

Jonathan K Ball

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.

113
papers

4,202
citations

33
h-index

62
g-index

126
ext. papers

4,857
ext. citations

7.4
avg, IF

4.94
L-index

#	Paper	IF	Citations
113	Broadly neutralizing antibodies protect against hepatitis C virus quasispecies challenge. <i>Nature Medicine</i> , 2008 , 14, 25-7	50.5	466
112	Monoclonal antibody AP33 defines a broadly neutralizing epitope on the hepatitis C virus E2 envelope glycoprotein. <i>Journal of Virology</i> , 2005 , 79, 11095-104	6.6	234
111	Characterization of host-range and cell entry properties of the major genotypes and subtypes of hepatitis C virus. <i>Hepatology</i> , 2005 , 41, 265-74	11.2	221
110	Identification of conserved residues in the E2 envelope glycoprotein of the hepatitis C virus that are critical for CD81 binding. <i>Journal of Virology</i> , 2006 , 80, 8695-704	6.6	204
109	Human Adaptation of Ebola Virus during the West African Outbreak. <i>Cell</i> , 2016 , 167, 1079-1087.e5	56.2	134
108	Characterization of the hepatitis C virus E2 epitope defined by the broadly neutralizing monoclonal antibody AP33. <i>Hepatology</i> , 2006 , 43, 592-601	11.2	132
107	Role of scavenger receptor class B type I in hepatitis C virus entry: kinetics and molecular determinants. <i>Journal of Virology</i> , 2010 , 84, 34-43	6.6	121
106	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
105	Human combinatorial libraries yield rare antibodies that broadly neutralize hepatitis C virus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 16269-74	11.5	115
104	Identification of a broadly cross-reacting and neutralizing human monoclonal antibody directed against the hepatitis C virus E2 protein. <i>Journal of Virology</i> , 2008 , 82, 1047-52	6.6	110
103	Direct ex vivo comparison of the breadth and specificity of the T cells in the liver and peripheral blood of patients with chronic HCV infection. <i>European Journal of Immunology</i> , 2001 , 31, 2388-94	6.1	108
102	Neutralizing monoclonal antibodies against hepatitis C virus E2 protein bind discontinuous epitopes and inhibit infection at a postattachment step. <i>Journal of Virology</i> , 2011 , 85, 7005-19	6.6	102
101	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
100	The past, present and future of neutralizing antibodies for hepatitis C virus. <i>Antiviral Research</i> , 2014 , 105, 100-11	10.8	95
99	Non-macrophage-tropic human immunodeficiency virus type 1 R5 envelopes predominate in blood, lymph nodes, and semen: implications for transmission and pathogenesis. <i>Journal of Virology</i> , 2006 , 80, 6324-32	6.6	89
98	Development of a strand-specific RT-PCR based assay to detect the replicative form of hepatitis C virus RNA. <i>Journal of Virological Methods</i> , 2001 , 94, 111-20	2.6	87
97	Genome-to-genome analysis highlights the effect of the human innate and adaptive immune systems on the hepatitis C virus. <i>Nature Genetics</i> , 2017 , 49, 666-673	36.3	81

96	Variation in HIV-1 R5 macrophage-tropism correlates with sensitivity to reagents that block envelope: CD4 interactions but not with sensitivity to other entry inhibitors. <i>Retrovirology</i> , 2008 , 5, 5	3.6	69
95	Structural flexibility of a conserved antigenic region in hepatitis C virus glycoprotein E2 recognized by broadly neutralizing antibodies. <i>Journal of Virology</i> , 2015 , 89, 2170-81	6.6	62
94	Identification of new functional regions in hepatitis C virus envelope glycoprotein E2. <i>Journal of Virology</i> , 2011 , 85, 1777-92	6.6	62
93	An alpaca nanobody inhibits hepatitis C virus entry and cell-to-cell transmission. <i>Hepatology</i> , 2013 , 58, 932-9	11.2	56
92	Hepatitis C virus (HCV) infection may elicit neutralizing antibodies targeting epitopes conserved in all viral genotypes. <i>PLoS ONE</i> , 2009 , 4, e8254	3.7	56
91	Determination of the human antibody response to the epitope defined by the hepatitis C virus-neutralizing monoclonal antibody AP33. <i>Journal of General Virology</i> , 2007 , 88, 2991-3001	4.9	56
90	The role of neutralizing antibodies in hepatitis C virus infection. <i>Journal of General Virology</i> , 2012 , 93, 1-19	4.9	51
89	Naturally occurring antibodies that recognize linear epitopes in the amino terminus of the hepatitis C virus E2 protein confer noninterfering, additive neutralization. <i>Journal of Virology</i> , 2012 , 86, 2739-49	6.6	48
88	Specific interaction of hepatitis C virus glycoproteins with mannan binding lectin inhibits virus entry. <i>Protein and Cell</i> , 2010 , 1, 664-74	7.2	48
87	A Diverse Panel of Hepatitis C Virus Glycoproteins for Use in Vaccine Research Reveals Extremes of Monoclonal Antibody Neutralization Resistance. <i>Journal of Virology</i> , 2015 , 90, 3288-301	6.6	47
86	Evolutionary trends of the first hypervariable region of the hepatitis C virus E2 protein in individuals with differing liver disease severity. <i>Journal of General Virology</i> , 2002 , 83, 11-23	4.9	47
85	Hepatitis C patient-derived glycoproteins exhibit marked differences in susceptibility to serum neutralizing antibodies: genetic subtype defines antigenic but not neutralization serotype. <i>Journal of Virology</i> , 2011 , 85, 4246-57	6.6	46
84	A conserved determinant in the V1 loop of HIV-1 modulates the V3 loop to prime low CD4 use and macrophage infection. <i>Journal of Virology</i> , 2011 , 85, 2397-405	6.6	46
83	Intercompartmental recombination of HIV-1 contributes to env intrahost diversity and modulates viral tropism and sensitivity to entry inhibitors. <i>Journal of Virology</i> , 2011 , 85, 6024-37	6.6	44
82	B-cell receptors expressed by lymphomas of hepatitis C virus (HCV)-infected patients rarely react with the viral proteins. <i>Blood</i> , 2014 , 123, 1512-5	2.2	34
81	Evolutionary dynamics of hepatitis C virus envelope genes during chronic infection. <i>Journal of General Virology</i> , 2005 , 86, 1931-1942	4.9	33
80	The role of humoral innate immunity in hepatitis C virus infection. <i>Viruses</i> , 2012 , 4, 1-27	6.2	32
79	Severe fibrosis in hepatitis C virus-infected patients is associated with increased activity of the mannan-binding lectin (MBL)/MBL-associated serine protease 1 (MASP-1) complex. <i>Clinical and Experimental Immunology</i> , 2007 , 147, 90-8	6.2	32

78	Discovery of Novel Alphacoronaviruses in European Rodents and Shrews. <i>Viruses</i> , 2016 , 8, 84	6.2	32
77	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
76	Hepatitis C virus envelope glycoprotein fitness defines virus population composition following transmission to a new host. <i>Journal of Virology</i> , 2012 , 86, 11956-66	6.6	30
75	Novel functional hepatitis C virus glycoprotein isolates identified using an optimized viral pseudotype entry assay. <i>Journal of General Virology</i> , 2016 , 97, 2265-2279	4.9	30
74	An ancestral host defence peptide within human β defensin 3 recapitulates the antibacterial and antiviral activity of the full-length molecule. <i>Scientific Reports</i> , 2015 , 5, 18450	4.9	30
73	Dendritic cells cultured from mononuclear cells and CD34 cells in myeloma do not harbour human herpesvirus 8. <i>British Journal of Haematology</i> , 1998 , 100, 793-6	4.5	27
72	Analysis of the binding of hepatitis C virus genotype 1a and 1b E2 glycoproteins to peripheral blood mononuclear cell subsets. <i>Journal of General Virology</i> , 2005 , 86, 2507-2512	4.9	26
71	Recombinant human L-ficolin directly neutralizes hepatitis C virus entry. <i>Journal of Innate Immunity</i> , 2014 , 6, 676-84	6.9	25
70	Hepatitis C Virus Vaccine: Challenges and Prospects. <i>Vaccines</i> , 2020 , 8,	5.3	24
69	Cloning, expression, and functional analysis of patient-derived hepatitis C virus glycoproteins. <i>Methods in Molecular Biology</i> , 2007 , 379, 177-97	1.4	24
68	All Surfaces Are Not Equal in Contact Transmission of SARS-CoV-2. <i>Matter</i> , 2020 , 3, 1433-1441	12.7	24
67	Cross-genotype characterization of genetic diversity and molecular adaptation in hepatitis C virus envelope glycoprotein genes. <i>Journal of General Virology</i> , 2007 , 88, 458-469	4.9	23
66	HIV-1 in semen: determination of proviral and viral titres compared to blood, and quantification of semen leukocyte populations. <i>Journal of Medical Virology</i> , 1999 , 59, 356-63	19.7	23
65	Concordance between semen-derived HIV-1 proviral DNA and viral RNA hypervariable region 3 (V3) envelope sequences in cases where semen populations are distinct from those present in blood. <i>Journal of Medical Virology</i> , 2002 , 67, 9-19	19.7	21
64	Variation in the biological properties of HIV-1 R5 envelopes: implications of envelope structure, transmission and pathogenesis. <i>Future Virology</i> , 2010 , 5, 435-451	2.4	19
63	Immunogenicity of a new gorilla adenovirus vaccine candidate for COVID-19. <i>Molecular Therapy</i> , 2021 , 29, 2412-2423	11.7	17
62	Targeting a host-cell entry factor barricades antiviral-resistant HCV variants from on-therapy breakthrough in human-liver mice. <i>Gut</i> , 2016 , 65, 2029-2034	19.2	16
61	HIV coreceptor and chemokine ligand gene expression in the male urethra and female cervix. <i>Aids</i> , 2005 , 19, 1257-65	3.5	16

60	Long-lasting viability of HIV after patient's death. <i>Lancet, The</i> , 1991 , 338, 63	4.0	16
59	Students' Views towards Sars-Cov-2 Mass Asymptomatic Testing, Social Distancing and Self-Isolation in a University Setting during the COVID-19 Pandemic: A Qualitative Study. <i>International Journal of Environmental Research and Public Health</i> , 2021 , 18,	4.6	16
58	Shared Common Ancestry of Rodent Alphacoronaviruses Sampled Globally. <i>Viruses</i> , 2019 , 11,	6.2	16
57	Two doses of the SARS-CoV-2 BNT162b2 vaccine enhance antibody responses to variants in individuals with prior SARS-CoV-2 infection. <i>Science Translational Medicine</i> , 2021 , 13, eabj0847	17.5	16
56	Novel human anti-claudin 1 mAbs inhibit hepatitis C virus infection and may synergize with anti-SRB1 mAb. <i>Journal of General Virology</i> , 2016 , 97, 82-94	4.9	14
55	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
54	Cross-genotype AR3-specific neutralizing antibodies confer long-term protection in injecting drug users after HCV clearance. <i>Journal of Hepatology</i> , 2019 , 71, 14-24	13.4	12
53	Dramatic potentiation of the antiviral activity of HIV antibodies by cholesterol conjugation. <i>Journal of Biological Chemistry</i> , 2014 , 289, 35015-28	5.4	12
52	Detection of HIV-1 by digoxigenin-labelled PCR and microtitre plate solution hybridisation assay and prevention of PCR carry-over by uracil-N-glycosylase. <i>Journal of Virological Methods</i> , 1993 , 44, 67-76	2.6	12
51	Standardized Method for the Study of Antibody Neutralization of HCV Pseudoparticles (HCVpp). <i>Methods in Molecular Biology</i> , 2019 , 1911, 441-450	1.4	12
50	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
49	Semen characteristics in HIV-1 positive men and the effect of semen washing. <i>Sexually Transmitted Infections</i> , 1997 , 73, 303-5	2.8	11
48	Characterisation of a series of human immunodeficiency virus isolates derived sequentially from a single patient. <i>Journal of Medical Virology</i> , 1991 , 34, 104-13	19.7	11
47	Incorporation of single-stranded DNA binding protein early in polymerase chain reaction product sequencing reactions prevents enzyme pausing. <i>Analytical Biochemistry</i> , 1992 , 207, 349-51	3.1	11
46	Flexible and rapid construction of viral chimeras applied to hepatitis C virus. <i>Journal of General Virology</i> , 2016 , 97, 2187-2193	4.9	11
45	Development of a high-throughput pyrosequencing assay for monitoring temporal evolution and resistance associated variant emergence in the Hepatitis C virus protease coding-region. <i>Antiviral Research</i> , 2014 , 110, 52-9	10.8	10
44	GBV-C/HGV coinfection in HIV-1-positive men: frequent detection of viral RNA in blood plasma but absence from seminal fluid plasma. <i>Journal of Medical Virology</i> , 1998 , 56, 321-6	19.7	10
43	A polymerase chain reaction method for the amplification of full-length envelope genes of HIV-1 from DNA samples containing single molecules of HIV-1 provirus. <i>Journal of Virological Methods</i> , 2000 , 88, 73-80	2.6	10

42	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
41	Production of single-stranded DNA using a uracil-N-glycosylase-mediated asymmetric polymerase chain reaction method. <i>Analytical Biochemistry</i> , 1997 , 253, 264-7	3.1	8
40	A modified alkaline phosphatase enzyme amplification system and its application in an HIV antigen ELISA. <i>Journal of Virological Methods</i> , 1992 , 37, 149-53	2.6	8
39	Non-ionic detergents facilitate non-specific binding of M13 bacteriophage to polystyrene surfaces. <i>Journal of Virological Methods</i> , 2015 , 221, 1-8	2.6	7
38	Broad neutralization of hepatitis C virus-resistant variants by Civacir hepatitis C immunoglobulin. <i>Hepatology</i> , 2016 , 64, 1495-1506	11.2	7
37	Poor reduction of HIV-1 RNA titres in nucleoside reverse transcriptase inhibitor experienced patients treated with indinavir combination therapy. <i>Sexually Transmitted Infections</i> , 1999 , 75, 337-9	2.8	7
36	A next generation vaccine against human rabies based on a single dose of a chimpanzee adenovirus vector serotype C. <i>PLoS Neglected Tropical Diseases</i> , 2020 , 14, e0008459	4.8	7
35	Adjuvant formulated virus-like particles expressing native-like forms of the Lassa virus envelope surface glycoprotein are immunogenic and induce antibodies with broadly neutralizing activity. <i>Npj Vaccines</i> , 2020 , 5, 71	9.5	7
34	Retrospective screening of routine respiratory samples revealed undetected community transmission and missed intervention opportunities for SARS-CoV-2 in the United Kingdom. <i>Journal of General Virology</i> , 2021 , 102,	4.9	6
33	Elevated serum activity of MBL and ficolin-2 as biomarkers for progression to hepatocellular carcinoma in chronic HCV infection. <i>Virology</i> , 2019 , 530, 99-106	3.6	5
32	HIV-1 co-receptor expression and epithelial immune cells of the cervix in asymptomatic women attending a genitourinary medicine clinic. <i>HIV Medicine</i> , 2013 , 14, 108-14	2.7	5
31	Association of antibodies to hepatitis C virus glycoproteins 1 and 2 (anti-E1E2) with HCV disease. <i>Journal of Viral Hepatitis</i> , 2008 , 15, 339-45	3.4	5
30	The use of uracil-N-glycosylase in the preparation of PCR products for direct sequencing. <i>Nucleic Acids Research</i> , 1992 , 20, 3255	20.1	5
29	A case of hepatitis C virus transmission acquired through sharing a haemodialysis machine. <i>CKJ: Clinical Kidney Journal</i> , 2011 , 4, 32-5	4.5	4
28	Development and characterization of a human monoclonal antibody targeting the N-terminal region of hepatitis C virus envelope glycoprotein E1. <i>Virology</i> , 2018 , 514, 30-41	3.6	4
27	Immunization with a synthetic consensus hepatitis C virus E2 glycoprotein ectodomain elicits virus-neutralizing antibodies. <i>Antiviral Research</i> , 2018 , 160, 25-37	10.8	4
26	The impact of real-time whole genome sequencing in controlling healthcare-associated SARS-CoV-2 outbreaks. <i>Journal of Infectious Diseases</i> , 2021 ,	7	4
25	Retrieval of the Complete Coding Sequence of the UK-Endemic Tatenale Orthohantavirus Reveals Extensive Strain Variation and Supports Its Classification as a Novel Species. <i>Viruses</i> , 2020 , 12,	6.2	3

24	Cholesterol conjugation potentiates the antiviral activity of an HIV immunoadhesin. <i>Journal of Peptide Science</i> , 2015 , 21, 743-9	2.1	3
23	Cloning and Analysis of Authentic Patient-Derived HCV E1/E2 Glycoproteins. <i>Methods in Molecular Biology</i> , 2019 , 1911, 275-294	1.4	3
22	Immunogenicity of a new gorilla adenovirus vaccine candidate for COVID-19		3
21	A bivalent HCV peptide vaccine elicits pan-genotypic neutralizing antibodies in mice. <i>Vaccine</i> , 2020 , 38, 6864-6867	4.1	3
20	Hepatitis C virus quasispecies and pseudotype analysis from acute infection to chronicity in HIV-1 co-infected individuals. <i>Virology</i> , 2016 , 492, 213-24	3.6	3
19	Identification of Infectious Agents in High-Throughput Sequencing Data Sets Is Easily Achievable Using Free, Cloud-Based Bioinformatics Platforms. <i>Journal of Clinical Microbiology</i> , 2019 , 57,	9.7	3
18	Trichodysplasia Spinulosa Polyomavirus in Respiratory Tract of Immunocompromised Child. <i>Emerging Infectious Diseases</i> , 2018 , 24, 1744-1746	10.2	3
17	Discovery and Prevalence of Divergent RNA Viruses in European Field Voles and Rabbits. <i>Viruses</i> , 2019 , 12,	6.2	2
16	Analysis of serine codon conservation reveals diverse phenotypic constraints on hepatitis C virus glycoprotein evolution. <i>Journal of Virology</i> , 2014 , 88, 667-78	6.6	2
15	SARS-CoV-2 proteins (version 2020.2) in the IUPHAR/BPS Guide to Pharmacology Database. <i>IUPHAR/BPS Guide To Pharmacology CITE</i> , 2020 , 2020,	1.7	2
14	An Antigenically Diverse, Representative Panel of Envelope Glycoproteins for Hepatitis C Virus Vaccine Development. <i>Gastroenterology</i> , 2021 ,	13.3	2
13	Use of short tandem repeat fingerprinting to validate sample origins in hepatitis C virus molecular epidemiology studies. <i>Journal of General Virology</i> , 2014 , 95, 66-70	4.9	2
12	Retrospective screening of routine respiratory samples revealed undetected community transmission and missed intervention opportunities for SARS-CoV-2 in the United Kingdom		2
11	Polymer microarrays rapidly identify competitive adsorbents of virus-like particles. <i>Biointerphases</i> , 2020 , 15, 061005	1.8	2
10	Real-World Outcomes of DAA Treatment and Retreatment in UK-based Patients Infected with HCV Genotypes/Subtypes Endemic in Africa. <i>Journal of Infectious Diseases</i> , 2021 ,	7	2
9	Tagged polymerase chain reaction subtractive hybridization for the enrichment of phage display random peptide libraries. <i>Analytical Biochemistry</i> , 2005 , 339, 61-8	3.1	1
8	Discovery of Novel Coronaviruses in Rodents. <i>Methods in Molecular Biology</i> , 2020 , 2203, 33-40	1.4	1
7	InFusion Cloning for the Generation of Biologically Relevant HCV Chimeric Molecular Clones. <i>Methods in Molecular Biology</i> , 2019 , 1911, 93-104	1.4	1

6	Expression of human ficolin-2 in hepatocytes confers resistance to infection by diverse hepatotropic viruses. <i>Journal of Medical Microbiology</i> , 2019 , 68, 642-648	3.2	1
5	Potent anti-SARS-CoV-2 Antibody Responses are Associated with Better Prognosis in Hospital Inpatient COVID-19 Disease		1
4	Retrieval of the Complete Coding Sequence of the UK-Endemic Tatenale Orthohantavirus Reveals Extensive Strain Variation and Supports its Classification as a Novel Species		1
3	Role of HVR1 sequence similarity in the cross-genotypic neutralization of HCV. <i>Virology Journal</i> , 2020 , 17, 140	6.1	1
2	Challenges on the development of a pseudotyping assay for Zika glycoproteins. <i>Journal of Medical Microbiology</i> , 2021 , 70,	3.2	1
1	The HCV Envelope Glycoprotein Down-Modulates NF- κ B Signalling and Associates With Stimulation of the Host Endoplasmic Reticulum Stress Pathway.. <i>Frontiers in Immunology</i> , 2022 , 13, 831695	8.4	