

Kaori Wakamatsu

List of Publications by Year in descending order

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docs citations

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times ranked

2358
citing authors

#	ARTICLE	IF	CITATIONS
1	TDAG8 Is a Proton-sensing and Psychosine-sensitive G-protein-coupled Receptor. <i>Journal of Biological Chemistry</i> , 2004, 279, 45626-45633.	1.6	210
2	Conformational change of mastoparan from wasp venom on binding with phospholipid membrane. <i>FEBS Letters</i> , 1983, 152, 227-230.	1.3	163
3	The adaptor protein p40phox as a positive regulator of the superoxide-producing phagocyte oxidase. <i>EMBO Journal</i> , 2002, 21, 6312-6320.	3.5	128
4	Membrane-bound conformation of mastoparan-X, a G-protein-activating peptide. <i>Biochemistry</i> , 1992, 31, 5654-5660.	1.2	122
5	Release of cytokines/chemokines and cell death in UVB-irradiated human keratinocytes, HaCaT. <i>Cell Biology International</i> , 2008, 32, 1405-1411.	1.4	122
6	Vesicle-Bound Conformation of Melittin: Transferred Nuclear Overhauser Enhancement Analysis in the Presence of Perdeuterated Phosphatidylcholine Vesicles. <i>Biochemistry</i> , 1994, 33, 9438-9446.	1.2	95
7	Structure-activity relationships of μ -conotoxin GIIIA: structure determination of active and inactive sodium channel blocker peptides by NMR and simulated annealing calculations. <i>Biochemistry</i> , 1992, 31, 12577-12584.	1.2	92
8	A new general method for the biosynthesis of stable isotope-enriched peptides using a decahistidine-tagged ubiquitin fusion system: an application to the production of mastoparan-X uniformly enriched with ^{15}N and $^{15}\text{N}/^{13}\text{C}$. <i>Journal of Biomolecular NMR</i> , 1998, 12, 109-121.	1.6	85
9	Dimer structure of magainin 2 bound to phospholipid vesicles. <i>Biopolymers</i> , 2002, 64, 314-327.	1.2	79
10	Structure of Tightly Membrane-Bound Mastoparan-X, a G-Protein-Activating Peptide, Determined by Solid-State NMR. <i>Biophysical Journal</i> , 2006, 91, 1368-1379.	0.2	74
11	Isolation of fatty acid amide as an angiogenic principle from bovine mesentery. <i>Biochemical and Biophysical Research Communications</i> , 1990, 168, 423-429.	1.0	73
12	Effects of peptide dimerization on pore formation: Antiparallel disulfide-dimerized magainin 2 analogue. <i>Biopolymers</i> , 2001, 58, 437-446.	1.2	67
13	Transferred NOE analyses of conformations of peptides as bound to membrane bilayer of phospholipid; mastoparan-X. <i>FEBS Letters</i> , 1983, 162, 123-126.	1.3	61
14	Cryptides: Functional cryptic peptides hidden in protein structures. <i>Biopolymers</i> , 2007, 88, 190-198.	1.2	59
15	G Protein-Bound Conformation of Mastoparan-X: Heteronuclear Multidimensional Transferred Nuclear Overhauser Effect Analysis of Peptide Uniformly Enriched with ^{13}C and ^{15}N . <i>Biochemistry</i> , 1998, 37, 4782-4790.	1.2	58
16	Influence of pH on Heat-Induced Aggregation and Degradation of Therapeutic Monoclonal Antibodies. <i>Biological and Pharmaceutical Bulletin</i> , 2010, 33, 1413-1417.	0.6	58
17	Structural basis for cargo binding and autoinhibition of Bicaudal-D1 by a parallel coiled-coil with homotypic registry. <i>Biochemical and Biophysical Research Communications</i> , 2015, 460, 451-456.	1.0	43
18	Fucose content of monoclonal antibodies can be controlled by culture medium osmolality for high antibody-dependent cellular cytotoxicity. <i>Cytotechnology</i> , 2012, 64, 249-265.	0.7	40

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19	Î± Helix Content of G Protein Î± Subunit Is Decreased upon Activation by Receptor Mimetics. <i>Journal of Biological Chemistry</i> , 1998, 273, 3247-3252.	1.6	38
20	Signal assignments and chemical-shift structural analysis of uniformly ¹³ C, ¹⁵ N-labeled peptide, mastoparan-X, by multidimensional solid-state NMR under magic-angle spinning. <i>Journal of Biomolecular NMR</i> , 2004, 28, 311-325.	1.6	38
21	Conformations of yeast alpha-mating factor and analog peptides as bound to phospholipid bilayer. Correlation of membrane-bound conformation with physiological activity. <i>FEBS Journal</i> , 1987, 163, 331-338.	0.2	37
22	Binding site of C-reactive protein on M-ficolin. <i>Molecular Immunology</i> , 2009, 47, 215-221.	1.0	31
23	Nuclear-magnetic-resonance studies on the conformation of membrane-bound alpha-mating factor. Transferred nuclear Overhauser effect analysis. <i>FEBS Journal</i> , 1986, 154, 607-615.	0.2	29
24	Discovery of Mitocryptide-1, a Neutrophil-activating Cryptide from Healthy Porcine Heart. <i>Journal of Biological Chemistry</i> , 2008, 283, 30596-30605.	1.6	26
25	Prevention of Stirring-Induced Microparticle Formation in Monoclonal Antibody Solutions. <i>Biological and Pharmaceutical Bulletin</i> , 2010, 33, 1043-1046.	0.6	25
26	Inhibitory effects of cholineâ€œsulfate on amyloid formation of human islet amyloid polypeptide. <i>FEBS Open Bio</i> , 2012, 2, 20-25.	1.0	25
27	Loss of Glutamate Decarboxylase 67 in Somatostatin-Expressing Neurons Leads to Anxiety-Like Behavior and Alteration in the Akt/GSK3Î² Signaling Pathway. <i>Frontiers in Behavioral Neuroscience</i> , 2019, 13, 131.	1.0	25
28	Direct in Situ Measurement of Phospholipid Hydration in an Aqueous Environment Using a Quartz Crystal Microbalance. <i>Analytical Chemistry</i> , 1995, 67, 3336-3341.	3.2	24
29	Purification of acidic fibroblast growth factor from bovine omentum. <i>Biochemical and Biophysical Research Communications</i> , 1989, 161, 169-175.	1.0	22
30	Efficient folding/assembly in Chinese hamster ovary cells is critical for high quality (low aggregate) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 analyses. <i>Journal of Bioscience and Bioengineering</i> , 2014, 118, 223-230.	1.1	17
31	Direct Determination of a Membrane-Peptide Interface Using the Nuclear Magnetic Resonance Cross-Saturation Method. <i>Biophysical Journal</i> , 2005, 89, 4051-4055.	0.2	14
32	Comparison of Antibody Molecules Produced from Two Cell Lines with Contrasting Productivities and Aggregate Contents. <i>Biological and Pharmaceutical Bulletin</i> , 2015, 38, 306-316.	0.6	13
33	Circular Dichroism Studies of the Interaction between Synthetic Peptides Corresponding to Intracellular Loops of Î²-Adrenergic Receptors and Phospholipid Vesicles1. <i>Journal of Biochemistry</i> , 1994, 115, 463-468.	0.9	11
34	Relationship between human IgG structure and retention time in hydroxyapatite chromatography with sodium chloride gradient elution. <i>Journal of Separation Science</i> , 2010, 33, 2045-2051.	1.3	11
35	Structural characterization of the BH3-like motif of hepatitis B virus X protein. <i>Biochemical and Biophysical Research Communications</i> , 2014, 450, 741-745.	1.0	11
36	Identification of Candidate Genes for Generalized Tonicâ€œClonic Seizures in Noda Epileptic Rat. <i>Behavior Genetics</i> , 2017, 47, 609-619.	1.4	11

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37	Synthesis and Properties of High Molecular Weight Polypeptides Containing Proline. Bulletin of the Chemical Society of Japan, 1993, 66, 1269-1272.	2.0	10
38	Interaction of anti-aggregation agent dimethylethylammonium propane sulfonate with acidic fibroblast growth factor. Journal of Magnetic Resonance, 2008, 194, 147-151.	1.2	10
39	Relationship between human IgG structure and retention time in hydroxyapatite chromatography with sodium phosphate gradient elution. Journal of Separation Science, 2010, 33, 37-45.	1.3	10
40	Isolation and identification of hemin as an endogenous Na ⁺ K ⁺ -ATPase inhibitor from porcine blood cells. Biochemical and Biophysical Research Communications, 1991, 178, 95-103.	1.0	9
41	Peptide fragment of the m3 muscarinic acetylcholine receptor activates G _q but not G _{i2} . Journal of Peptide Science, 2008, 14, 998-1002.	0.8	8
42	Observation of Protein and Lipid Membrane Structures in a Model Mimicking the Molecular-Crowding Environment of Cells Using Neutron Scattering and Cell Debris. Journal of Physical Chemistry B, 2019, 123, 3189-3198.	1.2	8
43	Molecular design of multicomponent polyamino acids as functional biopolymers.. Kobunshi Ronbunshu, 1991, 48, 239-246.	0.2	7
44	Enhancement of antibody production by the addition of Coenzyme-Q10. Cytotechnology, 2011, 63, 163-170.	0.7	7
45	Synthesis and Properties of High-Molecular-Weight Polypeptides Containing Tryptophan II. Copolypeptides of Tryptophan with Various Amino Acids. Bulletin of the Chemical Society of Japan, 1996, 69, 791-796.	2.0	6
46	Structural basis for Ccd1 auto-inhibition in the Wnt pathway through homomerization of the DIX domain. Scientific Reports, 2017, 7, 7739.	1.6	6
47	Cation exchange chromatography performed in overloaded mode is effective in removing viruses during the manufacturing of monoclonal antibodies. Biotechnology Progress, 2019, 35, e2858.	1.3	6
48	Mastoparan as a G Protein Activator. , 2000, , 116-126.		6
49	Crystallization and preliminary X-ray crystallographic analysis of the receptor-uncoupled mutant of Gl α 1. Acta Crystallographica Section F: Structural Biology Communications, 2007, 63, 139-141.	0.7	5
50	Titer of trastuzumab produced by a Chinese hamster ovary cell line is associated with tricarboxylic acid cycle activity rather than lactate metabolism. Journal of Bioscience and Bioengineering, 2015, 119, 478-485.	1.1	5
51	Expression, purification and characterization of hepatitis B virus X protein BH3-like motif-linker-Bcl-xL fusion protein for structural studies. Biochemistry and Biophysics Reports, 2017, 9, 159-165.	0.7	5
52	Solution structure of the first RNA recognition motif domain of human spliceosomal protein SF3b49 and its mode of interaction with a SF3b145 fragment. Protein Science, 2017, 26, 280-291.	3.1	5
53	Changes of urine metabolite profiles are induced by inactivated influenza vaccine inoculations in mice. Scientific Reports, 2019, 9, 16249.	1.6	5
54	NMR characterization of the interaction between Bcl-xL and the BH3-like motif of hepatitis B virus X protein. Biochemical and Biophysical Research Communications, 2019, 518, 445-450.	1.0	5

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55	Synthesis and Properties of Multicomponent Synthetic Polypeptides. <i>Polymer Journal</i> , 1993, 25, 659-669.	1.3	4
56	High-Efficiency and Robust Expression System for Stable Isotope-Labeled Peptides. <i>International Journal of Peptide Research and Therapeutics</i> , 2008, 14, 157-165.	0.9	4
57	Crystallographic characterization of the C-terminal coiled-coil region of mouse Bicaudal-D1 (BICD1). <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2014, 70, 1103-1106.	0.4	4
58	A novel neuropilin-1 binding sequence in the human T-cell lymphotropic virus type 1 envelope glycoprotein. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2018, 1866, 541-548.	1.1	4
59	The prevention of an anomalous chromatographic behavior and the resulting successful removal of viruses from monoclonal antibody with an asymmetric charge distribution by using a membrane adsorber in highly efficient, anion exchange chromatography in flow-through mode. <i>Biotechnology Progress</i> , 2020, 36, e2955.	1.3	4
60	One-Step Affinity Purification of the G Protein $\beta\gamma$ Subunits from Bovine Brain Using a Histidine-Tagged G Protein β Subunit. <i>Protein Expression and Purification</i> , 1999, 15, 207-212.	0.6	3
61	GDP-GTP Exchange Processes of G α 1 Protein are Accelerated/Decelerated Depending on the Type and the Concentration of Added Detergents. <i>Journal of Biochemistry</i> , 2009, 146, 875-880.	0.9	3
62	Protein stabilizer, NDSB-195, enhances the dynamics of the β -loop of ubiquitin. <i>Journal of Peptide Science</i> , 2016, 22, 174-180.	0.8	3
63	In-frame Val 216 -Ser 217 deletion of KIT in mild piebaldism causes aberrant secretion and SCF response. <i>Journal of Dermatological Science</i> , 2018, 91, 35-42.	1.0	3
64	Identification and Characterization of a Monoclonal Antibody Variant Species with a Clipping in the Complementarity Determining Region Isolated by Size Exclusion Chromatography Under Native Conditions. <i>Journal of Pharmaceutical Sciences</i> , 2021, 110, 3367-3374.	1.6	3
65	Synthesis and Properties of High-Molecular-Weight Polypeptides Containing Tryptophan III. Synthesis and Properties of Copolypeptides Containing 1-Nin-Formyltryptophan with Alanine. <i>Bulletin of the Chemical Society of Japan</i> , 1997, 70, 1709-1715.	2.0	2
66	A sensitive and reliable quantification method for mouse interleukin-12 p70 based on fluorometric sandwich ELISA (FS-ELISA). <i>Cell Biology International</i> , 2007, 31, 173-179.	1.4	2
67	Evaluation of the Aggregation States of Monoclonal Antibodies by Diverse and Complementary Methods. <i>Biological and Pharmaceutical Bulletin</i> , 2011, 34, 1273-1278.	0.6	2
68	A rapid method for simultaneous evaluation of free light chain content and aggregate content in culture media of Chinese hamster ovary cells expressing monoclonal antibodies for cell line screening. <i>Journal of Bioscience and Bioengineering</i> , 2016, 121, 464-470.	1.1	2
69	Interaction Between Diverse Synthetic Polypeptides in Aqueous Solution.. <i>Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Industrial Chemistry Journal</i> , 1993, 1993, 962-966.	0.1	1
70	Effect of Proline Residue in Polypeptides on the Interactions between Polypeptides and DNA. <i>Bulletin of the Chemical Society of Japan</i> , 1997, 70, 1451-1458.	2.0	1
71	The N93D mutation of the human T-cell leukemia virus type 1 envelope glycoprotein found in symptomatic patients enhances neuropilin-1 b1 domain binding. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2021, 1869, 140708.	1.1	1
72	Effects of peptide dimerization on pore formation: Antiparallel disulfide-dimerized magainin 2 analogue. <i>Biopolymers</i> , 2001, 58, 437-446.	1.2	1

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73	Refolding Additive, Dimethylbenzylammonium Propane Sulfonate (NDSB- 256), Accelerates Gly-Pro cis-trans Isomerization. Protein and Peptide Letters, 2015, 22, 234-238.	0.4	1
74	Conformational Transition of Copolypeptides with both Hydrophilic and Hydrophobic Groups Side Chains.. Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Industrial Chemistry Journal, 1995, 1995, 382-387.	0.1	0
75	1P083 Peptide fragment of m4 muscarinic receptor activates Gi/o but not Gq(2. Protein function) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	0.0	0
76	2P050 Structural Analysis of G-Protein-Bound Mastoparan-X by Solid-State NMR(29. Protein structure) Tj ETQq0 0 0 rgBT /Overlock 10 T 46, S308.	0.0	0
77	3P061 Prevention of protein aggregation by NDSB and its application to NMR measurements(Proteins-stability, folding, and other physicochemical properties,Oral Presentations). Seibutsu Butsurei, 2007, 47, S218.	0.0	0
78	3P-095 NMR analyses on the interactions between Tim21 for mitochondrial protein import and Qcr6 of the respiratory chain complex in mitochondria(The 46th Annual Meeting of the Biophysical Society of) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.0	0
79	3P-002 Stabilization of proteins by NDSB for solution NMR measurements at elevated temperatures(The) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	0.0	0
80	Inhibition of Protein Aggregation: SAXS Study on the Role of the $\hat{I}\pm C$ Region of Fibrinogen in the Fibrin Polymerization. Key Engineering Materials, 0, 497, 41-46.	0.4	0
81	Effect of Deglycosylation on the Fibrin Polymerization Depending on NaCl Concentration. Key Engineering Materials, 2013, 596, 213-218.	0.4	0
82	Desialylation of N-Linked Carbohydrate Chain of Fibrinogen. Key Engineering Materials, 0, 534, 241-246.	0.4	0
83	Biochemical characterization of a heterotrimeric Gi-protein activator peptide designed from the junction between the intracellular third loop and sixth transmembrane helix in the m4 muscarinic acetylcholine receptor. Biochemical and Biophysical Research Communications, 2015, 463, 64-69.	1.0	0
84	Melanocyte lineage cells in piebald skin. Journal of Dermatology, 2019, 46, 816-818.	0.6	0
85	Effect of NDSB on the Protein Aggregation. Transactions of the Materials Research Society of Japan, 2008, 33, 479-482.	0.2	0
86	Disc-shaped Mixed Micelle Formation Constituted of Phospholipids with Different Acyl Groups. Transactions of the Materials Research Society of Japan, 2008, 33, 475-478.	0.2	0