

Mamoru Matsubara

List of Publications by Year in descending order

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42
papers

1,726
citations

331670

21
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315739

38
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docs citations

42
times ranked

2041
citing authors

#	ARTICLE	IF	CITATIONS
1	Site-specific Phosphorylation of Synapsin I by Mitogen-activated Protein Kinase and Cdk5 and Its Effects on Physiological Functions. <i>Journal of Biological Chemistry</i> , 1996, 271, 21108-21113.	3.4	220
2	Demonstration of a role for α -synuclein as a functional microtubule-associated protein. <i>Journal of Alzheimer's Disease</i> , 2004, 6, 435-442.	2.6	177
3	An Expression System of Rat Calmodulin Using T7 Phage Promoter in <i>Escherichia coli</i> . <i>Protein Expression and Purification</i> , 1998, 12, 25-28.	1.3	138
4	The neuronal connexin36 interacts with and is phosphorylated by CaMKII in a way similar to CaMKII interaction with glutamate receptors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 20964-20969.	7.1	110
5	Crystal structure of a MARCKS peptide containing the calmodulin-binding domain in complex with Ca ²⁺ -calmodulin. <i>Nature Structural and Molecular Biology</i> , 2003, 10, 226-231.	8.2	106
6	Regulation of Endothelial Nitric Oxide Synthase by Protein Kinase C. <i>Journal of Biochemistry</i> , 2003, 133, 773-781.	1.7	96
7	Crystal structure of a myristoylated CAP-23/NAP-22 N-terminal domain complexed with Ca ²⁺ /calmodulin. <i>EMBO Journal</i> , 2004, 23, 712-718.	7.8	83
8	Separation of phosphoprotein isotypes having the same number of phosphate groups using phosphate-affinity SDS-PAGE. <i>Proteomics</i> , 2008, 8, 2994-3003.	2.2	81
9	Identification of the Calmodulin-binding Domain of Neuron-specific Protein Kinase C Substrate Protein CAP-22/NAP-22. <i>Journal of Biological Chemistry</i> , 1999, 274, 11848-11853.	3.4	59
10	Structure of human Fyn kinase domain complexed with staurosporine. <i>Biochemical and Biophysical Research Communications</i> , 2006, 346, 840-844.	2.1	58
11	Circular Dichroism and 1H NMR Studies on the Structures of Peptides Derived from the Calmodulin-binding Domains of Inducible and Endothelial Nitric-oxide Synthase in Solution and in Complex with Calmodulin. <i>Journal of Biological Chemistry</i> , 1997, 272, 23050-23056.	3.4	57
12	Interaction of Calmodulin-Binding Domain Peptides of Nitric Oxide Synthase with Membrane Phospholipids: Regulation by Protein Phosphorylation and Ca ²⁺ -Calmodulin. <i>Biochemistry</i> , 1996, 35, 14651-14658.	2.5	56
13	Two-dimensional phosphate-affinity gel electrophoresis for the analysis of phosphoprotein isotypes. <i>Electrophoresis</i> , 2009, 30, 550-559.	2.4	48
14	Crystal structure of human mono-phosphorylated ERK1 at Tyr204. <i>Biochemical and Biophysical Research Communications</i> , 2008, 377, 1123-1127.	2.1	46
15	Nef of HIV-1 interacts directly with calcium-bound calmodulin. <i>Protein Science</i> , 2009, 11, 529-537.	7.6	44
16	Direct Involvement of Protein Myristoylation in Myristoylated Alanine-rich C Kinase Substrate (MARCKS)-Calmodulin Interaction. <i>Journal of Biological Chemistry</i> , 2003, 278, 48898-48902.	3.4	43
17	MARCKS, a major protein kinase C substrate, assumes non-helical conformations both in solution and in complex with Ca ²⁺ -calmodulin. <i>FEBS Letters</i> , 1998, 421, 203-207.	2.8	39
18	Myristoyl moiety of HIV Nef is involved in regulation of the interaction with calmodulin in vivo. <i>Protein Science</i> , 2005, 14, 494-503.	7.6	32

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19	Circular Dichroism and 1H Nuclear Magnetic Resonance Studies on the Solution and Membrane Structures of GAP-43 Calmodulin-binding Domain. <i>Journal of Biological Chemistry</i> , 1997, 272, 7639-7645.	3.4	29
20	"Loose Folding" and "Delayed Oxidation" Procedures Successfully Applied for Refolding of Fully Reduced Hen Egg White Lysozyme.. <i>Chemical and Pharmaceutical Bulletin</i> , 1993, 41, 1207-1210.	1.3	25
21	Achievement of renaturation of subtilisin BPN' by a novel procedure using organic salts and a digestible mutant of Streptomyces subtilisin inhibitor. <i>FEBS Letters</i> , 1994, 342, 193-196.	2.8	23
22	Difference between guanidinium chloride and urea as denaturants of globular proteins: The possibility of application to improved refolding processes.. <i>Chemical and Pharmaceutical Bulletin</i> , 1992, 40, 550-552.	1.3	21
23	Renaturation of the mature subtilisin BPN' immobilized on agarose beads. <i>FEBS Letters</i> , 1994, 350, 109-112.	2.8	17
24	Neural complex-specific expression of xylosyl N-glycan in <i>Ciona intestinalis</i> . <i>Glycobiology</i> , 2007, 18, 145-151.	2.5	17
25	Design of optimum refolding solution by combination of reagents classified by specific function. <i>Journal of Bioscience and Bioengineering</i> , 1996, 82, 401-403.	0.9	15
26	Media selection for refolding of thermolysin by use of immobilized preparation. <i>Journal of Bioscience and Bioengineering</i> , 2000, 89, 188-192.	2.2	12
27	The Interaction between PSD-95 and Ca ²⁺ /Calmodulin Is Enhanced by PDZ-Binding Proteins. <i>Journal of Biochemistry</i> , 2005, 138, 177-182.	1.7	12
28	Refolding of subtilisin BPN' achieved almost quantitatively by covalent immobilization on an agarose gel.. <i>Chemical and Pharmaceutical Bulletin</i> , 1993, 41, 2063-2065.	1.3	11
29	High Performance in Refolding of <i>Streptomyces griseus</i> Trypsin by the Aid of a Mutant of <i>Streptomyces Subtilisin</i> Inhibitor Designed as Trypsin Inhibitor. <i>Journal of Biochemistry</i> , 1999, 125, 343-347.	1.7	11
30	Determination of phosphorylated amino acid residues of Rab8 from <i>Bombyx mori</i> . <i>Archives of Insect Biochemistry and Physiology</i> , 2007, 66, 89-97.	1.5	11
31	Effectiveness of exercise-induced cytokines in alleviating arthritis symptoms in arthritis model mice. <i>Okajimas Folia Anatomica Japonica</i> , 2016, 93, 81-88.	1.2	11
32	Quantitative in vitro Renaturation of Subtilisin BPN'™ without the Aid of Pro-sequence. <i>Chemistry Letters</i> , 1993, 22, 1783-1786.	1.3	5
33	A novel device to prevent osteoporosis by promoting bone metabolism using a newly developed double-loading stimulation with vibration and shaking. <i>Okajimas Folia Anatomica Japonica</i> , 2019, 96, 13-21.	1.2	4
34	Groped for a novel stimulation method for the prevention of lumbar vertebral compression pressure bone fracture and verification using a bone density drop model mouse. <i>Okajimas Folia Anatomica Japonica</i> , 2014, 91, 29-36.	1.2	3
35	Preparation of characteristic diagram for refolding of lysozyme.. <i>Chemical and Pharmaceutical Bulletin</i> , 1995, 43, 2027-2029.	1.3	2
36	Biochemical characterization of rab proteins from <i>Bombyx mori</i> . <i>Archives of Insect Biochemistry and Physiology</i> , 2009, 70, 77-89.	1.5	2

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37	Phosphorylation of small GTPase Rab proteins from <i>Bombyx mori</i> (Lepidoptera: Bombycidae). <i>European Journal of Entomology</i> , 2009, 106, 499-506.	1.2	1
38	Quantitative Dynamic Analysis of Site-Specific Phosphorylation of Myelin Basic Protein Using Mass Spectrometry and iTRAQ Reagent. <i>Journal of the Mass Spectrometry Society of Japan</i> , 2009, 57, 249-254.	0.1	1
39	Involvement of basic amphiphilic α -helical domain in the reversible membrane interaction of amphitropic proteins: Structural studies by mass spectrometry, circular dichroism, and nuclear magnetic resonance. <i>Techniques in Protein Chemistry</i> , 1997, , 555-564.	0.3	0
40	The Role of Protein Myristoylation in Protein-Lipid and Protein-Protein Interactions. <i>Seibutsu Butsuri</i> , 2005, 45, 128-133.	0.1	0
41	Partial Purification and Characterization of the Rat Parotid Gland Protein Kinase Catalyzing Phosphorylation of Matured Dextrin at Ser-2. <i>Advances in Enzyme Research</i> , 2014, 02, 100-112.	1.6	0
42	Effect of shaking and vibration stimulation on lumbar vertebrae in ovariectomized mice.. , 2019, 5, 57-62.		0