

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
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48
all docs

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docs citations

48
times ranked

2170
citing authors

#	ARTICLE	IF	CITATIONS
1	Autism-associated variants of neuroligin 4X impair synaptogenic activity by various molecular mechanisms. <i>Molecular Autism</i> , 2020, 11, 68.	4.9	3
2	In vivo expansion of functional human hematopoietic stem progenitor cells by butyzamide. <i>International Journal of Hematology</i> , 2020, 111, 739-741.	1.6	3
3	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
4	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
5	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
6	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
7	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
8	Suppressive Effects of Irbesartan on Inflammation and Apoptosis in Atherosclerotic Plaques of apoE ^{-/-} Mice: Molecular Imaging with ¹⁴ C-FDG and ^{99m} Tc-Annexin A5. <i>PLoS ONE</i> , 2014, 9, e89338.	2.5	16
9	Expansion of Antibacterial Spectrum of Muraymycins toward <i>Pseudomonas aeruginosa</i> . <i>ACS Medicinal Chemistry Letters</i> , 2014, 5, 556-560.	2.8	38
10	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
11	Conformational restriction approach to β -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
12	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
13	Conformational Restriction Approach to β -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
14	Quantitative Determination of Apoptosis of Pancreatic β -Cells in a Murine Model of Type 1 Diabetes Mellitus. <i>Journal of Nuclear Medicine</i> , 2012, 53, 1585-1591.	5.0	6
15	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
16	Synthesis of pacidamycin analogues via an Ugi-multicomponent reaction. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 4810-4815.	2.2	19
17	Total Synthesis and Biological Evaluation of Pacidamycin D and Its 3-Hydroxy Analogue. <i>Journal of Organic Chemistry</i> , 2012, 77, 1367-1377.	3.2	29
18	Effect of glycosylation on biodistribution of radiolabeled glucagon-like peptide 1. <i>Annals of Nuclear Medicine</i> , 2012, 26, 184-191.	2.2	5

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19	Total Synthesis of Pacidamycin D by Cu(I)-Catalyzed Oxy Enamide Formation. <i>Organic Letters</i> , 2011, 13, 5240-5243.	4.6	32
20	A Strategy for Neuraminidase Inhibitors Using Mechanism-Based Labeling Information. <i>Chemistry - an Asian Journal</i> , 2011, 6, 1048-1056.	3.3	10
21	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
22	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
23	Potent inhibitor scaffold against <i>Trypanosoma cruzi</i> trans-sialidase. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 1633-1640.	3.0	48
24	In-crystal chemical ligation for lead compound generation. <i>Journal of Applied Crystallography</i> , 2010, 43, 1329-1337.	4.5	8
25	An Efficient Approach to the Discovery of Potent Inhibitors against Glycosyltransferases. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 5607-5619.	6.4	37
26	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
27	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
28	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
29	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
30	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
31	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
32	Discovery of novel non-peptide thrombopoietin mimetic compounds that induce megakaryocytopoiesis. <i>Bioscience Reports</i> , 2008, 28, 275-285.	2.4	6
33	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
34	GTP Hydrolysis by the Rho Family GTPase TC10 Promotes Exocytic Vesicle Fusion. <i>Developmental Cell</i> , 2006, 11, 411-421.	7.0	62
35	Development of high-throughput spermidine synthase activity assay using homogeneous time-resolved fluorescence. <i>Analytical Biochemistry</i> , 2006, 351, 229-240.	2.4	22
36	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

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37	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
38	High Throughput Screening for Human Interferon- γ Production Inhibitor Using Homogenous Time-Resolved Fluorescence. <i>Journal of Biomolecular Screening</i> , 2000, 5, 263-268.	2.6	17
39	Recognition of rheumatoid arthritis synovial antigen by CD4+,CD8 γ T cell clones established from rheumatoid arthritis joints. <i>Arthritis and Rheumatism</i> , 1998, 41, 92-100.	6.7	8
40	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
41	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
42	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
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	Monoclonal antibodies which differentiate high- and low-affinity binding sites of interleukin-2. <i>FEBS Letters</i> , 1988, 242, 53-56.	2.8	2
45	Structure of a Sugar Chain of a Protease Inhibitor Isolated from Barbados Pride (<i>Caesalpinia</i>) Tj ETQq1 1 0.784314 <small>157</small> / <small>141</small> <small>BT / Overlock 10</small>		
46	The Structure of Sugar Chains of Japanese Quail Ovomucoid. 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 ¹ . <i>Journal of Biochemistry</i> , 1986, 99, 1725-1733.	1.7	41
47	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