

Hiroshi Kawasaki

List of Publications by Year in descending order

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57631

44
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54797

84
g-index

113
all docs

113
docs citations

113
times ranked

4422
citing authors

#	ARTICLE	IF	CITATIONS
1	Tissue-specific expression of three distinct types of rabbit protein kinase C. <i>Nature</i> , 1987, 325, 161-166.	13.7	478
2	Evolutionary origin of a calcium-dependent protease by fusion of genes for a thiol protease and a calcium-binding protein?. <i>Nature</i> , 1984, 312, 566-570.	13.7	362
3	Molecular cloning and sequence determination of cDNAs for alpha subunits of the guanine nucleotide-binding proteins Gs, Gi, and Go from rat brain.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1986, 83, 3776-3780.	3.3	345
4	E3 ubiquitin ligase that recognizes sugar chains. <i>Nature</i> , 2002, 418, 438-442.	13.7	341
5	Classification and evolution of EF-hand proteins. <i>BioMetals</i> , 1998, 11, 277-295.	1.8	312
6	Calcium-activated neutral protease and its endogenous inhibitor Activation at the cell membrane and biological function. <i>FEBS Letters</i> , 1987, 220, 271-277.	1.3	269
7	Xenopus M phase MAP kinase: isolation of its cDNA and activation by MPF.. <i>EMBO Journal</i> , 1991, 10, 2661-2668.	3.5	252
8	Identification of calcium-activated neutral protease as a processing enzyme of human interleukin 1 alpha.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1990, 87, 5548-5552.	3.3	248
9	A new NEDD8-ligating system for cullin-4A. <i>Genes and Development</i> , 1998, 12, 2263-2268.	2.7	230
10	Endogenous inhibitor for calcium-dependent cysteine protease contains four internal repeats that could be responsible for its multiple reactive sites.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1987, 84, 3590-3594.	3.3	163
11	Degradation of transcription factors, c-Jun and c-Fos, by calpain. <i>FEBS Letters</i> , 1991, 287, 57-61.	1.3	151
12	The carboxy-terminal region of mammalian HSP90 is required for its dimerization and function in vivo.. <i>Molecular and Cellular Biology</i> , 1994, 14, 1459-1464.	1.1	149
13	Molecular Cloning of Cytidine Monophospho-N-acetylneuraminic Acid Hydroxylase. REGULATION OF SPECIES- AND TISSUE-SPECIFIC EXPRESSION OF N-GLYCOLYLNEURAMINIC ACID. <i>Journal of Biological Chemistry</i> , 1995, 270, 16458-16463.	1.6	148
14	Molecular cloning of the cDNA for the large subunit of the high-calcium-requiring form of human calcium-activated neutral protease. <i>Biochemistry</i> , 1988, 27, 8122-8128.	1.2	141
15	Production and separation of peptides from proteins stained with Coomassie brilliant blue R-250 after separation by sodium dodecyl sulfate-polyacrylamide gel electrophoresis. <i>Analytical Biochemistry</i> , 1990, 191, 332-336.	1.1	128
16	Regulation of activity of calcium activated neutral protease. <i>Advances in Enzyme Regulation</i> , 1988, 27, 135-151.	2.9	127
17	Purification and Characterization of a Z-Leu-Leu-Leu-MCA Degrading Protease Expected to Regulate Neurite Formation: A Novel Catalytic Activity in Proteasome. <i>Biochemical and Biophysical Research Communications</i> , 1993, 196, 1195-1201.	1.0	122
18	The Amino-Terminal Hydrophobic Region of the Small Subunit of Calcium-Activated Neutral Protease (CANP) Is Essential for Its Activation by Phosphatidylinositol1. <i>Journal of Biochemistry</i> , 1986, 99, 1281-1284.	0.9	115

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19	Molecular cloning and sequencing of cDNA for rat cathepsin L. FEBS Letters, 1987, 223, 69-73.	1.3	113
20	Purification of native p94, a muscle-specific calpain, and characterization of its autolysis. Biochemical Journal, 1998, 335, 589-596.	1.7	109
21	Nucleotide sequence of chick 14K β -galactoside-binding lectin mRNA. Biochemical and Biophysical Research Communications, 1986, 134, 51-56.	1.0	101
22	Molecular cloning and functional analysis of three subunits of yeast proteasome.. Molecular and Cellular Biology, 1991, 11, 344-353.	1.1	100
23	Limited Autolysis of Calcium-Activated Neutral Protease (CANP): Reduction of the Ca ²⁺ -Requirement Is Due to the NK2-Tenninal Processing of the Large Subunit1. Journal of Biochemistry, 1986, 100, 633-642.	0.9	89
24	Separation of peptides dissolved in a sodium dodecyl sulfate solution by reversed-phase liquid chromatography: Removal of sodium dodecyl sulfate from peptides using an ion-exchange precolumn. Analytical Biochemistry, 1990, 186, 264-268.	1.1	84
25	Complete Amino Acid Sequence of 14 kDa β -Galactoside-Binding Lectin of Chick Embryo. Journal of Biochemistry, 1987, 101, 775-787.	0.9	83
26	A fourth type of rabbit protein kinase C. Biochemistry, 1988, 27, 2083-2087.	1.2	83
27	Structural and functional diversity of EF-hand proteins: Evolutionary perspectives. Protein Science, 2017, 26, 1898-1920.	3.1	81
28	Enzymatic Properties of a Novel Phorbol Ester Receptor/Protein Kinase, nPKC1. Journal of Biochemistry, 1989, 106, 673-678.	0.9	80
29	Regulation of the calpain-calpastatin system by membranes (Review). Molecular Membrane Biology, 1996, 13, 217-224.	2.0	80
30	Overexpression of a β -galactoside binding protein causes transformation of BALB3T3 fibroblast cells. Biochemical and Biophysical Research Communications, 1991, 179, 272-279.	1.0	79
31	Identification and Characterization of Inhibitory Sequences in Four Repeating Domains of the Endogenous Inhibitor for Calcium-Dependent Protease1. Journal of Biochemistry, 1989, 106, 274-281.	0.9	78
32	A Critical Role for the Proteasome Activator PA28 in the Hsp90-dependent Protein Refolding. Journal of Biological Chemistry, 2000, 275, 9055-9061.	1.6	72
33	Electrophoretic analysis of phosphorylation of the yeast 20S proteasome. Electrophoresis, 2002, 23, 329-338.	1.3	71
34	Molecular cloning of a cDNA encoding an inducible calmodulin-dependent nitric-oxide synthase from rat liver and its expression in COS 1 cells. FEBS Journal, 1993, 217, 37-43.	0.2	63
35	cDNA cloning, nucleotide sequence and expression of the gene for arylsulfatase in the sea urchin (Hemicentrotus pulcherrimus) embryo. FEBS Journal, 1988, 177, 9-13.	0.2	63
36	The primary structure of rat brain (cytoplasmic) dynein heavy chain, a cytoplasmic motor enzyme.. Proceedings of the National Academy of Sciences of the United States of America, 1993, 90, 7928-7932.	3.3	62

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37	Identification of sites for alkylation by N-ethylmaleimide and pertussis toxin-catalyzed ADP-ribosylation on GTP-binding proteins. <i>FEBS Letters</i> , 1990, 276, 227-231.	1.3	56
38	Proteomic search for potential diagnostic markers and therapeutic targets for ovarian clear cell adenocarcinoma. <i>Proteomics</i> , 2006, 6, 5880-5890.	1.3	56
39	Molecular cloning and sequencing of cDNA for rat cathepsin H Homology in pro-peptide regions of cysteine proteinases. <i>FEBS Letters</i> , 1987, 226, 33-37.	1.3	53
40	DETERMINATION OF THE COMPLETE AMINO ACID SEQUENCE OF CALMODULIN (PHENYLALANINE-RICH ACIDIC PROTEIN II) FROM BOVINE BRAIN . <i>Biomedical Research</i> , 1980, 1, 248-264.	0.3	53
41	Cold-labile hemolysin produced by limited proteolysis of .theta.-toxin from <i>Clostridium perfringens</i> . <i>Biochemistry</i> , 1986, 25, 6048-6053.	1.2	51
42	Technical aspects of functional proteomics in plants. <i>Phytochemistry</i> , 2004, 65, 1487-1498.	1.4	50
43	A novel approach and protocol for discovering extremely low-abundance proteins in serum. <i>Proteomics</i> , 2006, 6, 4845-4855.	1.3	49
44	Identification of the 19S regulatory particle subunits from the rice 26S proteasome. <i>FEBS Journal</i> , 2002, 269, 1474-1483.	0.2	47
45	Identification of Major Phosphorylation Sites of Epstein-Barr Virus Nuclear Antigen Leader Protein (EBNA-LP): Ability of EBNA-LP To Induce Latent Membrane Protein 1 Cooperatively with EBNA-2 Is Regulated by Phosphorylation. <i>Journal of Virology</i> , 2001, 75, 5119-5128.	1.5	45
46	The Small Subunits of Calcium Dependent Proteases with Different Calcium Sensitivities are Identical ¹ . <i>Journal of Biochemistry</i> , 1986, 99, 1525-1532.	0.9	44
47	Identification of three pertussis toxin substrates (41, 40 and 39 kDa proteins) in mammalian brain Comparison of predicted amino acid sequences from G-protein I α -subunit genes and cDNAs with partial amino acid sequences from purified proteins. <i>FEBS Letters</i> , 1988, 230, 85-89.	1.3	44
48	Proteome approaches to characterize seed storage proteins related to ditelocentric chromosomes in common wheat (<i>Triticum aestivum</i> L.). <i>Proteomics</i> , 2002, 2, 1146-1155.	1.3	44
49	Site-specific phosphorylation by protein kinase C inhibits assembly-promoting activity of microtubule-associated protein 4. <i>Biochemistry</i> , 1991, 30, 9341-9346.	1.2	42
50	Reconstitution of CMP-N-Acetylneuraminic Acid Hydroxylation Activity Using a Mouse Liver Cytosol Fraction and Soluble Cytochrome b5 Purified from Horse Erythrocytes ¹ . <i>Journal of Biochemistry</i> , 1991, 110, 429-435.	0.9	41
51	The COOH-Terminal E-F Hand Structure of Calcium-Activated Neutral Protease (CANP) Is Important for the Association of Subunits and Resulting Proteolytic Activity ¹ . <i>Journal of Biochemistry</i> , 1987, 101, 447-452.	0.9	40
52	E-F Hand Structure-Domain of Calcium-Activated Neutral Protease (CANP) Can Bind Ca ²⁺ Ions ¹ . <i>Journal of Biochemistry</i> , 1987, 101, 889-895.	0.9	40
53	Carboxyl-Terminal Truncation and Site-Directed Mutagenesis of the EF Hand Structure-Domain of the Small Subunit of Rabbit Calcium-Dependent Protease ¹ . <i>Journal of Biochemistry</i> , 1988, 104, 927-933.	0.9	40
54	Calpastatin Has Two Distinct Sites for Interaction with Calpain - Effect of Calpastatin Fragments on the Binding of Calpain to Membranes. <i>Archives of Biochemistry and Biophysics</i> , 1993, 305, 467-472.	1.4	40

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55	Efficient peptide mapping and its application to identify embryo proteins in rice proteome analysis. <i>Electrophoresis</i> , 2002, 23, 647-654.	1.3	40
56	Calcium-activated neutral protease inhibitor from rabbit erythrocytes lacks the N-terminal region of the liver inhibitor but retains three inhibitory units. <i>Biochemical and Biophysical Research Communications</i> , 1987, 146, 630-637.	1.0	38
57	Microtubule destabilization by cdc2/H1 histone kinase: Phosphorylation of a "Pro-rich region" in the microtubule-binding domain of MAP-4. <i>Biochemical and Biophysical Research Communications</i> , 1991, 179, 1620-1626.	1.0	36
58	Molecular basis for oviductin-mediated processing from gp43 to gp41, the predominant glycoproteins of <i>Xenopus</i> egg envelopes. , 1999, 25, 123-129.		36
59	Identification of yeast aspartyl aminopeptidase gene by purifying and characterizing its product from yeast cells. <i>FEBS Journal</i> , 2006, 273, 192-198.	2.2	35
60	Purification of a proteinase inhibitor from the plasma of <i>Bothrops jararaca</i> (jararaca). <i>Toxicon</i> , 1991, 29, 673-681.	0.8	33
61	Expression of human leukotriene A4hydrolase cDNA in <i>Escherichia coli</i> . <i>FEBS Letters</i> , 1988, 229, 279-282.	1.3	30
62	Further Characterization and Structural Studies on Human Placenta Lectin1. <i>Journal of Biochemistry</i> , 1987, 101, 987-995.	0.9	28
63	Protein analyses and reagents: Microscale assay of calcium-binding activity of proteins and peptides using a nitrocellulose membrane. <i>Analytical Biochemistry</i> , 1985, 148, 297-302.	1.1	27
64	Purification of two distinct types of phosphoinositide-specific phospholipase C from rat liver. Enzymological and structural studies. <i>Biochemical Journal</i> , 1988, 256, 453-459.	1.7	27
65	Separation of Peptides on the Basis of the Difference in Positive Charge: Simultaneous Isolation of C-Terminal and Blocked N-Terminal Peptides from Tryptic Digests. <i>Journal of Biochemistry</i> , 1987, 102, 393-400.	0.9	24
66	The crystal structure of annexin VI indicates relative rotation of the two lobes upon membrane binding. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1996, 1313, 277-282.	1.9	23
67	Identification of three phosphorylation sites in the β 7 subunit of the yeast 20S proteasome in vivo using mass spectrometry. <i>Archives of Biochemistry and Biophysics</i> , 2004, 431, 9-15.	1.4	23
68	<i>Aeropyrum pernix</i> K1, a strictly aerobic and hyperthermophilic archaeon, has two terminal oxidases, cytochromeBa 3 and cytochromeaa 3. <i>Archives of Microbiology</i> , 2002, 179, 42-49.	1.0	21
69	Fragment of an endogenous inhibitor produced in <i>Escherichia coli</i> for calcium-activated neutral protease (CANP) retains an inhibitory activity. <i>FEBS Letters</i> , 1987, 215, 274-278.	1.3	19
70	Molecular cloning of cDNAs for two subunits of rat multicatalytic proteinase. Existence of N-terminal conserved and C-terminal diverged sequences among subunits. <i>FEBS Journal</i> , 1990, 193, 775-781.	0.2	18
71	Egg envelope glycoprotein gp37 as a <i>Xenopus</i> homolog of mammalian ZP1, based on cDNA cloning. <i>Development Growth and Differentiation</i> , 2000, 42, 419-427.	0.6	18
72	Calcium-Activated Neutral Protease (CANP) and its Biological and Medical Implications. <i>Progress in Clinical Biochemistry and Medicine</i> , 1987, , 43-65.	0.5	18

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73	A 107-kDa INHIBITOR FOR CALCIUM-ACTIVATED NEUTRAL PROTEASE (CANP): PURIFICATION FROM THE HUMAN LIVER. Biomedical Research, 1984, 5, 481-488.	0.3	18
74	Involvement of protein kinase C ϵ in thyrotropin-releasing hormone-stimulated phosphorylation of the myristoylated alanine-rich C kinase substrate in rat pituitary clonal cells. Electrophoresis, 2000, 21, 452-459.	1.3	17
75	Isolation and Characterization of Cytosolic and Membrane-Bound Deubiquitinating Enzymes from Bovine Brain. Journal of Biochemistry, 1999, 126, 612-623.	0.9	16
76	Mass spectrometric analysis of expression of ATPase subunits encoded by duplicated genes in the 19S regulatory particle of rice 26S proteasome. Archives of Biochemistry and Biophysics, 2004, 421, 34-41.	1.4	16
77	Protein kinase C μ phosphorylates keratin 8 at Ser8 and Ser23 in GH4C1 cells stimulated by thyrotropin-releasing hormone. FEBS Journal, 2007, 274, 3270-3285.	2.2	15
78	Wild-type p53 enhances annexin IV gene expression in ovarian clear cell adenocarcinoma. FEBS Journal, 2011, 278, 1470-1483.	2.2	15
79	Molecular Dynamics Study of the Changes in Conformation of Calmodulin with Calcium Binding and/or Target Recognition. Scientific Reports, 2019, 9, 10688.	1.6	15
80	Evolution of EF-Hand Proteins. , 2000, , 29-58.		15
81	Detection of In Vivo Activated Platelets in Experimental Cerebral Thrombosis: Studies Using a New Monoclonal Antibody 2T60, Specific for Activated Human and Rabbit Platelets. Platelets, 1993, 4, 31-39.	1.1	14
82	Structural differences among subfamilies of EF-hand proteins-A view from the pseudo two-fold symmetry axis. Proteins: Structure, Function and Bioinformatics, 2014, 82, 2915-2924.	1.5	13
83	Limited Digestion of Calmodulin with Trypsin in the Presence or Absence of Various Metal Ions. Journal of Biochemistry, 1986, 99, 1409-1416.	0.9	12
84	IDENTIFICATION AND DISTRIBUTION OF mRNA FOR CALCIUM-ACTIVATED NEUTRAL PROTEASE (CANP). Biomedical Research, 1988, 6, 323-327.	0.3	12
85	High Performance Liquid Chromatography of Low Molecular Weight Proteins on a Non-Ionic Macroreticular Polystyrene Resin. Journal of Liquid Chromatography and Related Technologies, 1984, 7, 1101-1115.	0.9	11
86	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
87	Phosphatidylserine Specific Binding Protein in Rat Brain: Purification and Characterization1. Journal of Biochemistry, 1993, 114, 449-452.	0.9	10
88	Analysis of the movements of helices in EF-hands. Proteins: Structure, Function and Bioinformatics, 2012, 80, 2592-2600.	1.5	10
89	Crystallization of Calcium-Calmodulin-Trifluoperazine Complex and an Attempt at Crystallizing Calcium-Free Calmodulin. Journal of Biochemistry, 1985, 97, 1815-1818.	0.9	9
90	Identification of Endogenous Substrates for Drosophila Calpain from a Salt-Extracted Fraction of Drosophila Ovaries. Journal of Biochemistry, 1997, 122, 865-871.	0.9	9

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91	Primary structure and evolution of calcium-activated neutral protease (CANP). <i>The Protein Journal</i> , 1987, 6, 7.	1.1	8
92	Isoelectric focusing of high-molecular-weight protein complex under native conditions using agarose gel. <i>Analytical Biochemistry</i> , 2009, 387, 60-63.	1.1	8
93	Conformational landscape mapping the difference between N-lobes and C-lobes of calmodulin. <i>Journal of Inorganic Biochemistry</i> , 2017, 177, 55-62.	1.5	8
94	Cell Polarity in <i>Saccharomyces cerevisiae</i> Depends on Proper Localization of the Bud9 Landmark Protein by the EKC/KEOPS Complex. <i>Genetics</i> , 2011, 188, 871-882.	1.2	7
95	Comparison of retention times of polypeptides in reversed phase high performance liquid chromatography on polystyrene resin and on alkyl bonded silica.. <i>Bunseki Kagaku</i> , 1984, 33, E301-E308.	0.1	6
96	Mutagenesis of longer inserts by the ligation of two PCR fragments amplified with a mutation primer. <i>Journal of Bioscience and Bioengineering</i> , 2009, 107, 95-97.	1.1	6
97	Multiplex detection and identification of proteins on a PVDF membrane blocked with a synthetic polymer-based reagent. <i>Electrophoresis</i> , 2008, 29, 4377-4380.	1.3	4
98	Xtr, a plural tudor domain-containing protein, coexists with FRGY2 both in cytoplasmic mRNP particle and germ plasm in <i>Xenopus</i> embryo: Its possible role in translational regulation of maternal mRNAs. <i>Development Growth and Differentiation</i> , 2009, 51, 595-605.	0.6	4
99	Interaction sites of PEF proteins for recognition of their targets. <i>International Journal of Biological Macromolecules</i> , 2019, 133, 1035-1041.	3.6	4
100	HVM: A Web-Based Tool for Alignment of EF-Hand Lobes Relative to their Local Pseudo Two-Fold Axes. <i>Protein and Peptide Letters</i> , 2015, 22, 264-269.	0.4	4
101	Analysis of Calcium-Binding Sites in Calcium-Activated Neutral Protease. <i>Advances in Experimental Medicine and Biology</i> , 1989, 255, 173-183.	0.8	3
102	Molecular Cloning and Characterization of cDNAs Coding for Apopolysialoglycoproteins in Cherry Salmon (<i>Oncorhynchus masou</i>) Eggs. <i>Journal of Biochemistry</i> , 1990, 107, 61-67.	0.9	2
103	Two-dimensional gel electrophoresis using immobilized pH gradient tube gels. , 2000, 21, 440.		2
104	Size classification method of packing materials for aqueous gel chromatography; Instrumentation of classification system and application to dextran particles.. <i>Bunseki Kagaku</i> , 1984, 33, 460-465.	0.1	1
105	Protease digestion in the presence of sodium dodecylsulfate. <i>The Protein Journal</i> , 1992, 11, 371-372.	1.1	1
106	Subcellular localization of the interaction of bipolar landmarks Bud8p and Bud9p with Rax2p in <i>Saccharomyces cerevisiae</i> diploid cells. <i>Biochemical and Biophysical Research Communications</i> , 2010, 399, 525-530.	1.0	1
107	Organization and Primary Sequence of Multiple Genes Encoding Type II mRNA Species of Rice Prepro-glutelin. <i>Agricultural and Biological Chemistry</i> , 1989, 53, 2969-2973.	0.3	0
108	[53] Cloning of leukotriene A4 hydrolase cDNA. <i>Methods in Enzymology</i> , 1990, 187, 486-491.	0.4	0

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109	S2.22 Cloning and expression of the rat cytosolic sialidase. <i>Glycoconjugate Journal</i> , 1993, 10, 239-239.	1.4	0
110	Technical Aspects of Functional Proteomics in Plants. <i>ChemInform</i> , 2004, 35, no.	0.1	0
111	Assessment of filter plates for multi-well in-gel digestion of proteins separated by polyacrylamide gel electrophoresis to identify them with LC-ESI / MSMS. <i>Journal of Electrophoresis</i> , 2005, 49, 71-75.	0.2	0