Hiroyuki Sorimachi

List of Publications by Year
in descending order

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166 papers	11,995 citations	20759 60 h-index	27345 106 g-index
170 all docs	170 docs citations	170 times ranked	9859 citing authors

#	Article	IF	Citations
1	Developing fluorescence sensor probe to capture activated muscle-specific calpain-3 (CAPN3) in living muscle cells. Biology Open, 2020, 9, .	0.6	3
2	A Gastrointestinal Calpain Complex, G-calpain, Is a Heterodimer of CAPN8 and CAPN9 Calpain Isoforms, Which Play Catalytic and Regulatory Roles, Respectively. Journal of Biological Chemistry, 2016, 291, 27313-27322.	1.6	13
3	Calpain research for drug discovery: challenges and potential. Nature Reviews Drug Discovery, 2016, 15, 854-876.	21.5	216
4	An eccentric calpain, CAPN3/p94/calpain-3. Biochimie, 2016, 122, 169-187.	1.3	79
5	Predictions of Cleavability of Calpain Proteolysis by Quantitative Structure-Activity Relationship Analysis Using Newly Determined Cleavage Sites and Catalytic Efficiencies of an Oligopeptide Array. Molecular and Cellular Proteomics, 2016, 15, 1262-1280.	2.5	40
6	Calpain-6 confers atherogenicity to macrophages by dysregulating pre-mRNA splicing. Journal of Clinical Investigation, 2016, 126, 3417-3432.	3.9	29
7	Ablation of the p16INK4a tumour suppressor reverses ageing phenotypes of klotho mice. Nature Communications, 2015, 6, 7035.	5.8	64
8	Thymoproteasomes produce unique peptide motifs for positive selection of CD8+ T cells. Nature Communications, 2015, 6, 7484.	5.8	73
9	Amino acid sequence alignment of vertebrate CAPN3/calpain-3/p94. Data in Brief, 2015, 5, 366-367.	0.5	3
10	The N- and C-terminal autolytic fragments of CAPN3/p94/calpain-3 restore proteolytic activity by intermolecular complementation. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E5527-36.	3.3	26
11	Involvement of calpainâ€7 in epidermal growth factor receptor degradation via the endosomal sorting pathway. FEBS Journal, 2014, 281, 3642-3655.	2.2	17
12	Muscleâ€specific calpainâ€3 is phosphorylated in its unique insertion region for enrichment in a myofibril fraction. Genes To Cells, 2014, 19, 830-841.	0.5	8
13	Removal of immunoglobulin-like domains from titinâ€™s spring segment alters titin splicing in mouse skeletal muscle and causes myopathy. Journal of General Physiology, 2014, 143, 215-230.	0.9	45
14	PLEIAD/SIMC1/C5orf25, a Novel Autolysis Regulator for a Skeletal-Muscle-Specific Calpain, CAPN3, Scaffolds a CAPN3 Substrate, CTBP1. Journal of Molecular Biology, 2013, 425, 2955-2972.	2.0	22
15	Efficient expression and purification of recombinant human Î¼â€calpain using an <scp>E</scp>scherichia coli expression system. Genes To Cells, 2013, 18, 753-763.	0.5	7
16	Other Calpains. , 2013, , 2027-2038.		1
17	Calpain-2/m-Calpain. , 2013, , 2007-2011.		0
18	Gastrointestinal Calpain. , 2013, , 2018-2022.		0

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19	Calpain-6 Deficiency Promotes Skeletal Muscle Development and Regeneration. PLoS Genetics, 2013, 9, e1003668.	1.5	43
20	Muscle Calpain. , 2013, , 2011-2017.		0
21	Calpain-1/Î¼-Calpain. , 2013, , 1995-2007.		1
22	Efficient expression and purification of recombinant human m-calpain using an Escherichia coli expression system at low temperature. Journal of Biochemistry, 2012, 151, 417-422.	0.9	13
23	Regulation and physiological roles of the calpain system in muscular disorders. Cardiovascular Research, 2012, 96, 11-22.	1.8	104
24	Understanding the substrate specificity of conventional calpains. Biological Chemistry, 2012, 393, 853-871.	1.2	57
25	Calpains â€" An elaborate proteolytic system. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2012, 1824, 224-236.	1.1	289
26	Intravitreal injection or topical eye-drop application of a Î¼-calpain C2L domain peptide protects against photoreceptor cell death in Royal College of Surgeons' rats, a model of retinitis pigmentosa. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2012, 1822, 1783-1795.	1.8	30
27	Functional Evolution of Duplicated Odorant-Binding Protein Genes, Obp57d and Obp57e, in Drosophila. PLoS ONE, 2012, 7, e29710.	1.1	34
28	Impact of genetic insights into calpain biology. Journal of Biochemistry, 2011, 150, 23-37.	0.9	113
29	Non-Proteolytic Functions of Calpain-3 in Sarcoplasmic Reticulum in Skeletal Muscles. Journal of Molecular Biology, 2011, 407, 439-449.	2.0	66
30	Calpain Cleavage Prediction Using Multiple Kernel Learning. PLoS ONE, 2011, 6, e19035.	1.1	85
31	Does the severity of the LGMD2A phenotype in compound heterozygotes depend on the combination of mutations?. Muscle and Nerve, 2011, 44, 710-714.	1.0	13
32	MURF1 deficiency suppresses unloading-induced effects on osteoblasts and osteoclasts to lead to bone loss. Journal of Cellular Biochemistry, 2011, 112, 3525-3530.	1.2	19
33	Calpain-6, a microtubule-stabilizing protein, regulates Rac1 activity and cell motility through interaction with GEF-H1. Journal of Cell Science, 2011, 124, 1214-1223.	1.2	45
34	Calpain chronicle—an enzyme family under multidisciplinary characterization. Proceedings of the Japan Academy Series B: Physical and Biological Sciences, 2011, 87, 287-327.	1.6	132
35	Expanding Members and Roles of the Calpain Superfamily and Their Genetically Modified Animals. Experimental Animals, 2010, 59, 549-566.	0.7	64
36	CaMPDB: A RESOURCE FOR CALPAIN AND MODULATORY PROTEOLYSIS. , 2010, , .		32

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37	Skeletal Muscle-specific Calpain Is an Intracellular Na+-dependent Protease. Journal of Biological Chemistry, 2010, 285, 22986-22998.	1.6	48
38	Calpain 8/nCL-2 and Calpain 9/nCL-4 Constitute an Active Protease Complex, G-Calpain, Involved in Gastric Mucosal Defense. PLoS Genetics, 2010, 6, e1001040.	1.5	66
39	O.5 Skeletal muscle-specific calpain, p94/calpain 3, dynamically distributes in skeletal muscle cells to adapt to physical stress, defects of which cause muscular dystrophy. Neuromuscular Disorders, 2010, 20, 598-599.	0.3	1
40	P1.27 Redundant and non-redundant effects of Ca2+ and Na+ on the activation of p94/calpain 3. Neuromuscular Disorders, 2010, 20, 608.	0.3	0
41	Dynamic distribution of muscle-specific calpain in mice has a key role in physical-stress adaptation and is impaired in muscular dystrophy. Journal of Clinical Investigation, 2010, 120, 2672-2683.	3.9	85
42	CaMPDB: a resource for calpain and modulatory proteolysis. Genome Informatics, 2010, 22, 202-13.	0.4	29
43	Inhibition of calpain increases LIS1 expression and partially rescues in vivo phenotypes in a mouse model of lissencephaly. Nature Medicine, 2009, 15, 1202-1207.	15.2	67
44	The importance of conserved amino acid residues in p94 protease subâ€domain IIb and the IS2 region for constitutive autolysis. FEBS Letters, 2008, 582, 691-698.	1.3	9
45	Muscle RING-Finger Protein-1 (MuRF1) as a Connector of Muscle Energy Metabolism and Protein Synthesis. Journal of Molecular Biology, 2008, 376, 1224-1236.	2.0	138
46	Single-Cell Chemical Lysis Method for Analyses of Intracellular Molecules Using an Array of Picoliter-Scale Microwells. Analytical Chemistry, 2008, 80, 9141-9149.	3.2	51
47	Multiple Molecular Interactions Implicate the Connectin/Titin N2A Region as a Modulating Scaffold for p94/Calpain 3 Activity in Skeletal Muscle. Journal of Biological Chemistry, 2008, 283, 14801-14814.	1.6	95
48	Suppression of Calpain-dependent Cleavage of the CDK5 Activator p35 to p25 by Site-specific Phosphorylation. Journal of Biological Chemistry, 2007, 282, 1687-1694.	1.6	65
49	Myogenic Stage, Sarcomere Length, and Protease Activity Modulate Localization of Muscle-specific Calpain. Journal of Biological Chemistry, 2007, 282, 14493-14504.	1.6	48
50	Stomach-specific Calpain, nCL-2/Calpain 8, Is Active without Calpain Regulatory Subunit and Oligomerizes through C2-like Domains. Journal of Biological Chemistry, 2007, 282, 27847-27856.	1.6	44
51	Comprehensive survey of p94/calpain 3 substrates by comparative proteomics â€“ Possible regulation of protein synthesis by p94. Biotechnology Journal, 2007, 2, 565-576.	1.8	29
52	Crystal Structure of Neoculin: Insights into its Sweetness and Taste-modifying Activity. Journal of Molecular Biology, 2006, 359, 148-158.	2.0	54
53	Neoculin, a taste-modifying protein, is recognized by human sweet taste receptor. NeuroReport, 2006, 17, 1241-1244.	0.6	28
54	Possible functions of p94 in connectin-mediated signaling pathways in skeletal muscle cells. Journal of Muscle Research and Cell Motility, 2006, 26, 409-417.	0.9	35

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55	Calpain System Regulates the Differentiation of Adult Primitive Mesenchymal ST-13 Adipocytes. Endocrinology, 2006, 147, 4811-4819.	1.4	14
56	Extracellular Production of Neoculin, a Sweet-Tasting Heterodimeric Protein with Taste-Modifying Activity, by Aspergillus oryzae. Applied and Environmental Microbiology, 2006, 72, 3716-3723.	1.4	68
57	Suppressed Disassembly of Autolyzing p94/CAPN3 by N2A Connectin/Titin in a Genetic Reporter System. Journal of Biological Chemistry, 2006, 281, 18519-18531.	1.6	59
58	Stomach-specific Calpain, nCL-2, Localizes in Mucus Cells and Proteolyzes the Î²-Subunit of Coatomer Complex, Î²-COP. Journal of Biological Chemistry, 2006, 281, 11214-11224.	1.6	29
59	Nutrient-dependent Multimerization of the Mammalian Target of Rapamycin through the N-terminal HEAT Repeat Region. Journal of Biological Chemistry, 2006, 281, 28605-28614.	1.6	67
60	Inhibitory NK Receptor Ly49Q Is Expressed on Subsets of Dendritic Cells in a Cellular Maturation- and Cytokine Stimulation-Dependent Manner. Journal of Immunology, 2005, 174, 4621-4629.	0.4	40
61	Constitutive Activation of the pH-Responsive Rim101 Pathway in Yeast Mutants Defective in Late Steps of the MVB/ESCRT Pathway. Molecular and Cellular Biology, 2005, 25, 9478-9490.	1.1	89
62	Possible Regulation of the Conventional Calpain System by Skeletal Muscle-specific Calpain, p94/Calpain 3. Journal of Biological Chemistry, 2004, 279, 2761-2771.	1.6	101
63	Degradation of Fodrin by m-Calpain in Fibroblasts Adhering to Fibrillar Collagen I Gel. Journal of Biochemistry, 2004, 136, 777-785.	0.9	9
64	Structure, Activation, and Biology of Calpain. Diabetes, 2004, 53, S12-S18.	0.3	357
65	Induction and Myofibrillar Targeting of CARP, and Suppression of the Nkx2.5 Pathway in the MDM Mouse with Impaired Titin-based Signaling. Journal of Molecular Biology, 2004, 336, 145-154.	2.0	83
66	Corrigendum to: Newly identified exons encoding novel variants of p94/calpain 3 are expressed ubiquitously and overlap the Î±-glucosidase C gene (FEBS 27898). FEBS Letters, 2004, 557, 293-293.	1.3	0
67	Neoculin as a New Taste-modifying Protein Occurring in the Fruit ofCurculigo latifolia. Bioscience, Biotechnology and Biochemistry, 2004, 68, 1403-1407.	0.6	70
68	Calpain. , 2004, , 300-306.		0
69	Heterogeneous Nuclear Ribonucleoprotein K Interacts with and Is Proteolyzed by Calpainin vivo. Bioscience, Biotechnology and Biochemistry, 2003, 67, 1786-1796.	0.6	12
70	Newly identified exons encoding novel variants of p94/calpain 3 are expressed ubiquitously and overlap the Î±-glucosidase C gene. FEBS Letters, 2003, 555, 623-630.	1.3	29
71	C/EBPÎ± Is Required for Proteolytic Cleavage of Cyclin A by Calpain 3 in Myeloid Precursor Cells. Journal of Biological Chemistry, 2002, 277, 33848-33856.	1.6	28
72	Muscle-specific RING finger-1 interacts with titin to regulate sarcomeric M-line and thick filament structure and may have nuclear functions via its interaction with glucocorticoid modulatory element binding protein-1. Journal of Cell Biology, 2002, 157, 125-136.	2.3	222

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73	Stable expression of calpain 3 from a muscle transgene in vivo: Immature muscle in transgenic mice suggests a role for calpain 3 in muscle maturation. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 8874-8879.	3.3	87
74	Flexibility Analysis and Structure Comparison of Two Crystal Forms of Calcium-Free Human m-Calpain. Biological Chemistry, 2002, 383, 1415-22.	1.2	14
75	Effect of Preslaughter Feed Withdrawal Period on Longissimus Tenderness and the Expression of Calpains in the Ovine. Journal of Agricultural and Food Chemistry, 2001, 49, 1990-1998.	2.4	28
76	Domain III of Calpain Is a Ca2+-Regulated Phospholipid-Binding Domain. Biochemical and Biophysical Research Communications, 2001, 280, 1333-1339.	1.0	147
77	Identification of muscle specific ring finger proteins as potential regulators of the titin kinase domain. Journal of Molecular Biology, 2001, 306, 717-726.	2.0	350
78	Domain II of m-calpain is a Ca2+-dependent cysteine protease. FEBS Letters, 2001, 501, 111-114.	1.3	41
79	The Structure of Calpain. Journal of Biochemistry, 2001, 129, 653-664.	0.9	249
80	Structural Basis for Possible Calcium-Induced Activation Mechanisms of Calpains. Biological Chemistry, 2001, 382, 753-66.	1.2	33
81	Coexpression of the CUG-Binding Protein Reduces DM Protein Kinase Expression in COS Cells. Journal of Biochemistry, 2001, 130, 581-587.	0.9	5
82	Both the Conserved and the Unique Gene Structure of Stomach-Specific Calpains Reveal Processes of Calpain Gene Evolution. Journal of Molecular Evolution, 2001, 53, 191-203.	0.8	18
83	Molecular cloning of PalBH, a mammalian homologue of the Aspergillus atypical calpain PalB. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 2001, 1517, 316-319.	2.4	44
84	The Structure of Calcium-Free Human m-Calpain Implications for Calcium Activation and Function. Trends in Cardiovascular Medicine, 2001, 11, 222-229.	2.3	39
85	Structural Basis for Possible Calcium-Induced Activation Mechanisms of Calpains. Biological Chemistry, 2001, 382, 753-766.	1.2	19
86	Limited Proteolysis of Filamin Is Catalyzed by Caspase-3 in U937 and Jurkat Cells. Journal of Biochemistry, 2001, 130, 535-542.	0.9	21
87	Myopalladin, a Novel 145-Kilodalton Sarcomeric Protein with Multiple Roles in Z-Disc and I-Band Protein Assemblies. Journal of Cell Biology, 2001, 153, 413-428.	2.3	250
88	Crystallization and preliminary X-ray analysis of recombinant full-length human m-calpain. Acta Crystallographica Section D: Biological Crystallography, 2000, 56, 73-75.	2.5	6
89	A simple purification and fluorescent assay method of the poliovirus 3C protease searching for specific inhibitors. Journal of Virological Methods, 2000, 84, 117-126.	1.0	7
90	Metabolism of amyloid precursor protein in COS cells transfected with a beta-secretase candidate. Cytotechnology, 2000, 33, 213-219.	0.7	0

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91	Myopathy phenotype of transgenic mice expressing active site-mutated inactive p94 skeletal muscle-specific calpain, the gene product responsible for limb girdle muscular dystrophy type 2A. Human Molecular Genetics, 2000, 9, 1393-1402.	1.4	43
92	Autolysis of Calpain Large Subunit Inducing Irreversible Dissociation of Stoichiometric Heterodimer of Calpain. Bioscience, Biotechnology and Biochemistry, 2000, 64, 689-695.	0.6	25
93	Loss of Calpain 3 Proteolytic Activity Leads to Muscular Dystrophy and to Apoptosis-Associated Ifºbî±/Nuclear Factor Îºb Pathway Perturbation in Mice. Journal of Cell Biology, 2000, 151, 1583-1590.	2.3	158
94	Molecular Analysis of p94 and Its Application to Diagnosis of Limb Girdle Muscular Dystrophy Type 2A. , 2000, 144, 75-84.		2
95	The crystal structure of calcium-free human m-calpain suggests an electrostatic switch mechanism for activation by calcium. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 588-592.	3.3	343
96	Skeletal Muscle-Specific Calpain, p94, and Connectin/Titin: Their Physiological Functions and Relationship to Limb-Girdle Muscular Dystrophy Type 2A. Advances in Experimental Medicine and Biology, 2000, 481, 383-404.	0.8	41
97	Calcium and Muscle Disease: Pathophysiology of Calpains and Limb-Girdle Muscular Dystrophy Type 2A (LGMD2A). , 2000, , 443-464.		2
98	The titin cDNA sequence and partial genomic sequences: Insights into the molecular genetics, cell biology and physiology of the titin filament system. Reviews of Physiology, Biochemistry and Pharmacology, 1999, 138, 19-55.	0.9	5
99	The protease activity of a calpain-like cysteine protease in Saccharomyces cerevisiae is required for alkaline adaptation and sporulation. Molecular Genetics and Genomics, 1999, 260, 559-568.	2.4	91
100	Muscle assembly: a titanic achievement?. Current Opinion in Cell Biology, 1999, 11, 18-25.	2.6	296
101	New Aspect of the Research on Limb-Girdle Muscular Dystrophy 2A A Molecular Biologic and Biochemical Approach to Pathology. Trends in Cardiovascular Medicine, 1999, 9, 114-118.	2.3	16
102	Aspergillus oryzae palBory encodes a calpain-like protease: Homology to Emericella nidulans PalB and conservation of functional regions. Journal of Bioscience and Bioengineering, 1999, 88, 438-440.	1.1	13
103	Overexpression of myotonic dystrophy protein kinase in C2C12 myogenic culture involved in the expression of ferritin heavy chain and interleukin-1Î± mRNAs. Journal of the Neurological Sciences, 1999, 167, 26-33.	0.3	4
104	Characterization of a Human Digestive Tract-Specific Calpain, nCL-4, Expressed in the Baculovirus System. Archives of Biochemistry and Biophysics, 1999, 362, 22-31.	1.4	46
105	Proteasome Inhibitors Induce the Association of Alzheimer's Amyloid Precursor Protein with Hsc73. Biochemical and Biophysical Research Communications, 1999, 254, 804-810.	1.0	35
106	Association and Dissociation of the Calcium-Binding Domains of Calpain by Ca2+. Biochemical and Biophysical Research Communications, 1999, 257, 63-66.	1.0	12
107	Membrane-anchored metalloprotease MDC9 has an Î±-secretase activity responsible for processing the amyloid precursor protein. Biochemical Journal, 1999, 343, 371-375.	1.7	242
108	Membrane-anchored metalloprotease MDC9 has an Î±-secretase activity responsible for processing the amyloid precursor protein. Biochemical Journal, 1999, 343, 371.	1.7	107

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109	Expression and Functional Characteristics of Calpain 3 Isoforms Generated through Tissue-Specific Transcriptional and Posttranscriptional Events. Molecular and Cellular Biology, 1999, 19, 4047-4055.	1.1	113
110	Thimet Oligopeptidase Cleaves the Full-Length Alzheimer Amyloid Precursor Protein at a Â-Secretase Cleavage Site in COS Cells. Journal of Biochemistry, 1999, 126, 235-242.	0.9	29
111	Calpains: structure and function of the calpain super family. , 1999, , 159-174.		0
112	Discussion. Biochemical Pharmacology, 1998, 56, 415-420.	2.0	45
113	The deletion of the C-terminal tail and addition of an endoplasmic reticulum targeting signal to Alzheimer's amyloid precursor protein change its localization, secretion, and intracellular proteolysis. FEBS Journal, 1998, 258, 291-300.	0.2	21
114	A novel aspect of calpain activation. FEBS Letters, 1998, 433, 1-4.	1.3	152
115	Structure and Physiology of Calpain, an Enigmatic Protease. Biochemical and Biophysical Research Communications, 1998, 245, 289-294.	1.0	121
116	The NH2 Terminus of Titin Spans the Z-Disc: Its Interaction with a Novel 19-kD Ligand (T-cap) Is Required for Sarcomeric Integrity. Journal of Cell Biology, 1998, 143, 1013-1027.	2.3	285
117	Functional Defects of a Muscle-specific Calpain, p94, Caused by Mutations Associated with Limb-Girdle Muscular Dystrophy Type 2A. Journal of Biological Chemistry, 1998, 273, 17073-17078.	1.6	142
118	Molecular Cloning and Characterization of a Novel Tissue-Specific Calpain Predominantly Expressed in the Digestive Tract. Biological Chemistry, 1998, 379, 175-83.	1.2	55
119	Overexpression, Purification, and Characterization of Human m-Calpain and Its Active Site Mutant, m-C105S-Calpain, Using a Baculovirus Expression System. Journal of Biochemistry, 1998, 124, 957-961.	0.9	29
120	Purification of native p94, a muscle-specific calpain, and characterization of its autolysis. Biochemical Journal, 1998, 335, 589-596.	1.7	109
121	IDENTIFICATION AND PURIFICATION OF MYOTONIN PROTEIN KINASE (MtPK) FROM RAT SKELETAL MUSCLE SARCOPLASMIC RETICULUM. Biomedical Research, 1998, 19, 93-99.	0.3	4
122	MYOTONIN PROTEIN KINASE (MtPK) AFFECTS THE CHLORIDE PERMEABILITY OF C2C12 MYOGENIC CELLS. Biomedical Research, 1998, 19, 191-198.	0.3	0
123	Deletion of an Endosomal/Lysosomal Targeting Signal Promotes the Secretion of Alzheimer's Disease Amyloid Precursor Protein (APP). Journal of Biochemistry, 1997, 121, 585-590.	0.9	18
124	Expanded CTG repeats in myotonin protein kinase suppresses myogenic differentiation. NeuroReport, 1997, 8, 3749-3753.	0.6	14
125	Structure and physiological function of calpains. Biochemical Journal, 1997, 328, 721-732.	1.7	674
126	Muscle-Specific Calpain, p94, Interacts with the Extreme C-Terminal Region of Connectin, a Unique Region Flanked by Two Immunoglobulin C2 Motifs. Archives of Biochemistry and Biophysics, 1997, 342, 99-107.	1.4	106

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127	Tissue-specific expression and Î±-actinin binding properties of the Z-disc titin: implications for the nature of vertebrate Z-discs. Journal of Molecular Biology, 1997, 270, 688-695.	2.0	195
128	Molecular Cloning and Characterization of cDNAs for the Î¼-Type Large Subunit and the Small Subunit of Chicken Calpain. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 1997, 118, 539-547.	0.7	4
129	Novel isoform of myotonin protein kinase: gene product of myotonic dystrophy is localized in the sarcoplasmic reticulum of skeletal muscle. American Journal of Pathology, 1997, 150, 1285-95.	1.9	15
130	Effect of artificial (CTG) repeat expansion on the expression of myotonin protein kinase (MtPK) in COS-1 cells. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 1996, 1315, 112-116.	1.8	11
131	Immunocytochemical localization of a full-length myotonin protein kinase in rat L6 myoblasts. Neuroscience Letters, 1996, 218, 214-216.	1.0	4
132	Mutation of potential N-linked glycosylation sites in the Alzheimer's disease amyloid precursor protein (APP). Neuroscience Letters, 1996, 221, 57-60.	1.0	35
133	Structure and physiological functions of ubiquitous and tissue-specific calpain species Muscle-specific calpain, p94, interacts with connectin/titin. Advances in Biophysics, 1996, 33, 101-122.	0.6	56
134	Primary sequences of rat Î¼-calpain large and small subunits are, respectively, moderately and highly similar to those of human. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1996, 1309, 37-41.	2.4	23
135	Structure and physiological functions of ubiquitous and tissue-specific calpain species. Muscle-specific calpain, p94, interacts with connectin/titin. Advances in Biophysics, 1996, 33, 101-22.	0.6	19
136	Highly conserved structure in the promoter region of the gene for muscle-specific calpain, p94. Biological Chemistry, 1996, 377, 859-64.	1.2	10
137	Identification of a third ubiquitous calpain species â€" chicken muscle expresses four distinct calpains. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1995, 1261, 381-393.	2.4	71
138	A Novel Ligand for CD44 Is Serglycin, a Hematopoietic Cell Lineage-specific Proteoglycan. Journal of Biological Chemistry, 1995, 270, 7437-7444.	1.6	229
139	Muscle-specific Calpain, p94, Responsible for Limb Girdle Muscular Dystrophy Type 2A, Associates with Connectin through IS2, a p94-specific Sequence. Journal of Biological Chemistry, 1995, 270, 31158-31162.	1.6	272
140	Review. Biological Chemistry Hoppe-Seyler, 1995, 376, 523-530.	1.4	131
141	Calpain Dissociates into Subunits in the Presence Ions. Biochemical and Biophysical Research Communications, 1995, 208, 376-383.	1.0	90
142	Arachidonate Metabolites Affect the Secretion of an N-Terminal Fragment of Alzheimerâ€²s Disease Amyloid Precursor Protein. Biochemical and Biophysical Research Communications, 1995, 209, 841-849.	1.0	22
143	Up-Regulation of Dystrophin mRNA by Exposure to Dibutyryl-cAMP in the C2C12 Muscle Cell Line. Biochemical and Biophysical Research Communications, 1995, 210, 654-659.	1.0	5
144	A catalytic subunit of calpain possesses full proteolytic activity. FEBS Letters, 1995, 358, 101-103.	1.3	80

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145	Conventional protein kinase C (PKC)-Î± and novel PKCÎµ, but not -Î¸, increase the secretion of an N-terminal fragment of Alzheimer's disease amyloid precursor protein from PKC cDNA transfected 3Y1 fibroblasts. FEBS Letters, 1995, 364, 203-206.	1.3	67
146	Calpain: new perspectives in molecular diversity and physiologicalâ€pathological involvement. FASEB Journal, 1994, 8, 814-822.	0.2	641
147	3 A Novel Calpain Species, n-Calpain, Active at nM Levels of Calcium?. , 1994, , 35-46.		0
148	Distinct kinetics of subunit autolysis in mammalian m-calpain activation. FEBS Letters, 1994, 346, 263-267.	1.3	62
149	Expression of a novel human myotonin protein kinase (MtPK) cDNA clone which encodes a protein with a thymopoietin-like domain in COS cells. FEBS Letters, 1994, 351, 22-26.	1.3	20
150	New era of calpain research. FEBS Letters, 1994, 343, 1-5.	1.3	175
151	Processing and Secretion of Alzheimer's Disease Amyloid Precursor Protein.. Tohoku Journal of Experimental Medicine, 1994, 174, 209-216.	0.5	3
152	QUANTIFICATION OF CALPAIN-RELATED MOLECULES BY SPECIFIC PCR AMPLIFICATION AND ITS APPLICATION TO HUMAN MUSCULAR DYSTROPHY . Biomedical Research, 1994, 15, 337-346.	0.3	8
153	Calpain: new perspectives in molecular diversity and physiological-pathological involvement. FASEB Journal, 1994, 8, 814-22.	0.2	157
154	Amyloid Precursor Protein Is Found in Lysosomes. Gerontology, 1993, 39, 24-29.	1.4	10
155	A novel tissue-specific calpain species expressed predominantly in the stomach comprises two alternative splicing products with and without Ca(2+)-binding domain. Journal of Biological Chemistry, 1993, 268, 19476-82.	1.6	109
156	Autolytic Transition of Î¼Calpain upon Activation as Resolved by Antibodies Distinguishing between the Pre- and Post-Autolysis Forms1. Journal of Biochemistry, 1992, 111, 81-86.	0.9	139
157	Sequence comparison among muscle-specific calpain, p94, and calpain subunits. BBA - Proteins and Proteomics, 1992, 1160, 55-62.	2.1	36
158	Sequence comparison among subunits of multicatalytic proteinase. Biomedica Biochimica Acta, 1991, 50, 459-64.	0.1	1
159	Molecular Cloning and Characterization of cDNAs Coding for Apopolysialoglycoproteins in Cherry Salmon (Oncorhynchus masou) Eggs. Journal of Biochemistry, 1990, 107, 61-67.	0.9	2
160	Molecular cloning of cDNAs for two subunits of rat multicatalytic proteinase. Existence of N-terminal conserved and C-terminal diverged sequences among subunits. FEBS Journal, 1990, 193, 775-781.	0.2	18
161	Organization and primary sequence of multiple genes coding for the apopolysialoglycoproteins of rainbow trout. Journal of Molecular Biology, 1990, 211, 35-48.	2.0	11
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#	Article	IF	Citations
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