

# Hiroshi Takemoto

## List of Publications by Year in descending order

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47  
papers

1,605  
citations

331670

21  
h-index

302126

39  
g-index

48  
all docs

48  
docs citations

48  
times ranked

2170  
citing authors

#	ARTICLE	IF	CITATIONS
1	Microquantitative analysis of neutral and amino sugars as fluorescent pyridylamino derivatives by high-performance liquid chromatography. <i>Analytical Biochemistry</i> , 1985, 145, 245-250.	2.4	172
2	Dynamic Modification of Sphingomyelin in Lipid Microdomains Controls Development of Obesity, Fatty Liver, and Type 2 Diabetes. <i>Journal of Biological Chemistry</i> , 2011, 286, 28544-28555.	3.4	162
3	Structural reorganization of the bacterial cell-division protein FtsZ from <i>Staphylococcus aureus</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2012, 68, 1175-1188.	2.5	154
4	Structure of a Sugar Chain of a Protease Inhibitor Isolated from Barbados Pride ( <i>Caesalpinia</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 T	1.7	141
5	An Essential Epitope of Anti-MUC1 Monoclonal Antibody KL-6 Revealed by Focused Glycopeptide Library. <i>Journal of the American Chemical Society</i> , 2009, 131, 17102-17109.	13.7	76
6	GTP Hydrolysis by the Rho Family GTPase TC10 Promotes Exocytic Vesicle Fusion. <i>Developmental Cell</i> , 2006, 11, 411-421.	7.0	62
7	Highly Oriented Recombinant Glycosyltransferases: Site-Specific Immobilization of Unstable Membrane Proteins by Using <i>Staphylococcus aureus</i> Sortase A. <i>Biochemistry</i> , 2010, 49, 2604-2614.	2.5	55
8	Bone Marrow Stromal Cells Rescue Ischemic Brain by Trophic Effects and Phenotypic Change Toward Neural Cells. <i>Neurorehabilitation and Neural Repair</i> , 2015, 29, 80-89.	2.9	54
9	Conformational Restriction Approach to $\beta$ -Secretase (BACE1) Inhibitors: Effect of a Cyclopropane Ring To Induce an Alternative Binding Mode. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 8838-8858.	6.4	50
10	Potent inhibitor scaffold against <i>Trypanosoma cruzi</i> trans-sialidase. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 1633-1640.	3.0	48
11	The Structure of Sugar Chains of Japanese Quail Ovomuroid. The Occurrence of Oligosaccharides Not Expected from the Classical Biosynthetic Pathway for N-Glycans; A Method for the Assessment of the Structure of Glycans Present in Picomolar Amounts. <i>Journal of Biochemistry</i> , 1986, 99, 1725-1733.	1.7	41
12	Expansion of Antibacterial Spectrum of Muraymycins toward <i>Pseudomonas aeruginosa</i> . <i>ACS Medicinal Chemistry Letters</i> , 2014, 5, 556-560.	2.8	38
13	Functional Neoglycopeptides: Synthesis and Characterization of a New Class of MUC1 Glycoprotein Models Having Core 2-Based <i>O</i> -Glycan and Complex-Type <i>N</i> -Glycan Chains. <i>Biochemistry</i> , 2009, 48, 11117-11133.	2.5	37
14	An Efficient Approach to the Discovery of Potent Inhibitors against Glycosyltransferases. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 5607-5619.	6.4	37
15	Total Synthesis of Pacidamycin D by Cu(I)-Catalyzed Oxy Enamide Formation. <i>Organic Letters</i> , 2011, 13, 5240-5243.	4.6	32
16	A simple and rapid assay for heparanase activity using homogeneous time-resolved fluorescence. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2006, 41, 912-917.	2.8	31
17	Possible roles of long-chain sphingomyelins and sphingomyelin synthase 2 in mouse macrophage inflammatory response. <i>Biochemical and Biophysical Research Communications</i> , 2017, 482, 202-207.	2.1	30
18	Total Synthesis and Biological Evaluation of Pacidamycin D and Its $\beta$ -Hydroxy Analogue. <i>Journal of Organic Chemistry</i> , 2012, 77, 1367-1377.	3.2	29

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19	Antisense peptide nucleic acid-peptide conjugates for functional analyses of genes in <i>Pseudomonas aeruginosa</i> . <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 7234-7239.	3.0	28
20	The effect of a novel, small non-peptidyl molecule butyzamide on human thrombopoietin receptor and megakaryopoiesis. <i>Haematologica</i> , 2008, 93, 1495-1504.	3.5	26
21	Development of high-throughput spermidine synthase activity assay using homogeneous time-resolved fluorescence. <i>Analytical Biochemistry</i> , 2006, 351, 229-240.	2.4	22
22	In-crystal affinity ranking of fragment hit compounds reveals a relationship with their inhibitory activities. <i>Journal of Applied Crystallography</i> , 2011, 44, 798-804.	4.5	21
23	Generation of Novel Anti-MUC1 Monoclonal Antibodies with Designed Carbohydrate Specificities Using MUC1 Glycopeptide Library. <i>ACS Omega</i> , 2017, 2, 7493-7505.	3.5	21
24	Conditioned media of glial cell lines induce alkaline phosphatase activity in cultured artery endothelial cells Identification of interleukin-6 as an induction factor. <i>FEBS Letters</i> , 1994, 350, 99-103.	2.8	20
25	Characterization of novel non-peptide thrombopoietin mimetics, their species specificity and the activation mechanism of the thrombopoietin receptor. <i>European Journal of Pharmacology</i> , 2008, 586, 44-51.	3.5	19
26	Synthesis of pacidamycin analogues via an Ugi-multicomponent reaction. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 4810-4815.	2.2	19
27	Discovery of novel differentiation markers in the early stage of chondrogenesis by glycoform-focused reverse proteomics and genomics. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2014, 1840, 645-655.	2.4	19
28	High Throughput Screening for Human Interferon- $\gamma$ Production Inhibitor Using Homogenous Time-Resolved Fluorescence. <i>Journal of Biomolecular Screening</i> , 2000, 5, 263-268.	2.6	17
29	Conformational restriction approach to BACE1 inhibitors II: SAR study of the isocytosine derivatives fixed with a cis-cyclopropane ring. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 2912-2915.	2.2	17
30	Conformational restriction approach to $\beta$ -secretase (BACE1) inhibitors III: Effective investigation of the binding mode by combinational use of X-ray analysis, isothermal titration calorimetry and theoretical calculations. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 6506-6522.	3.0	16
31	Suppressive Effects of Irbesartan on Inflammation and Apoptosis in Atherosclerotic Plaques of apoE <sup>-/-</sup> Mice: Molecular Imaging with <sup>14</sup> C-FDG and <sup>99m</sup> Tc-Annexin A5. <i>PLoS ONE</i> , 2014, 9, e89338.	2.5	16
32	Anti-Human IgE Monoclonal Antibodies Recognizing Epitopes Related to the Binding Sites of High and Low Affinity IgE Receptors. <i>Microbiology and Immunology</i> , 1994, 38, 63-71.	1.4	10
33	High-throughput miniaturized immunoassay for human interleukin-13 secreted from NK3.3 cells using homogenous time-resolved fluorescence. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2002, 28, 73-79.	2.8	10
34	A Strategy for Neuraminidase Inhibitors Using Mechanism-Based Labeling Information. <i>Chemistry - an Asian Journal</i> , 2011, 6, 1048-1056.	3.3	10
35	Destruxin E Decreases Beta-Amyloid Generation by Reducing Colocalization of Beta-Amyloid-Cleaving Enzyme 1 and Beta-Amyloid Protein Precursor. <i>Neurodegenerative Diseases</i> , 2009, 6, 230-239.	1.4	9
36	Recognition of rheumatoid arthritis synovial antigen by CD4 <sup>+</sup> ,CD8 <sup>-</sup> T cell clones established from rheumatoid arthritis joints. <i>Arthritis and Rheumatism</i> , 1998, 41, 92-100.	6.7	8

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37	In-crystal chemical ligation for lead compound generation. <i>Journal of Applied Crystallography</i> , 2010, 43, 1329-1337.	4.5	8
38	Long-term Culture of Human iPS Cell-derived Telencephalic Neuron Aggregates on Collagen Gel. <i>Cell Structure and Function</i> , 2018, 43, 85-94.	1.1	7
39	Discovery of novel non-peptide thrombopoietin mimetic compounds that induce megakaryocytopoiesis. <i>Bioscience Reports</i> , 2008, 28, 275-285.	2.4	6
40	Quantitative Determination of Apoptosis of Pancreatic $\beta$ -Cells in a Murine Model of Type 1 Diabetes Mellitus. <i>Journal of Nuclear Medicine</i> , 2012, 53, 1585-1591.	5.0	6
41	Effect of glycosylation on biodistribution of radiolabeled glucagon-like peptide 1. <i>Annals of Nuclear Medicine</i> , 2012, 26, 184-191.	2.2	5
42	A double epitope tag for quantification of recombinant protein using fluorescence resonance energy transfer. <i>Analytical Biochemistry</i> , 2008, 380, 249-256.	2.4	4
43	Murine interleukin-2 receptor subunits differentially detected with anti-interleukin-2 monoclonal antibodies. <i>FEBS Letters</i> , 1989, 250, 331-335.	2.8	3
44	Autism-associated variants of neuroligin 4X impair synaptogenic activity by various molecular mechanisms. <i>Molecular Autism</i> , 2020, 11, 68.	4.9	3
45	In vivo expansion of functional human hematopoietic stem progenitor cells by butyramide. <i>International Journal of Hematology</i> , 2020, 111, 739-741.	1.6	3
46	Monoclonal antibodies which differentiate high- and low-affinity binding sites of interleukin-2. <i>FEBS Letters</i> , 1988, 242, 53-56.	2.8	2
47	Two Distinct P70 Interleukin-2 Receptors on a Murine Large Granular Lymphocyte Clone Y479. <i>Immunological Investigations</i> , 1991, 20, 461-474.	2.0	1