

Tsui-Ling Hsu

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

52
papers

3,319
citations

30
h-index

53
g-index

53
ext. papers

3,709
ext. citations

7.8
avg, IF

4.66
L-index

#	Paper	IF	Citations
52	Glycoproteomic probes for fluorescent imaging of fucosylated glycans in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 12371-6	11.5	363
51	Alkynyl sugar analogs for the labeling and visualization of glycoconjugates in cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 2614-9	11.5	273
50	Sialylation and fucosylation of epidermal growth factor receptor suppress its dimerization and activation in lung cancer cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 11332-7	11.5	270
49	Targeting the carbohydrates on HIV-1: Interaction of oligomannose dendrons with human monoclonal antibody 2G12 and DC-SIGN. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 3690-5	11.5	253
48	The core trisaccharide of an N-linked glycoprotein intrinsically accelerates folding and enhances stability. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 3131-6	11.5	181
47	Fucosyltransferase 8 as a functional regulator of nonsmall cell lung cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 630-5	11.5	169
46	Carbohydrate-based vaccines with a glycolipid adjuvant for breast cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 2517-22	11.5	122
45	Survey of immune-related, mannose/fucose-binding C-type lectin receptors reveals widely divergent sugar-binding specificities. <i>Glycobiology</i> , 2011 , 21, 512-20	5.8	109
44	Modulation of dendritic cell differentiation and maturation by decoy receptor 3. <i>Journal of Immunology</i> , 2002 , 168, 4846-53	5.3	103
43	Tailored glycoproteomics and glycan site mapping using saccharide-selective bioorthogonal probes. <i>Journal of the American Chemical Society</i> , 2007 , 129, 7266-7	16.4	93
42	Stage-specific embryonic antigen-4 as a potential therapeutic target in glioblastoma multiforme and other cancers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 2482-7	11.5	77
41	Modulation of macrophage differentiation and activation by decoy receptor 3. <i>Journal of Leukocyte Biology</i> , 2004 , 75, 486-94	6.5	75
40	Effect of sialylation on EGFR phosphorylation and resistance to tyrosine kinase inhibition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 6955-60	11.5	71
39	Glycoprotein B7-H3 overexpression and aberrant glycosylation in oral cancer and immune response. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 13057-62	11.5	71
38	Profiling carbohydrate-receptor interaction with recombinant innate immunity receptor-Fc fusion proteins. <i>Journal of Biological Chemistry</i> , 2009 , 284, 34479-89	5.4	61
37	Apoptosis of dendritic cells induced by decoy receptor 3 (DcR3). <i>Blood</i> , 2008 , 111, 1480-8	2.2	59
36	CLEC4F is an inducible C-type lectin in F4/80-positive cells and is involved in alpha-galactosylceramide presentation in liver. <i>PLoS ONE</i> , 2013 , 8, e65070	3.7	56

35	Attenuation of Th1 response in decoy receptor 3 transgenic mice. <i>Journal of Immunology</i> , 2005 , 175, 5135-45	5.3	56
34	Cell-permeable probe for identification and imaging of sialidases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 2466-71	11.5	54
33	Immunization of fucose-containing polysaccharides from Reishi mushroom induces antibodies to tumor-associated Globo H-series epitopes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 13809-14	11.5	52
32	Galectin-1 and galectin-8 have redundant roles in promoting plasma cell formation. <i>Journal of Immunology</i> , 2011 , 187, 1643-52	5.3	50
31	Glycolipid GD3 and GD3 synthase are key drivers for glioblastoma stem cells and tumorigenicity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 5592-7	11.5	50
30	Galectin-1 promotes immunoglobulin production during plasma cell differentiation. <i>Journal of Immunology</i> , 2008 , 181, 4570-9	5.3	46
29	Stage-specific embryonic antigen-3 (SSEA-3) and β GalT5 are cancer specific and significant markers for breast cancer stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 960-5	11.5	42
28	Enhanced adhesion of monocytes via reverse signaling triggered by decoy receptor 3. <i>Experimental Cell Research</i> , 2004 , 292, 241-51	4.2	41
27	Attenuation of bone mass and increase of osteoclast formation in decoy receptor 3 transgenic mice. <i>Journal of Biological Chemistry</i> , 2007 , 282, 2346-54	5.4	39
26	Overexpression of bcl-2 enhances LIGHT- and interferon-gamma -mediated apoptosis in Hep3BT2 cells. <i>Journal of Biological Chemistry</i> , 2000 , 275, 38794-801	5.4	38
25	Galectin-3 Binding Protein and Galectin-1 Interaction in Breast Cancer Cell Aggregation and Metastasis. <i>Journal of the American Chemical Society</i> , 2015 , 137, 9685-93	16.4	37
24	-GlcNAcylation regulates the stability and enzymatic activity of the histone methyltransferase EZH2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 7302-7307	11.5	36
23	Signaling pathway of globo-series glycosphingolipids and β 1,3-galactosyltransferase V (β GalT5) in breast cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 3518-3523	11.5	31
22	CLEC5A-Mediated Enhancement of the Inflammatory Response in Myeloid Cells Contributes to Influenza Virus Pathogenicity In Vivo. <i>Journal of Virology</i> , 2017 , 91,	6.6	30
21	An Alkynyl-Fucose Halts Hepatoma Cell Migration and Invasion by Inhibiting GDP-Fucose-Synthesizing Enzyme FX, TSTA3. <i>Cell Chemical Biology</i> , 2017 , 24, 1467-1478.e5	8.2	29
20	Substrate Preference and Interplay of Fucosyltransferase β and N-Acetylglucosaminyltransferases. <i>Journal of the American Chemical Society</i> , 2017 , 139, 9431-9434	16.4	28
19	Development of trifunctional probes for glycoproteomic analysis. <i>Chemical Communications</i> , 2010 , 46, 5575-7	5.8	27
18	Dengue Virus Infection Is through a Cooperative Interaction between a Mannose Receptor and CLEC5A on Macrophage as a Multivalent Hetero-Complex. <i>PLoS ONE</i> , 2016 , 11, e0166474	3.7	27

17	High-Sensitivity and Low-Toxicity Fucose Probe for Glycan Imaging and Biomarker Discovery. <i>Cell Chemical Biology</i> , 2016 , 23, 782-792	8.2	26
16	An Effective Bacterial Fucosidase for Glycoprotein Remodeling. <i>ACS Chemical Biology</i> , 2017 , 12, 63-72	4.9	25
15	The surface carbohydrates of the <i>Echinococcus granulosus</i> larva interact selectively with the rodent Kupffer cell receptor. <i>Molecular and Biochemical Parasitology</i> , 2013 , 192, 55-9	1.9	24
14	Investigation of SSEA-4 binding protein in breast cancer cells. <i>Journal of the American Chemical Society</i> , 2013 , 135, 5934-7	16.4	20
13	Human CLEC18 Gene Cluster Contains C-type Lectins with Differential Glycan-binding Specificity. <i>Journal of Biological Chemistry</i> , 2015 , 290, 21252-63	5.4	16
12	Development of bacterial transglycosylase inhibitors as new antibiotics: moenomycin A treatment for drug-resistant <i>Helicobacter pylori</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014 , 24, 2412-4	2.9	15
11	Residues Comprising the Enhanced Aromatic Sequon Influence Protein N-Glycosylation Efficiency. <i>Journal of the American Chemical Society</i> , 2017 , 139, 12947-12955	16.4	14
10	Role of N-linked glycans in the interactions of recombinant HCV envelope glycoproteins with cellular receptors. <i>ACS Chemical Biology</i> , 2014 , 9, 1437-43	4.9	13
9	Sensitization of Cells to TRAIL-induced Apoptosis by Decoy Receptor 3. <i>Journal of Biological Chemistry</i> , 2004 , 279, 44211-44218	5.4	11
8	Free-electron-laser coherent diffraction images of individual drug-carrying liposome particles in solution. <i>Nanoscale</i> , 2018 , 10, 2820-2824	7.7	8
7	Serine/threonine kinase activity associated with the cytoplasmic domain of the lymphotoxin-beta receptor in HepG2 cells. <i>Journal of Biological Chemistry</i> , 1997 , 272, 17154-9	5.4	8
6	XFEL coherent diffraction imaging for weakly scattering particles using heterodyne interference. <i>AIP Advances</i> , 2020 , 10, 055219	1.5	6
5	CLEC9A modulates macrophage-mediated neutrophil recruitment in response to heat-killed <i>Mycobacterium tuberculosis</i> H37Ra. <i>PLoS ONE</i> , 2017 , 12, e0186780	3.7	6
4	Fusion of a Novel Native Signal Peptide Enhanced the Secretion and Solubility of Bioactive Human Interferon Gamma Glycoproteins in Using the -Based Expression System. <i>Frontiers in Plant Science</i> , 2020 , 11, 594758	6.2	4
3	Sensitization of cells to TRAIL-induced apoptosis by decoy receptor 3. <i>Journal of Biological Chemistry</i> , 2004 , 279, 44211-8	5.4	3
2	Homogeneous antibody and CAR-T cells with improved effector functions targeting SSEA-4 glycan on pancreatic cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	1
1	Combined Effect of Anti-SSEA4 and Anti-Globo H Antibodies on Breast Cancer Cells. <i>ACS Chemical Biology</i> , 2021 , 16, 1526-1537	4.9	0