

# Kaori Wakamatsu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7857071/publications.pdf>

Version: 2024-02-01

86  
papers

2,209  
citations

257101

24  
h-index

223531

46  
g-index

88  
all docs

88  
docs citations

88  
times ranked

2358  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	Loss of Glutamate Decarboxylase 67 in Somatostatin-Expressing Neurons Leads to Anxiety-Like Behavior and Alteration in the Akt/GSK3 $\beta$ Signaling Pathway. <i>Frontiers in Behavioral Neuroscience</i> , 2019, 13, 131.	1.0	25
5	Melanocyte lineage cells in piebald skin. <i>Journal of Dermatology</i> , 2019, 46, 816-818.	0.6	0
6	Changes of urine metabolite profiles are induced by inactivated influenza vaccine inoculations in mice. <i>Scientific Reports</i> , 2019, 9, 16249.	1.6	5
7	NMR characterization of the interaction between Bcl-xL and the BH3-like motif of hepatitis B virus X protein. <i>Biochemical and Biophysical Research Communications</i> , 2019, 518, 445-450.	1.0	5
8	Cation exchange chromatography performed in overloaded mode is effective in removing viruses during the manufacturing of monoclonal antibodies. <i>Biotechnology Progress</i> , 2019, 35, e2858.	1.3	6
9	Observation of Protein and Lipid Membrane Structures in a Model Mimicking the Molecular-Crowding Environment of Cells Using Neutron Scattering and Cell Debris. <i>Journal of Physical Chemistry B</i> , 2019, 123, 3189-3198.	1.2	8
10	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
11	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
12	Expression, purification and characterization of hepatitis B virus X protein BH3-like motif-linker-Bcl-xL fusion protein for structural studies. <i>Biochemistry and Biophysics Reports</i> , 2017, 9, 159-165.	0.7	5
13	Structural basis for Ccd1 auto-inhibition in the Wnt pathway through homomerization of the DIX domain. <i>Scientific Reports</i> , 2017, 7, 7739.	1.6	6
14	Solution structure of the first RNA recognition motif domain of human spliceosomal protein SF3b49 and its mode of interaction with a SF3b145 fragment. <i>Protein Science</i> , 2017, 26, 280-291.	3.1	5
15	Identification of Candidate Genes for Generalized Tonic-Clonic Seizures in Noda Epileptic Rat. <i>Behavior Genetics</i> , 2017, 47, 609-619.	1.4	11
16	Protein stabilizer, NDSB-195, enhances the dynamics of the $\beta$ 2-loop of ubiquitin. <i>Journal of Peptide Science</i> , 2016, 22, 174-180.	0.8	3
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	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. <i>Biochemical and Biophysical Research Communications</i> , 2015, 463, 64-69.	1.0	0
20	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
21	Titer of trastuzumab produced by a Chinese hamster ovary cell line is associated with tricarboxylic acid cycle activity rather than lactate metabolism. <i>Journal of Bioscience and Bioengineering</i> , 2015, 119, 478-485.	1.1	5
22	Refolding Additive, Dimethylbenzylammonium Propane Sulfonate (NDSB- 256), Accelerates Gly-Pro cis-trans Isomerization. <i>Protein and Peptide Letters</i> , 2015, 22, 234-238.	0.4	1
23	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
24	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
25	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
26	Effect of Deglycosylation on the Fibrin Polymerization Depending on NaCl Concentration. <i>Key Engineering Materials</i> , 2013, 596, 213-218.	0.4	0
27	Inhibitory effects of cholineâ€œ sulfate on amyloid formation of human islet amyloid polypeptide. <i>FEBS Open Bio</i> , 2012, 2, 20-25.	1.0	25
28	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
29	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
30	Enhancement of antibody production by the addition of Coenzyme-Q10. <i>Cytotechnology</i> , 2011, 63, 163-170.	0.7	7
31	Prevention of Stirring-Induced Microparticle Formation in Monoclonal Antibody Solutions. <i>Biological and Pharmaceutical Bulletin</i> , 2010, 33, 1043-1046.	0.6	25
32	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
33	Relationship between human IgG structure and retention time in hydroxyapatite chromatography with sodiumâ€œ phosphate gradient elution. <i>Journal of Separation Science</i> , 2010, 33, 37-45.	1.3	10
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	GDP-GTP Exchange Processes of GÂi1 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
36	Binding site of C-reactive protein on M-ficolin. <i>Molecular Immunology</i> , 2009, 47, 215-221.	1.0	31

#	ARTICLE	IF	CITATIONS
37	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
38	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
39	Peptide fragment of the m3 muscarinic acetylcholine receptor activates G <sub>q</sub> but not G <sub>i2</sub> . <i>Journal of Peptide Science</i> , 2008, 14, 998-1002.	0.8	8
40	Interaction of anti-aggregation agent dimethylethylammonium propane sulfonate with acidic fibroblast growth factor. <i>Journal of Magnetic Resonance</i> , 2008, 194, 147-151.	1.2	10
41	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
42	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
43	3P-002 Stabilization of proteins by NDSB for solution NMR measurements at elevated temperatures(The Tj ETQq1 1 0.784314 rgBT /Ov	0.0	0
44	Effect of NDSB on the Protein Aggregation. <i>Transactions of the Materials Research Society of Japan</i> , 2008, 33, 479-482.	0.2	0
45	Disc-shaped Mixed Micelle Formation Constituted of Phospholipids with Different Acyl Groups. <i>Transactions of the Materials Research Society of Japan</i> , 2008, 33, 475-478.	0.2	0
46	3P061 Prevention of protein aggregation by NDSB and its application to NMR measurements(Proteins-stability, folding, and other physicochemical properties,Oral Presentations). <i>Seibutsu Butsuri</i> , 2007, 47, S218.	0.0	0
47	Cryptides: Functional cryptic peptides hidden in protein structures. <i>Biopolymers</i> , 2007, 88, 190-198.	1.2	59
48	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
49	Crystallization and preliminary X-ray crystallographic analysis of the receptor-uncoupled mutant of G <sub>i1</sub> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2007, 63, 139-141.	0.7	5
50	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
51	1P083 Peptide fragment of m4 muscarinic receptor activates Gi/o but not Gq(2. Protein function) Tj ETQq1 1 0.784314 rgBT /Overlock	0.0	0
52	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
53	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
54	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

#	ARTICLE	IF	CITATIONS
55	Signal assignments and chemical-shift structural analysis of uniformly <sup>13</sup> C, <sup>15</sup> 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
56	Dimer structure of magainin 2 bound to phospholipid vesicles. <i>Biopolymers</i> , 2002, 64, 314-327.	1.2	79
57	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
58	Effects of peptide dimerization on pore formation: Antiparallel disulfide-dimerized magainin 2 analogue. <i>Biopolymers</i> , 2001, 58, 437-446.	1.2	67
59	Effects of peptide dimerization on pore formation: Antiparallel disulfide-dimerized magainin 2 analogue. <i>Biopolymers</i> , 2001, 58, 437-446.	1.2	1
60	Mastoparan as a G Protein Activator. , 2000, , 116-126.		6
61	One-Step Affinity Purification of the G Protein $\beta\gamma$ Subunits from Bovine Brain Using a Histidine-Tagged G Protein $\beta$ Subunit. <i>Protein Expression and Purification</i> , 1999, 15, 207-212.	0.6	3
62	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 <sup>15</sup> N and <sup>15</sup> N/ <sup>13</sup> C. <i>Journal of Biomolecular NMR</i> , 1998, 12, 109-121.	1.6	85
63	G Protein-Bound Conformation of Mastoparan-X: Heteronuclear Multidimensional Transferred Nuclear Overhauser Effect Analysis of Peptide Uniformly Enriched with <sup>13</sup> C and <sup>15</sup> N. <i>Biochemistry</i> , 1998, 37, 4782-4790.	1.2	58
64	$\beta$ Helix Content of G Protein $\beta$ Subunit Is Decreased upon Activation by Receptor Mimetics. <i>Journal of Biological Chemistry</i> , 1998, 273, 3247-3252.	1.6	38
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	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
67	Synthesis and Properties of High-Molecular-Weight Polypeptides Containing Tryptophan II. Copolypeptides of Tryptophan with Various Amino Acids. <i>Bulletin of the Chemical Society of Japan</i> , 1996, 69, 791-796.	2.0	6
68	Conformational Transition of Copolypeptides with both Hydrophilic and Hydrophobic Groups Side Chains. <i>Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Industrial Chemistry Journal</i> , 1995, 1995, 382-387.	0.1	0
69	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
70	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
71	Circular Dichroism Studies of the Interaction between Synthetic Peptides Corresponding to Intracellular Loops of $\beta_2$ -Adrenergic Receptors and Phospholipid Vesicles. <i>Journal of Biochemistry</i> , 1994, 115, 463-468.	0.9	11
72	Synthesis and Properties of Multicomponent Synthetic Polypeptides. <i>Polymer Journal</i> , 1993, 25, 659-669.	1.3	4

#	ARTICLE	IF	CITATIONS
73	Synthesis and Properties of High Molecular Weight Polypeptides Containing Proline. Bulletin of the Chemical Society of Japan, 1993, 66, 1269-1272.	2.0	10
74	Interaction Between Diverse Synthetic Polypeptides in Aqueous Solution.. Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Industrial Chemistry Journal, 1993, 1993, 962-966.	0.1	1
75	Structure-activity relationships of .mu.-conotoxin GIIIA: structure determination of active and inactive sodium channel blocker peptides by NMR and simulated annealing calculations. Biochemistry, 1992, 31, 12577-12584.	1.2	92
76	Membrane-bound conformation of mastoparan-X, a G-protein-activating peptide. Biochemistry, 1992, 31, 5654-5660.	1.2	122
77	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
78	Molecular design of multicomponent polyamino acids as functional biopolymers.. Kobunshi Ronbunshu, 1991, 48, 239-246.	0.2	7
79	Isolation of fatty acid amide as an angiogenic principle from bovine mesentery. Biochemical and Biophysical Research Communications, 1990, 168, 423-429.	1.0	73
80	Purification of acidic fibroblast growth factor from bovine omentum. Biochemical and Biophysical Research Communications, 1989, 161, 169-175.	1.0	22
81	Conformations of yeast alpha-mating factor and analog peptides as bound to phospholipid bilayer. Correlation of membrane-bound conformation with physiological activity. FEBS Journal, 1987, 163, 331-338.	0.2	37
82	Nuclear-magnetic-resonance studies on the conformation of membrane-bound alpha-mating factor. Transferred nuclear Overhauser effect analysis. FEBS Journal, 1986, 154, 607-615.	0.2	29
83	Conformational change of mastoparan from wasp venom on binding with phospholipid membrane. FEBS Letters, 1983, 152, 227-230.	1.3	163
84	Transferred NOE analyses of conformations of peptides as bound to membrane bilayer of phospholipid; mastoparan-X. FEBS Letters, 1983, 162, 123-126.	1.3	61
85	Inhibition of Protein Aggregation: SAXS Study on the Role of the $\hat{\pm}$ C Region of Fibrinogen in the Fibrin Polymerization. Key Engineering Materials, 0, 497, 41-46.	0.4	0
86	Desialylation of N-Linked Carbohydrate Chain of Fibrinogen. Key Engineering Materials, 0, 534, 241-246.	0.4	0