

Zhen-Yong Keck

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.

41
papers

1,938
citations

27
h-index

42
g-index

42
ext. papers

2,320
ext. citations

7.2
avg, IF

4.28
L-index

#	Paper	IF	Citations
41	Induction of broadly neutralizing antibodies using a secreted form of the hepatitis C virus E1E2 heterodimer as a vaccine candidate.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119, e2112008119	11.5	0
40	An Antigenically Diverse, Representative Panel of Envelope Glycoproteins for Hepatitis C Virus Vaccine Development. <i>Gastroenterology</i> , 2021 ,	13.3	2
39	Crystal Structure of a Bivalent Antibody Fab Fragment. <i>Journal of Molecular Biology</i> , 2021 , 433, 166714	6.5	
38	Structural perspectives on HCV humoral immune evasion mechanisms. <i>Current Opinion in Virology</i> , 2021 , 49, 92-101	7.5	2
37	Design of a native-like secreted form of the hepatitis C virus E1E2 heterodimer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	6
36	An alternate conformation of HCV E2 neutralizing face as an additional vaccine target. <i>Science Advances</i> , 2020 , 6, eabb5642	14.3	9
35	Structure-Based Design of Hepatitis C Virus E2 Glycoprotein Improves Serum Binding and Cross-Neutralization. <i>Journal of Virology</i> , 2020 , 94,	6.6	9
34	Interferon-Induced Transmembrane Proteins Mediate Viral Evasion in Acute and Chronic Hepatitis C Virus Infection. <i>Hepatology</i> , 2019 , 70, 1506-1520	11.2	11
33	Broadly neutralizing antibodies from an individual that naturally cleared multiple hepatitis C virus infections uncover molecular determinants for E2 targeting and vaccine design. <i>PLoS Pathogens</i> , 2019 , 15, e1007772	7.6	24
32	Isolation of HCV Neutralizing Antibodies by Yeast Display. <i>Methods in Molecular Biology</i> , 2019 , 1911, 395-419	1.4	9
31	Antigenicity and Immunogenicity of Differentially Glycosylated Hepatitis C Virus E2 Envelope Proteins Expressed in Mammalian and Insect Cells. <i>Journal of Virology</i> , 2019 , 93,	6.6	32
30	In vivo combination of human anti-envelope glycoprotein E2 and -Claudin-1 monoclonal antibodies for prevention of hepatitis C virus infection. <i>Antiviral Research</i> , 2019 , 162, 136-141	10.8	2
29	Hepatitis C Virus (HCV)-Apolipoprotein Interactions and Immune Evasion and Their Impact on HCV Vaccine Design. <i>Frontiers in Immunology</i> , 2018 , 9, 1436	8.4	29
28	A novel neutralizing human monoclonal antibody broadly abrogates hepatitis C virus infection in vitro and in vivo. <i>Antiviral Research</i> , 2017 , 148, 53-64	10.8	12
27	Designing a B Cell-Based Vaccine against a Highly Variable Hepatitis C Virus. <i>Frontiers in Microbiology</i> , 2017 , 8, 2692	5.7	28
26	Affinity maturation of a broadly neutralizing human monoclonal antibody that prevents acute hepatitis C virus infection in mice. <i>Hepatology</i> , 2016 , 64, 1922-1933	11.2	44
25	Global mapping of antibody recognition of the hepatitis C virus E2 glycoprotein: Implications for vaccine design. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, E6946-E6954	11.5	56

24	Antibody Treatment of Ebola and Sudan Virus Infection via a Uniquely Exposed Epitope within the Glycoprotein Receptor-Binding Site. <i>Cell Reports</i> , 2016 , 15, 1514-1526	10.6	68
23	Hepatitis C virus vaccine candidates inducing protective neutralizing antibodies. <i>Expert Review of Vaccines</i> , 2016 , 15, 1535-1544	5.2	46
22	Antibody Response to Hypervariable Region 1 Interferes with Broadly Neutralizing Antibodies to Hepatitis C Virus. <i>Journal of Virology</i> , 2016 , 90, 3112-22	6.6	41
21	Macaque Monoclonal Antibodies Targeting Novel Conserved Epitopes within Filovirus Glycoprotein. <i>Journal of Virology</i> , 2016 , 90, 279-91	6.6	62
20	Viral evasion and challenges of hepatitis C virus vaccine development. <i>Current Opinion in Virology</i> , 2016 , 20, 55-63	7.5	30
19	An anti-H5N1 influenza virus FcDART antibody is a highly efficacious therapeutic agent and prophylactic against H5N1 influenza virus infection. <i>Journal of Virology</i> , 2015 , 89, 4549-61	6.6	7
18	Structural basis for penetration of the glycan shield of hepatitis C virus E2 glycoprotein by a broadly neutralizing human antibody. <i>Journal of Biological Chemistry</i> , 2015 , 290, 10117-25	5.4	48
17	Non-random escape pathways from a broadly neutralizing human monoclonal antibody map to a highly conserved region on the hepatitis C virus E2 glycoprotein encompassing amino acids 412-423. <i>PLoS Pathogens</i> , 2014 , 10, e1004297	7.6	46
16	Cooperativity in virus neutralization by human monoclonal antibodies to two adjacent regions located at the amino terminus of hepatitis C virus E2 glycoprotein. <i>Journal of Virology</i> , 2013 , 87, 37-51	6.6	93
15	Structural basis of HCV neutralization by human monoclonal antibodies resistant to viral neutralization escape. <i>PLoS Pathogens</i> , 2013 , 9, e1003364	7.6	67
14	Toward a hepatitis C virus vaccine: the structural basis of hepatitis C virus neutralization by AP33, a broadly neutralizing antibody. <i>Journal of Virology</i> , 2012 , 86, 12923-32	6.6	72
13	Mutations that alter use of hepatitis C virus cell entry factors mediate escape from neutralizing antibodies. <i>Gastroenterology</i> , 2012 , 143, 223-233.e9	13.3	60
12	Human monoclonal antibodies to a novel cluster of conformational epitopes on HCV E2 with resistance to neutralization escape in a genotype 2a isolate. <i>PLoS Pathogens</i> , 2012 , 8, e1002653	7.6	160
11	Neutralizing antibody response to hepatitis C virus. <i>Viruses</i> , 2011 , 3, 2127-45	6.2	53
10	Mapping a region of hepatitis C virus E2 that is responsible for escape from neutralizing antibodies and a core CD81-binding region that does not tolerate neutralization escape mutations. <i>Journal of Virology</i> , 2011 , 85, 10451-63	6.6	80
9	Affinity maturation to improve human monoclonal antibody neutralization potency and breadth against hepatitis C virus. <i>Journal of Biological Chemistry</i> , 2011 , 286, 44218-44233	5.4	26
8	Mutations in hepatitis C virus E2 located outside the CD81 binding sites lead to escape from broadly neutralizing antibodies but compromise virus infectivity. <i>Journal of Virology</i> , 2009 , 83, 6149-60	6.6	75
7	Definition of a conserved immunodominant domain on hepatitis C virus E2 glycoprotein by neutralizing human monoclonal antibodies. <i>Journal of Virology</i> , 2008 , 82, 6061-6	6.6	99

6	A point mutation leading to hepatitis C virus escape from neutralization by a monoclonal antibody to a conserved conformational epitope. <i>Journal of Virology</i> , 2008 , 82, 6067-72	6.6	44
5	Broadly neutralizing human monoclonal antibodies to the hepatitis C virus E2 glycoprotein. <i>Journal of General Virology</i> , 2008 , 89, 653-659	4.9	121
4	Immunogenic and functional organization of hepatitis C virus (HCV) glycoprotein E2 on infectious HCV virions. <i>Journal of Virology</i> , 2007 , 81, 1043-7	6.6	76
3	Analysis of a highly flexible conformational immunogenic domain a in hepatitis C virus E2. <i>Journal of Virology</i> , 2005 , 79, 13199-208	6.6	79
2	Hepatitis C virus E2 has three immunogenic domains containing conformational epitopes with distinct properties and biological functions. <i>Journal of Virology</i> , 2004 , 78, 9224-32	6.6	121
1	Human monoclonal antibody to hepatitis C virus E1 glycoprotein that blocks virus attachment and viral infectivity. <i>Journal of Virology</i> , 2004 , 78, 7257-63	6.6	87