

Kazuhiro Sakamaki

List of Publications by Year in descending order

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54
papers

2,630
citations

236925

25
h-index

182427

51
g-index

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all docs

54
docs citations

54
times ranked

3249
citing authors

#	ARTICLE	IF	CITATIONS
1	Dysregulation of a potassium channel, THIK-1, targeted by caspase-8 accelerates cell shrinkage. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2016, 1863, 2766-2783.	4.1	7
2	Functional conservation of the apoptotic machinery from coral to man: the diverse and complex Bcl-2 and caspase repertoires of <i>Acropora millepora</i> . <i>BMC Genomics</i> , 2016, 17, 62.	2.8	45
3	Conservation of structure and function in vertebrate c-FLIP proteins despite rapid evolutionary change. <i>Biochemistry and Biophysics Reports</i> , 2015, 3, 175-189.	1.3	5
4	Evolutionary analyses of caspase-8 and its paralogs: Deep origins of the apoptotic signaling pathways. <i>BioEssays</i> , 2015, 37, 767-776.	2.5	48
5	The Apoptotic Initiator Caspase-8: Its Functional Ubiquity and Genetic Diversity during Animal Evolution. <i>Molecular Biology and Evolution</i> , 2014, 31, 3282-3301.	8.9	25
6	Transgenic <i>Xenopus laevis</i> for live imaging in cell and developmental biology. <i>Development Growth and Differentiation</i> , 2013, 55, 422-433.	1.5	33
7	Multiple functions of FADD in apoptosis, NF- κ B-related signaling, and heart development in <i>Xenopus</i> embryos. <i>Genes To Cells</i> , 2012, 17, 875-896.	1.2	6
8	The molecular mechanism of apoptosis upon caspase-8 activation: Quantitative experimental validation of a mathematical model. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2012, 1823, 1825-1840.	4.1	47
9	In Vivo Imaging of Hierarchical Spatiotemporal Activation of Caspase-8 during Apoptosis. <i>PLoS ONE</i> , 2012, 7, e50218.	2.5	22
10	Expression and Function of Apoptosis Initiator FOXO3 in Granulosa Cells During Follicular Atresia in Pig Ovaries. <i>Journal of Reproduction and Development</i> , 2011, 57, 151-158.	1.4	34
11	Caspase-8 cleavage of the interleukin-21 (IL-21) receptor is a negative feedback regulator of IL-21 signaling. <i>FEBS Letters</i> , 2011, 585, 1835-1840.	2.8	7
12	Caspases: evolutionary aspects of their functions in vertebrates. <i>Journal of Fish Biology</i> , 2009, 74, 727-753.	1.6	110
13	Changes in Expression and Localization of X-linked Inhibitor of Apoptosis Protein (XIAP) in Follicular Granulosa Cells During Atresia in Porcine Ovaries. <i>Journal of Reproduction and Development</i> , 2008, 54, 454-459.	1.4	17
14	cFLIP Regulates Death Receptor-mediated Apoptosis in an Ovarian Granulosa Cell Line by Inhibiting Procaspase-8 Cleavage. <i>Journal of Reproduction and Development</i> , 2008, 54, 314-320.	1.4	27
15	Oocyte growth and follicular development in KIT-deficient Fas-knockout mice. <i>Reproduction</i> , 2007, 133, 117-125.	2.6	53
16	Conserved function of caspase-8 in apoptosis during bony fish evolution. <i>Gene</i> , 2007, 396, 134-148.	2.2	49
17	Molecular Characteristics of Porcine Fas-associated Death Domain (FADD) and Procaspase-8. <i>Journal of Reproduction and Development</i> , 2007, 53, 427-436.	1.4	18
18	The evolutionary conservation of the core components necessary for the extrinsic apoptotic signaling pathway, in Medaka fish. <i>BMC Genomics</i> , 2007, 8, 141.	2.8	32

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19	Anti-apoptotic activity of porcine cFLIP in ovarian granulosa cell lines. <i>Molecular Reproduction and Development</i> , 2007, 74, 1165-1170.	2.0	22
20	Functional demonstration of the ability of a primary spermatogonium as a stem cell by tracing a single cell destiny in <i>Xenopus laevis</i> . <i>Development Growth and Differentiation</i> , 2006, 48, 525-535.	1.5	11
21	The initiator caspase, caspase-10 ^{Δ2} , and the BH-3-only molecule, Bid, demonstrate evolutionary conservation in <i>Xenopus</i> of their pro-apoptotic activities in the extrinsic and intrinsic pathways. <i>Genes To Cells</i> , 2006, 11, 701-717.	1.2	15
22	Transgenic <i>Xenopus laevis</i> strain expressing cre recombinase in muscle cells. <i>Developmental Dynamics</i> , 2006, 235, 2220-2228.	1.8	25
23	Transgenic frogs expressing the highly fluorescent protein venus under the control of a strong mammalian promoter suitable for monitoring living cells. <i>Developmental Dynamics</i> , 2005, 233, 562-569.	1.8	25
24	Characteristics of initiation and early events for muscle development in the <i>Xenopus</i> limb bud. <i>Developmental Dynamics</i> , 2005, 234, 846-857.	1.8	22
25	Partial Correction of Abnormal Cardiac Development in Caspase-8-deficient Mice by Cardiomyocyte Expression of p35. <i>Transgenic Research</i> , 2005, 14, 593-604.	2.4	2
26	Low temperature protects mammalian cells from apoptosis initiated by various stimuli in vitro. <i>Experimental Cell Research</i> , 2005, 309, 264-272.	2.6	51
27	Regulation of Endothelial Cell Death and Its Role in Angiogenesis and Vascular Regression. <i>Current Neurovascular Research</i> , 2004, 1, 305-315.	1.1	35
28	A Caspase-8-independent Signaling Pathway Activated by Fas Ligation Leads to Exposure of the Bak N Terminus. <i>Journal of Biological Chemistry</i> , 2004, 279, 33865-33874.	3.4	16
29	The adaptor molecule FADD from <i>Xenopus laevis</i> demonstrates evolutionary conservation of its pro-apoptotic activity. <i>Genes To Cells</i> , 2004, 9, 1249-1264.	1.2	21
30	Follicle Selection in Mammalian Ovaries: Regulatory Mechanisms of Granulosa Cell Apoptosis during Follicular Atresia. , 2004, , 369-385.		20
31	Age-related thymic involution is mediated by Fas on thymic epithelial cells. <i>International Immunology</i> , 2004, 16, 1027-1035.	4.0	18
32	Regulation Mechanism of Selective Atresia in Porcine Follicles: Regulation of Granulosa Cell Apoptosis during Atresia. <i>Journal of Reproduction and Development</i> , 2004, 50, 493-514.	1.4	175
33	Involvement of death receptor Fas in germ cell degeneration in gonads of Kit-deficient <i>Wv/Wv</i> mutant mice. <i>Cell Death and Differentiation</i> , 2003, 10, 676-686.	11.2	44
34	ER stress induces caspase-8 activation, stimulating cytochrome c release and caspase-9 activation. <i>Experimental Cell Research</i> , 2003, 283, 156-166.	2.6	169
35	Physiological and Pathological Cell Deaths in the Reproductive Organs.. <i>Cell Structure and Function</i> , 2003, 28, 31-40.	1.1	13
36	Ex vivo whole-embryo culture of caspase-8-deficient embryos normalize their aberrant phenotypes in the developing neural tube and heart. <i>Cell Death and Differentiation</i> , 2002, 9, 1196-1206.	11.2	113

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37	Purification and Cloning of an Apoptosis-Inducing Protein Derived from Fish Infected with <i>Anisakis simplex</i> , a Causative Nematode of Human Anisakiasis. <i>Journal of Immunology</i> , 2000, 165, 1491-1497.	0.8	58
38	Reduction of Thymocyte Numbers in Transgenic Mice Expressing Viral FLICE Inhibitory Protein in a Fas-Independent Manner. <i>Microbiology and Immunology</i> , 2000, 44, 289-297.	1.4	19
39	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.	3.4	309
40	Identification and Characterization of Rat AILIM/ICOS, a Novel T-Cell Costimulatory Molecule, Related to the CD28/CTLA4 Family. <i>Biochemical and Biophysical Research Communications</i> , 2000, 276, 335-345.	2.1	40
41	The CED-4-homologous protein FLASH is involved in Fas-mediated activation of caspase-8 during apoptosis. <i>Nature</i> , 1999, 398, 777-785.	27.8	237
42	Proteolytic activation of MST/Krs, STE20-related protein kinase, by caspase during apoptosis. <i>Oncogene</i> , 1998, 16, 3029-3037.	5.9	122
43	Molecular cloning and characterization of mouse caspase-8. <i>FEBS Journal</i> , 1998, 253, 399-405.	0.2	49
44	Expression of Fas Antigen in the Normal Mouse Brain. <i>Biochemical and Biophysical Research Communications</i> , 1998, 252, 623-628.	2.1	76
45	Purification, Molecular Cloning, and Characterization of TRP32, a Novel Thioredoxin-related Mammalian Protein of 32 kDa. <i>Journal of Biological Chemistry</i> , 1998, 273, 19160-19166.	3.4	78
46	Monoclonal Antibodies against Pig Ovarian Follicular Granulosa Cells Induce Apoptotic Cell Death in Cultured Granulosa Cells. <i>Journal of Veterinary Medical Science</i> , 1997, 59, 641-649.	0.9	18
47	Apoptosis Occurs in Granulosa Cells but not Cumulus Cells in the Atretic Graafian Follicles in Multiparous Pig Ovaries.. <i>Acta Histochemica Et Cytochemica</i> , 1997, 30, 85-92.	1.6	24
48	Molecular Cloning and Characterization of the Chromosomal Gene for Human Lactoperoxidase. <i>FEBS Journal</i> , 1997, 243, 32-41.	0.2	61
49	Involvement of fas antigen in ovarian follicular atresia and luteolysis. <i>Molecular Reproduction and Development</i> , 1997, 47, 11-18.	2.0	127
50	Signal Transmission of Granulosa Cell Apoptosis in the Atretic Antral Follicles in the Pig Ovaries. <i>Journal of Reproduction and Development</i> , 1996, 42, j135-j141.	1.4	5
51	Serum alleviates the requirement of the granulocyte-macrophage colony-stimulating factor (GM-CSF)-induced Ras activation for proliferation of BaF3 cells. <i>FEBS Letters</i> , 1994, 353, 133-137.	2.8	13
52	Identification of Peanut Agglutinin Receptors on Mouse Testicular Germ Cells. <i>Biology of Reproduction</i> , 1989, 41, 1097-1102.	2.7	8
53	Secretion of Plasminogen Activator in Response to Follicle-Stimulating Hormone in Culture Medium of Human Testicular Cells from Biopsy Specimens. <i>Journal of Andrology</i> , 1989, 10, 283-288.	2.0	2
54	Identification of the Specific Proteins Associated with Differentiation of Spermatogonia in Mice by Two-Dimensional Gel Electrophoresis. <i>Biology of Reproduction</i> , 1987, 37, 989-994.	2.7	2