

Dapeng Zhou

List of Publications by Year in descending order

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74
papers

4,983
citations

117625

34
h-index

88630

70
g-index

86
all docs

86
docs citations

86
times ranked

5103
citing authors

#	ARTICLE	IF	CITATIONS
1	Exogenous and endogenous glycolipid antigens activate NKT cells during microbial infections. <i>Nature</i> , 2005, 434, 525-529.	27.8	1,015
2	Lysosomal Glycosphingolipid Recognition by NKT Cells. <i>Science</i> , 2004, 306, 1786-1789.	12.6	880
3	Editing of CD1d-Bound Lipid Antigens by Endosomal Lipid Transfer Proteins. <i>Science</i> , 2004, 303, 523-527.	12.6	297
4	Structure and function of a potent agonist for the semi-invariant natural killer T cell receptor. <i>Nature Immunology</i> , 2005, 6, 810-818.	14.5	288
5	Effects of Lipid Chain Lengths in α -Galactosylceramides on Cytokine Release by Natural Killer T Cells. <i>Journal of the American Chemical Society</i> , 2004, 126, 13602-13603.	13.7	194
6	A modified α -galactosyl ceramide for staining and stimulating natural killer T cells. <i>Journal of Immunological Methods</i> , 2006, 312, 34-39.	1.4	170
7	Biosynthesis of the Linkage Region of Glycosaminoglycans. <i>Journal of Biological Chemistry</i> , 2001, 276, 48189-48195.	3.4	158
8	A beta -1,3-N-acetylglucosaminyltransferase with poly-N-acetylglucosamine synthase activity is structurally related to beta -1,3-galactosyltransferases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999, 96, 406-411.	7.1	101
9	Cutting Edge: Impaired Glycosphingolipid Trafficking and NKT Cell Development in Mice Lacking Niemann-Pick Type C1 Protein. <i>Journal of Immunology</i> , 2006, 177, 26-30.	0.8	73
10	Survival Advantage in Patients with Metastatic Breast Cancer Receiving Endocrine Therapy plus Sialyl Tn-KLH Vaccine: Post Hoc Analysis of a Large Randomized Trial. <i>Journal of Cancer</i> , 2013, 4, 577-584.	2.5	71
11	Preferential Localization of MUC1 Glycoprotein in Exosomes Secreted by Non-Small Cell Lung Carcinoma Cells. <i>International Journal of Molecular Sciences</i> , 2019, 20, 323.	4.1	71
12	Nanoparticle formulated alpha-galactosylceramide activates NKT cells without inducing anergy. <i>Vaccine</i> , 2009, 27, 3484-3488.	3.8	68
13	Alpha-galactosylceramide is an effective mucosal adjuvant for repeated intranasal or oral delivery of HIV peptide antigens. <i>Vaccine</i> , 2009, 27, 3335-3341.	3.8	67
14	Sensitive detection of isoglobo and globo series tetraglycosylceramides in human thymus by ion trap mass spectrometry. <i>Glycobiology</i> , 2008, 18, 158-165.	2.5	63
15	Synthesis and evaluation of stimulatory properties of Sphingomonadaceae glycolipids. <i>Nature Chemical Biology</i> , 2007, 3, 559-564.	8.0	59
16	Antitumor Activity Mediated by CpG. <i>Journal of Immunotherapy</i> , 2011, 34, 279-288.	2.4	59
17	S1P ₁ receptor expression regulates emergence of NKT cells in peripheral tissues. <i>FASEB Journal</i> , 2008, 22, 307-315.	0.5	58
18	Elevated activity of N -acetylglucosaminyltransferase V in human hepatocellular carcinoma. <i>Journal of Cancer Research and Clinical Oncology</i> , 1998, 124, 27-30.	2.5	56

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19	The β 1,3-Galactosyltransferase β 3GalT-V Is a Stage-specific Embryonic Antigen-3 (SSEA-3) Synthase. <i>Journal of Biological Chemistry</i> , 2000, 275, 22631-22634.	3.4	54
20	Cloning of a Mouse β 1,3N-Acetylglucosaminyltransferase β 1,3Gal(β 1,4)Glc-ceramide Synthase Gene Encoding the Key Regulator of Lacto-series Glycolipid Biosynthesis. <i>Journal of Biological Chemistry</i> , 2001, 276, 30261-30269.	3.4	53
21	Molecular cloning of a human UDP-galactose:GlcNAc β 1,3GalNAc β 1,3 galactosyltransferase gene encoding an O-linked core3-elongation enzyme. <i>FEBS Journal</i> , 1999, 263, 571-576.	0.2	52
22	Immunologic Glycosphingolipidomics and NKT Cell Development in Mouse Thymus. <i>Journal of Proteome Research</i> , 2009, 8, 2740-2751.	3.7	51
23	Identification of 22 N-glycosites on spike glycoprotein of SARS-CoV-2 and accessible surface glycopeptide motifs: Implications for vaccination and antibody therapeutics. <i>Glycobiology</i> , 2021, 31, 69-80.	2.5	51
24	The <i>Drosophila melanogaster</i> brainiac Protein Is a Glycolipid-specific β 1,3N-Acetylglucosaminyltransferase. <i>Journal of Biological Chemistry</i> , 2002, 277, 32417-32420.	3.4	50
25	Thymic and peripheral microenvironments differentially mediate development and maturation of iNKT cells by IL-15 transpresentation. <i>Blood</i> , 2010, 116, 2494-2503.	1.4	48
26	Targeted imaging of tumor-associated M2 macrophages using a macromolecular contrast agent PG-Gd-NIR813. <i>Biomaterials</i> , 2010, 31, 6567-6573.	11.4	48
27	AR Inhibitors Identified by High-Throughput Microscopy Detection of Conformational Change and Subcellular Localization. <i>ACS Chemical Biology</i> , 2009, 4, 199-208.	3.4	45
28	Involvement of murine β 2-1,4-galactosyltransferase V in lactosylceramide biosynthesis. <i>Glycoconjugate Journal</i> , 2010, 27, 685-695.	2.7	44
29	MHC class II restricted neoantigen peptides predicted by clonal mutation analysis in lung adenocarcinoma patients: implications on prognostic immunological biomarker and vaccine design. <i>BMC Genomics</i> , 2018, 19, 582.	2.8	42
30	Sensitive quantitation of isoglobotriaosylceramide in the presence of isobaric components using electrospray ionization-ion trap mass spectrometry. <i>Glycobiology</i> , 2007, 18, 166-176.	2.5	41
31	The Lc3-synthase gene <i>B3gnt5</i> is essential to pre-implantation development of the murine embryo. <i>BMC Developmental Biology</i> , 2008, 8, 109.	2.1	38
32	Regulation of natural killer T-cell development by deubiquitinase CYLD. <i>EMBO Journal</i> , 2010, 29, 1600-1612.	7.8	38
33	A Critical Role of Costimulation during Intrathymic Development of Invariant NK T Cells. <i>Journal of Immunology</i> , 2008, 180, 2276-2283.	0.8	37
34	High expression of lactotriaosylceramide, a differentiation-associated glycosphingolipid, in the bone marrow of acute myeloid leukemia patients. <i>Glycobiology</i> , 2012, 22, 930-938.	2.5	36
35	TRIM28 mediates chromatin modifications at the $\text{TCR}\alpha$ enhancer and regulates the development of T and natural killer T cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 20083-20088.	7.1	35
36	Why are Glycoproteins Modified by Poly-N-Acetylglucosamine Glycoconjugates?. <i>Current Protein and Peptide Science</i> , 2003, 4, 1-9.	1.4	31

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37	Intranasal but not intravenous delivery of the adjuvant α -Galactosylceramide permits repeated stimulation of natural killer T cells in the lung. <i>European Journal of Immunology</i> , 2011, 41, 3312-3322.	2.9	31
38	Agonistic Antibody to CD40 Boosts the Antitumor Activity of Adoptively Transferred T Cells In Vivo. <i>Journal of Immunotherapy</i> , 2012, 35, 276-282.	2.4	31
39	Epitopes of MUC1 Tandem Repeats in Cancer as Revealed by Antibody Crystallography: Toward Glycopeptide Signature-Guided Therapy. <i>Molecules</i> , 2018, 23, 1326.	3.8	31
40	The Immunological Function of iGb3. <i>Current Protein and Peptide Science</i> , 2006, 7, 325-333.	1.4	29
41	Complete absence of the α -Gal xenoantigen and isoglobotrihexosylceramide in α -1,3galactosyltransferase knock-out pigs. <i>Xenotransplantation</i> , 2012, 19, 196-206.	2.8	25
42	Aberrant fucosylation of glycosphingolipids in human hepatocellular carcinoma tissues. <i>Liver International</i> , 2014, 34, 147-160.	3.9	24
43	Alpha Anomers of iGb3 and Gb3 Stimulate Cytokine Production by Natural Killer T Cells. <i>ACS Chemical Biology</i> , 2009, 4, 191-197.	3.4	23
44	Synthesis and Structure-Activity Relationship Study of Isoglobotrihexosylceramide Analogues. <i>Journal of Organic Chemistry</i> , 2007, 72, 9914-9923.	3.2	22
45	Induction of antitumor immunity in mice by the combination of nanoparticle-based photothermolysis and anti-PD-1 checkpoint inhibition. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2020, 25, 102169.	3.3	21
46	Expression of α -1,4-galactosyltransferase in the development of mouse brain. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1998, 1425, 204-208.	2.4	20
47	Thio-isoglobotrihexosylceramide, an Agonist for Activating Invariant Natural Killer T Cells. <i>Organic Letters</i> , 2006, 8, 5493-5496.	4.6	15
48	MUC1 glycopeptide epitopes predicted by computational glycomics. <i>International Journal of Oncology</i> , 2012, 41, 1977-1984.	3.3	15
49	Secretion and Purification of Recombinant α -1,4 Galactosyltransferase from Insect Cells Using pFmel-protA, a Novel Transposition-Based Baculovirus Transfer Vector. <i>Archives of Biochemistry and Biophysics</i> , 2000, 374, 3-7.	3.0	13
50	Molecular basis of antibody binding to mucin glycopeptides in lung cancer. <i>International Journal of Oncology</i> , 2016, 48, 587-594.	3.3	13
51	Synthetic Poly(l-Glutamic Acid)-conjugated CpG Exhibits Antitumor Efficacy With Increased Retention in Tumor and Draining Lymph Nodes After Intratumoral Injection in a Mouse Model of Melanoma. <i>Journal of Immunotherapy</i> , 2017, 40, 11-20.	2.4	13
52	OX40 signaling directly triggers the antitumor effects of NKT cells. <i>Journal of Clinical Investigation</i> , 2007, 117, 3169-3172.	8.2	11
53	Effect of all-trans-retinoic acid and phorbol 12-myristate 13-acetate on the activity of human hepatocellular carcinoma cell-surface α -1,4-galactosyltransferase. <i>Biochemical Journal</i> , 1996, 320, 623-625.	3.7	10
54	Lack of iGb3 and Isoglobo-Series Glycosphingolipids in Pig Organs Used for Xenotransplantation: Implications for Natural Killer T-Cell Biology. <i>Journal of Carbohydrate Chemistry</i> , 2013, 32, 44-67.	1.1	10

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55	Effects of epidermal growth factor and insulin on the activity of N-acetylglucosaminyltransferase V. <i>Biochemical Journal</i> , 1997, 324, 543-545.	3.7	9
56	Analysis of breast cancer-associated glycosphingolipids using electrospray ionization-linear ion trap quadrupole mass spectrometry. <i>Carbohydrate Research</i> , 2015, 402, 189-199.	2.3	9
57	An antibody-drug conjugate targeting a GSTA glycosite signature epitope of MUC1 expressed by non-small cell lung cancer. <i>Cancer Medicine</i> , 2020, 9, 9529-9540.	2.8	9
58	Response to Milland et al.: Carbohydrate residues downstream of the terminal Gal(1,3)Gal epitope modulate the specificity of xenoreactive antibodies. <i>Immunology and Cell Biology</i> , 2008, 86, 631-632.	2.3	7
59	Preserved Function of Circulating Invariant Natural Killer T Cells in Patients With Chronic Hepatitis B Virus Infection. <i>Medicine (United States)</i> , 2015, 94, e961.	1.0	6
60	Immunogenicity of Del19 EGFR mutations in Chinese patients affected by lung adenocarcinoma. <i>BMC Immunology</i> , 2019, 20, 43.	2.2	6
61	Potent Neutralization Antibodies Induced by a Recombinant Trimeric Spike Protein Vaccine Candidate Containing PIKA Adjuvant for COVID-19. <i>Vaccines</i> , 2021, 9, 296.	4.4	6
62	Mass Spectrometric Analysis of Glycosphingolipid Antigens. <i>Journal of Visualized Experiments</i> , 2013, , .	0.3	5
63	Sublingual injection of microparticles containing glycolipid ligands for NKT cells and subunit vaccines induces antibody responses in oral cavity. <i>Carbohydrate Research</i> , 2015, 405, 87-92.	2.3	4
64	Immunologic mapping of glycomes: implications for cancer diagnosis and therapy. <i>Frontiers in Bioscience - Scholar</i> , 2011, S3, 1520.	2.1	3
65	Separation and detection of minimal length glycopeptide neoantigen epitopes centering the GSTA region of MUC1 by liquid chromatography/mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8622.	1.5	3
66	T cells and T cell tumors efficiently generate antigen-specific cytotoxic T cell immunity when modified with an NKT ligand. <i>Oncolmmunology</i> , 2012, 1, 141-151.	4.6	2
67	Editorial [Immune Receptors for Glycoconjugates Guest Editor: Dapeng Zhou]. <i>Current Protein and Peptide Science</i> , 2006, 7, 281-281.	1.4	1
68	Chemical Glycobiology of Glycosphingolipids. <i>ACS Symposium Series</i> , 2008, , 167-194.	0.5	1
69	Genetic relatedness of human immunodeficiency virus-1 (HIV-1) strains in a 12-year-old daughter and her father in a household setting. <i>Archives of Virology</i> , 2014, 159, 1385-1391.	2.1	1
70	Abstract 628: Neoantigens predicted by clonal mutation analysis in lung adenocarcinoma patients. <i>Cancer Research</i> , 2017, 77, 628-628.	0.9	1
71	Transcriptional regulation of human transcription factor IIB in SMMC-7721 human hepatocellular carcinoma cells by all- trans -retinoic acid and phorbol 12-myristate 13-acetate. <i>Journal of Cancer Research and Clinical Oncology</i> , 1998, 124, 493-496.	2.5	0
72	A Modified Technique of Thulium Laser Enucleation for Benign Prostatic Hyperplasia With Non-morcellator Approach. <i>Frontiers in Surgery</i> , 2021, 8, 657869.	1.4	0

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73	Genetic Studies of Natural Glycosphingolipid Ligands for NKT Cells. <i>Methods in Molecular Biology</i> , 2021, 2388, 13-25.	0.9	0
74	A Critical Role of Costimulation During Intrathymic Development of Invariant NKT cells. <i>FASEB Journal</i> , 2008, 22, 347-347.	0.5	0