

Wenjie Peng

List of Publications by Year in Descending Order

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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.

34
papers

1,591
citations

21
h-index

37
g-index

37
ext. papers

1,838
ext. citations

9.1
avg. IF

4.16
L-index

#	Paper	IF	Citations
34	Hemagglutinin Traits Determine Transmission of Avian A/H10N7 Influenza Virus between Mammals. <i>Cell Host and Microbe</i> , 2020 , 28, 602-613.e7	23.4	11
33	Enhanced Human-Type Receptor Binding by Ferret-Transmissible H5N1 with a K193T Mutation. <i>Journal of Virology</i> , 2018 , 92,	6.6	13
32	Diversity of Influenza A(H5N1) Viruses in Infected Humans, Northern Vietnam, 2004-2010. <i>Emerging Infectious Diseases</i> , 2018 , 24, 1128-1238	10.2	11
31	Avenues to Characterize the Interactions of Extended N-Glycans with Proteins by NMR Spectroscopy: The Influenza Hemagglutinin Case. <i>Angewandte Chemie</i> , 2018 , 130, 15271-15275	3.6	5
30	Avenues to Characterize the Interactions of Extended N-Glycans with Proteins by NMR Spectroscopy: The Influenza Hemagglutinin Case. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 15051-15055	16.4	19
29	Mutation of the Second Sialic Acid-Binding Site, Resulting in Reduced Neuraminidase Activity, Preceded the Emergence of H7N9 Influenza A Virus. <i>Journal of Virology</i> , 2017 , 91,	6.6	33
28	Unique Structural Features of Influenza Virus H15 Hemagglutinin. <i>Journal of Virology</i> , 2017 , 91,	6.6	11
27	The 150-Loop Restricts the Host Specificity of Human H10N8 Influenza Virus. <i>Cell Reports</i> , 2017 , 19, 235-245	24.5	27
26	Recent H3N2 Viruses Have Evolved Specificity for Extended, Branched Human-type Receptors, Conferring Potential for Increased Avidity. <i>Cell Host and Microbe</i> , 2017 , 21, 23-34	23.4	121
25	Three mutations switch H7N9 influenza to human-type receptor specificity. <i>PLoS Pathogens</i> , 2017 , 13, e1006390	7.6	65
24	Highly Pathogenic Influenza A(H5Nx) Viruses with Altered H5 Receptor-Binding Specificity. <i>Emerging Infectious Diseases</i> , 2017 , 23, 220-231	10.2	40
23	CD22 Ligands on a Natural N-Glycan Scaffold Efficiently Deliver Toxins to B-Lymphoma Cells. <i>Journal of the American Chemical Society</i> , 2017 , 139, 12450-12458	16.4	41
22	Identification of sialic acid-binding function for the Middle East respiratory syndrome coronavirus spike glycoprotein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E8508-E8517	11.5	216
21	A single mutation in Taiwanese H6N1 influenza hemagglutinin switches binding to human-type receptors. <i>EMBO Molecular Medicine</i> , 2017 , 9, 1314-1325	12	30
20	Amino acid residues at positions 222 and 227 of the hemagglutinin together with the neuraminidase determine binding of H5 avian influenza viruses to sialyl Lewis X. <i>Archives of Virology</i> , 2016 , 161, 307-16	2.6	32
19	Novel Receptor Specificity of Avian Gammacoronaviruses That Cause Enteritis. <i>Journal of Virology</i> , 2015 , 89, 8783-92	6.6	26
18	Unmasking of CD22 Co-receptor on Germinal Center B-cells Occurs by Alternative Mechanisms in Mouse and Man. <i>Journal of Biological Chemistry</i> , 2015 , 290, 30066-77	5.4	35

17	Structural delineation of a quaternary, cleavage-dependent epitope at the gp41-gp120 interface on intact HIV-1 Env trimers. <i>Immunity</i> , 2014 , 40, 669-80	32.3	267
16	A general strategy for the chemoenzymatic synthesis of asymmetrically branched N-glycans. <i>Science</i> , 2013 , 341, 379-83	33.3	249
15	Glycan microarray screening assay for glycosyltransferase specificities. <i>Methods in Molecular Biology</i> , 2013 , 1022, 1-14	1.4	2
14	Synthesis of biologically active N- and O-linked glycans with multisialylated poly-N-acetylglucosamine extensions using P. damsela α -6 sialyltransferase. <i>Journal of the American Chemical Society</i> , 2013 , 135, 18280-18283	16.4	48
13	The galactosamine residue in mycobacterial arabinogalactan is linked. <i>Journal of Organic Chemistry</i> , 2012 , 77, 9826-32	4.2	19
12	Recognition of Sialylated Poly-N-acetylglucosamine Chains on N- and O-Linked Glycans by Human and Avian Influenza A Virus Hemagglutinins. <i>Angewandte Chemie</i> , 2012 , 124, 4944-4947	3.6	4
11	Recognition of sialylated poly-N-acetylglucosamine chains on N- and O-linked glycans by human and avian influenza A virus hemagglutinins. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 4860-3	16.4	76
10	Helicobacter pylori α ,3-N-acetylglucosaminyltransferase for versatile synthesis of type 1 and type 2 poly-LacNAcs on N-linked, O-linked and I-antigen glycans. <i>Glycobiology</i> , 2012 , 22, 1453-64	5.8	37
9	Recognition of Sialylated Poly-N-acetylglucosamine Chains on N- and O-Linked Glycans by Human and Avian Influenza A Virus Hemagglutinins 2012 , 51, 4860		1
8	Synthesis of the 6-O-methyl-D-glycero- α -gluco-heptopyranose moiety present in the capsular polysaccharide from Campylobacter jejuni NCTC 11168. <i>Organic Letters</i> , 2011 , 13, 5290-3	6.2	8
7	Synthesis of the A,B-ring-truncated OSW saponin analogs and their antitumor activities. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007 , 17, 5506-9	2.9	25
6	Synthesis of C-Aryl-flavonoid Derivatives via Suzuki-Miyaura Coupling Reaction <i>Chinese Journal of Chemistry</i> , 2006 , 24, 1154-1162	4.9	7
5	Synthesis of 3-O-(beta-D-xylopyranosyl-(1 \rightarrow 2)-beta-D-glucopyranosyl)-3-O-(beta-D-glucopyranosyl)tamarixetin, the putative structure of aescuflavoside A from the seeds of Aesculus chinensis. <i>Carbohydrate Research</i> , 2006 , 341, 1047-51	2.9	25
4	Synthesis of tamarixetin and isorhamnetin 3-O-neohesperidoside. <i>Carbohydrate Research</i> , 2005 , 340, 1682-8	2.9	27
3	A facile preparation of uronates via selective oxidation with TEMPO/KBr/Ca(OCl) ₂ under aqueous conditions. <i>Carbohydrate Research</i> , 2004 , 339, 1219-23	2.9	23
2	A flow injection on-line multiplexed sorption preconcentration procedure coupled with flame atomic absorption spectrometry for determination of trace lead in water, tea, and herb medicines. <i>Analytical Chemistry</i> , 2002 , 74, 1075-80	7.8	32
1	Convergent Synthesis of Branched α -Glucan Tridecasaccharides Ready for Conjugation. <i>Synthesis</i> , 2002 , 1, 53,	2.9	2