beta. *Journal of Neurochemistry*, **2007**, 101, 1031-40	6	14
36	Reversibility of the adverse effects of 1-bromopropane exposure in rats. *Toxicological Sciences*, **2007**, 100, 504-12	4.4	14
35	Modulation of the stress-induced synthesis of stress proteins by a phorbol ester and okadaic acid. *Journal of Biochemistry*, **1995**, 118, 629-34	3.1	14
34	Autism spectrum disorder-associated genes and the development of dentate granule cells. *Medical Molecular Morphology*, **2017**, 50, 123-129	2.3	13
33	Role of Per3, a circadian clock gene, in embryonic development of mouse cerebral cortex. *Scientific Reports*, **2019**, 9, 5874	4.9	13
32	Possible interaction of a Rho effector, Rhotekin, with a PDZ-protein, PIST, at synapses of hippocampal neurons. *Neuroscience Research*, **2006**, 56, 165-71	2.9	13
31	Involvement of p38 mitogen-activated protein kinase in heat shock protein 27 induction in human neutrophils. *European Journal of Pharmacology*, **2003**, 466, 245-53	5.3	13
30	Biochemical and morphological characterization of MAGI-1 in neuronal tissue. *Journal of Neuroscience Research*, **2012**, 90, 1776-81	4.4	12
29	De novo PHACTR1 mutations in West syndrome and their pathophysiological effects. *Brain*, **2018**, 141, 3098-3114	11.2	12
28	Role of an adaptor protein Lin-7B in brain development: possible involvement in autism spectrum disorders. *Journal of Neurochemistry*, **2015**, 132, 61-9	6	11
27	Preliminary characterization of a murine model for 1-bromopropane neurotoxicity: Role of cytochrome P450. *Toxicology Letters*, **2016**, 258, 249-258	4.4	10
26	Morphological characterization of Class III phosphoinositide 3-kinase during mouse brain development. *Medical Molecular Morphology*, **2016**, 49, 28-33	2.3	9
25	Involvement of Gq/11 in both integrin signal-dependent and -independent pathways regulating endothelin-induced neural progenitor proliferation. *Neuroscience Research*, **2007**, 59, 205-14	2.9	9
24	Nordihydroguaiaretic acid (NDGA) blocks the differentiation of C2C12 myoblast cells. *Journal of Cellular Physiology*, **2005**, 202, 874-9	7	9

23	Involvement of p42/p44 mitogen-activated protein kinase in prostaglandin f2ßtimulated induction of heat shock protein 27 in osteoblasts. *Journal of Cellular Biochemistry*, **1999**, 75, 610-619	4.7	9
22	Contrasting effects of midazolam on induction of heat shock protein 27 by vasopressin and heat in aortic smooth muscle cells. *Journal of Cellular Biochemistry*, **2001**, 84, 39-46	4.7	8
21	TNF-alpha decreases hsp 27 in human blood mononuclear cells: involvement of protein kinase c. *Life Sciences*, **2006**, 80, 181-6	6.8	7
20	Enhancement of stress-induced synthesis of stress proteins by mastoparan in C6 rat glioma cells. *Journal of Biochemistry*, **1995**, 118, 149-53	3.1	7
19	Expression Analyses of POGZ, A Responsible Gene for Neurodevelopmental Disorders, during Mouse Brain Development. *Developmental Neuroscience*, **2019**, 41, 139-148	2.2	6
18	de novo gain-of-function mutation in a patient with a novel megalencephaly syndrome. *Journal of Medical Genetics*, **2019**, 56, 388-395	5.8	6
17	Expression analyses of Phactr1 (phosphatase and actin regulator 1) during mouse brain development. *Neuroscience Research*, **2018**, 128, 50-57	2.9	6
16	Morphological characterization of mammalian timeless in the mouse brain development. *Neuroscience Research*, **2015**, 92, 21-8	2.9	5
15	Localization of multidomain adaptor proteins, p140Cap and vinexin, in the pancreatic islet of a spontaneous diabetes mellitus model, Otsuka Long-Evans Tokushima Fatty rats. *Medical Molecular Morphology*, **2013**, 46, 41-8	2.3	5
14	MAGI-1 acts as a scaffolding molecule for NGF receptor-mediated signaling pathway. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2013**, 1833, 2302-10	4.9	5
13	Possible roles of vinexinbeta in growth and paclitaxel sensitivity in human prostate cancer PC-3 cells. *Cancer Biology and Therapy*, **2007**, 6, 1800-4	4.6	5
12	Localization of septin 8 in murine retina, and spatiotemporal expression of septin 8 in a murine model of photoreceptor cell degeneration. *Neuroscience Letters*, **2007**, 423, 205-10	3.3	5
11	Rho family GTPases, Rac and Cdc42, control the localization of neonatal dentate granule cells during brain development. *Hippocampus*, **2019**, 29, 569-578	3.5	5
10	Biochemical and morphological characterization of SEPT1 in mouse brain. *Medical Molecular Morphology*, **2020**, 53, 221-228	2.3	4
9	Functions of Rhotekin, an Effector of Rho GTPase, and Its Binding Partners in Mammals. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	4
8	Neuropathophysiological significance of the c.1449T>C/p.(Tyr64Cys) mutation in the CDC42 gene responsible for Takenouchi-Kosaki syndrome. *Biochemical and Biophysical Research Communications* , **2020**, 529, 1033-1037	3.4	4
7	Schizophrenia susceptibility gene product dysbindin-1 regulates the homeostasis of cyclin D1. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2016**, 1862, 1383-91	6.9	4
6	Biochemical and Morphological Characterization of a Guanine Nucleotide Exchange Factor ARHGEF9 in Mouse Tissues. *Acta Histochemica Et Cytochemica*, **2018**, 51, 119-128	1.9	3

5	Expression analyses of PLEKHG2, a Rho family-specific guanine nucleotide exchange factor, during mouse brain development. *Medical Molecular Morphology*, **2021**, 54, 146-155	2.3	2
4	Possible involvement of a cell adhesion molecule, Migfilin, in brain development and pathogenesis of autism spectrum disorders. *Journal of Neuroscience Research*, **2018**, 96, 789-802	4.4	2
3	Expression analyses of Rac3, a Rho family small GTPase, during mouse brain development. *Developmental Neuroscience*, **2021**,	2.2	1
2	Physiological significance of WDR45, a responsible gene for β-propeller protein associated neurodegeneration (BPAN), in brain development. *Scientific Reports*, **2021**, 11, 22568	4.9	0
1	The synaptic scaffolding protein CNKSR2 interacts with CYTH2 to mediate hippocampal granule cell development. *Journal of Biological Chemistry*, **2021**, 297, 101427	5.4	0