Birke Bartosch

List of Publications by Year in Descending Order

85 papers	7,153 citations	42 h-index	84 g-index
107 ext. papers	7,984 ext. citations	6.2 avg, IF	5.66 L-index

#	Paper	IF	Citations
85	Heparanase is upregulated by HCV and favors its replication.. *Journal of Hepatology*, **2022**,	13.4	2
84	HCV Virology **2021**, 1-44		
83	Cluster of differentiation 44 promotes osteosarcoma progression in mice lacking the tumor suppressor Merlin. *International Journal of Cancer*, **2020**, 147, 2564-2577	7.5	0
82	Hypoxia sensing by hepatic stellate cells leads to VEGF-dependent angiogenesis and may contribute to accelerated liver regeneration. *Scientific Reports*, **2020**, 10, 4392	4.9	13
81	Effect of endothelial cell heterogeneity on nanoparticle uptake. *International Journal of Pharmaceutics*, **2020**, 587, 119699	6.5	2
80	Hepatitis C Virus RNA-Dependent RNA Polymerase Is Regulated by Cysteine S-Glutathionylation. *Oxidative Medicine and Cellular Longevity*, **2019**, 2019, 3196140	6.7	2
79	Two phase kinetics of the inflammatory response from hepatocyte-peripheral blood mononuclear cell interactions. *Scientific Reports*, **2019**, 9, 8378	4.9	5
78	Metabolic Hallmarks of Hepatic Stellate Cells in Liver Fibrosis. *Cells*, **2019**, 9,	7.9	55
77	Regulation of Mitochondria-Associated Membranes (MAMs) by NO/sGC/PKG Participates in the Control of Hepatic Insulin Response. *Cells*, **2019**, 8,	7.9	12
76	Synergistic effect of interleukin-17 and tumour necrosis factor-□on inflammatory response in hepatocytes through interleukin-6-dependent and independent pathways. *Clinical and Experimental Immunology*, **2018**, 193, 221-233	6.2	20
75	Redox Biology of Respiratory Viral Infections. *Viruses*, **2018**, 10,	6.2	187
74	Polyamine Metabolism and Oxidative Protein Folding in the ER as ROS-Producing Systems Neglected in Virology. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	15
73	Activation of Polyamine Catabolism by N□,N-Diethylnorspermine in Hepatic HepaRG Cells Induces Dedifferentiation and Mesenchymal-Like Phenotype. *Cells*, **2018**, 7,	7.9	7
72	Oxidative Stress in Hepatitis C Infection **2018**, 1-13		1
71	Hepatitis C virus alters metabolism of biogenic polyamines by affecting expression of key enzymes of their metabolism. *Biochemical and Biophysical Research Communications*, **2017**, 483, 904-909	3.4	17
70	Hepatitis C virus infection propagates through interactions between Syndecan-1 and CD81 and impacts the hepatocyte glycocalyx. *Cellular Microbiology*, **2017**, 19, e12711	3.9	24
69	Oxidative stress, a trigger of hepatitis C and B virus-induced liver carcinogenesis. *Oncotarget*, **2017**, 8, 3895-3932	3.3	85

68	Hepatitis C virus infection triggers a tumor-like glutamine metabolism. *Hepatology*, **2017**, 65, 789-803	11.2	30
67	Hepatitis C Virus Alters Metabolism of Biogenic Polyamines by a ROS-dependent Induction of Key Enzymes of Their Metabolism. *Free Radical Biology and Medicine*, **2017**, 112, 166-167	7.8	
66	CD81 large extracellular loop-containing fusion proteins with a dominant negative effect on HCV cell spread and replication. *Journal of General Virology*, **2017**, 98, 1646-1657	4.9	3
65	T- and B-cell responses to multivalent prime-boost DNA and viral vectored vaccine combinations against hepatitis C virus in non-human primates. *Gene Therapy*, **2016**, 23, 753-759	4	4
64	Glutathione peroxidase 4 is reversibly induced by HCV to control lipid peroxidation and to increase virion infectivity. *Gut*, **2016**, 65, 144-54	19.2	37
63	Disruption of calcium transfer from ER to mitochondria links alterations of mitochondria-associated ER membrane integrity to hepatic insulin resistance. *Diabetologia*, **2016**, 59, 614-23	10.3	85
62	Metabolic reprogramming: a hallmark of viral oncogenesis. *Oncogene*, **2016**, 35, 4155-64	9.2	31
61	Hepatitis C Virus Increases Occludin Expression via the Upregulation of Adipose Differentiation-Related Protein. *PLoS ONE*, **2016**, 11, e0146000	3.7	7
60	Hepatitis C Virus NS5A Protein Triggers Oxidative Stress by Inducing NADPH Oxidases 1 and 4 and Cytochrome P450 2E1. *Oxidative Medicine and Cellular Longevity*, **2016**, 2016, 8341937	6.7	37
59	Oxidative Stress during HIV Infection: Mechanisms and Consequences. *Oxidative Medicine and Cellular Longevity*, **2016**, 2016, 8910396	6.7	166
58	Epidermal Growth Factor Receptor-Dependent Mutual Amplification between Netrin-1 and the Hepatitis C Virus. *PLoS Biology*, **2016**, 14, e1002421	9.7	10
57	Effect of Quercetin on Hepatitis C Virus Life Cycle: From Viral to Host Targets. *Scientific Reports*, **2016**, 6, 31777	4.9	52
56	Hepatitis C Virus Envelope Glycoprotein E1 Forms Trimers at the Surface of the Virion. *Journal of Virology*, **2015**, 89, 10333-46	6.6	46
55	Piecing together the key players of fibrosis in chronic hepatitis C: what roles do non-hepatic liver resident cell types play?. *Gut*, **2015**, 64, 862-3	19.2	2
54	HCV core protein uses multiple mechanisms to induce oxidative stress in human hepatoma Huh7 cells. *Viruses*, **2015**, 7, 2745-70	6.2	55
53	Mitochondria-associated endoplasmic reticulum membrane (MAM) integrity is required for insulin signaling and is implicated in hepatic insulin resistance. *Diabetes*, **2014**, 63, 3279-94	0.9	227
52	An immortalized human liver endothelial sinusoidal cell line for the study of the pathobiology of the liver endothelium. *Biochemical and Biophysical Research Communications*, **2014**, 450, 7-12	3.4	19
51	Role of seipin in lipid droplet morphology and hepatitis C virus life cycle. *Journal of General Virology* , **2013**, 94, 2208-2214	4.9	8

50	HCV and oxidative stress in the liver. *Viruses*, **2013**, 5, 439-69	6.2	151
49	Hepatitis C virus-induced mitochondrial dysfunctions. *Viruses*, **2013**, 5, 954-80	6.2	51
48	Batch profiling calibration for robust NMR metabonomic data analysis. *Analytical and Bioanalytical Chemistry*, **2013**, 405, 8819-27	4.4	11
47	Epstein - Barr virus transforming protein LMP-1 alters B cells gene expression by promoting accumulation of the oncoprotein ΔNp73. *PLoS Pathogens*, **2013**, 9, e1003186	7.6	19
46	Very-low-density lipoprotein (VLDL)-producing and hepatitis C virus-replicating HepG2 cells secrete no more lipoviroparticles than VLDL-deficient Huh7.5 cells. *Journal of Virology*, **2013**, 87, 5065-80	6.6	32
45	The mouse IAPE endogenous retrovirus can infect cells through any of the five GPI-anchored EphrinA proteins. *Retrovirology*, **2011**, 8,	3.6	78
44	The mouse IAPE endogenous retrovirus can infect cells through any of the five GPI-anchored Ephrin A proteins. *PLoS Pathogens*, **2011**, 7, e1002309	7.6	5
43	Characterization of hepatitis C virus pseudoparticles by cryo-transmission electron microscopy using functionalized magnetic nanobeads. *Journal of General Virology*, **2010**, 91, 1919-1930	4.9	25
42	Recent advances in hepatitis C virus cell entry. *Viruses*, **2010**, 2, 692-709	6.2	21
41	Hepatitis B and C viruses and hepatocellular carcinoma. *Viruses*, **2010**, 2, 1504-9	6.2	31
40	The tight junction-associated protein occludin is required for a postbinding step in hepatitis C virus entry and infection. *Journal of Virology*, **2009**, 83, 8012-20	6.6	123
39	Receptor complementation and mutagenesis reveal SR-BI as an essential HCV entry factor and functionally imply its intra- and extra-cellular domains. *PLoS Pathogens*, **2009**, 5, e1000310	7.6	100
38	Characterization of Lassa virus cell entry and neutralization with Lassa virus pseudoparticles. *Journal of Virology*, **2009**, 83, 3228-37	6.6	41
37	Hepatitis C virus and its complex interplay with hepatic glucose and lipid metabolism. *Journal of Hepatology*, **2009**, 50, 845-7	13.4	8
36	Hepatitis C virus-induced hepatocarcinogenesis. *Journal of Hepatology*, **2009**, 51, 810-20	13.4	114
35	The Ig domain protein CD9P-1 down-regulates CD81 ability to support Plasmodium yoelii infection. *Journal of Biological Chemistry*, **2009**, 284, 31572-8	5.4	20
34	Studying HCV cell entry with HCV pseudoparticles (HCVpp). *Methods in Molecular Biology*, **2009**, 510, 279-93	1.4	34
33	Porcine endogenous retroviruses PERV A and A/C recombinant are insensitive to a range of divergent mammalian TRIM5alpha proteins including human TRIM5alpha. *Journal of General Virology*, **2009**, 90, 702-709	4.9	18

32	Vaccine-induced early control of hepatitis C virus infection in chimpanzees fails to impact on hepatic PD-1 and chronicity. *Hepatology*, **2007**, 45, 602-13	11.2	74
31	The exchangeable apolipoprotein ApoC-I promotes membrane fusion of hepatitis C virus. *Journal of Biological Chemistry*, **2007**, 282, 32357-69	5.4	71
30	Reduction of the infectivity of hepatitis C virus pseudoparticles by incorporation of misfolded glycoproteins induced by glucosidase inhibitors. *Journal of General Virology*, **2007**, 88, 1133-1143	4.9	49
29	Rapid induction of virus-neutralizing antibodies and viral clearance in a single-source outbreak of hepatitis C. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 6025-30	11.5	407
28	Cell entry of hepatitis C virus. *Virology*, **2006**, 348, 1-12	3.6	121
27	Hepatitis C virus glycoproteins mediate low pH-dependent membrane fusion with liposomes. *Journal of Biological Chemistry*, **2006**, 281, 3909-17	5.4	105
26	Hepatitis C virus E2 links soluble human CD81 and SR-B1 protein. *Virus Research*, **2006**, 121, 58-64	6.4	22
25	Human serum facilitates hepatitis C virus infection, and neutralizing responses inversely correlate with viral replication kinetics at the acute phase of hepatitis C virus infection. *Journal of Virology*, **2005**, 79, 6023-34	6.6	229
24	Role of N-linked glycans in the functions of hepatitis C virus envelope glycoproteins. *Journal of Virology*, **2005**, 79, 8400-9	6.6	206
23	Characterization of host-range and cell entry properties of the major genotypes and subtypes of hepatitis C virus. *Hepatology*, **2005**, 41, 265-74	11.2	221
22	Human monoclonal antibodies that react with the E2 glycoprotein of hepatitis C virus and possess neutralizing activity. *Hepatology*, **2005**, 42, 1055-62	11.2	56
21	Monoclonal antibody AP33 defines a broadly neutralizing epitope on the hepatitis C virus E2 envelope glycoprotein. *Journal of Virology*, **2005**, 79, 11095-104	6.6	234
20	Evidence for cross-genotype neutralization of hepatitis C virus pseudo-particles and enhancement of infectivity by apolipoprotein C1. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 4560-5	11.5	213
19	Basic residues in hypervariable region 1 of hepatitis C virus envelope glycoprotein e2 contribute to virus entry. *Journal of Virology*, **2005**, 79, 15331-41	6.6	69
18	Contribution of the charged residues of hepatitis C virus glycoprotein E2 transmembrane domain to the functions of the E1E2 heterodimer. *Journal of General Virology*, **2005**, 86, 2793-2798	4.9	41
17	Analysis of a highly flexible conformational immunogenic domain a in hepatitis C virus E2. *Journal of Virology*, **2005**, 79, 13199-208	6.6	79
16	An interplay between hypervariable region 1 of the hepatitis C virus E2 glycoprotein, the scavenger receptor BI, and high-density lipoprotein promotes both enhancement of infection and protection against neutralizing antibodies. *Journal of Virology*, **2005**, 79, 8217-29	6.6	238
15	Assembly of functional hepatitis C virus glycoproteins on infectious pseudoparticles occurs intracellularly and requires concomitant incorporation of E1 and E2 glycoproteins. *Journal of General Virology*, **2005**, 86, 3189-3199	4.9	45

14	Strategies for retargeted gene delivery using vectors derived from lentiviruses. *Current Gene Therapy*, **2004**, 4, 427-43	4.3	47
13	C-type lectins L-SIGN and DC-SIGN capture and transmit infectious hepatitis C virus pseudotype particles. *Journal of Biological Chemistry*, **2004**, 279, 32035-45	5.4	147
12	Neutralizing antibodies to hepatitis C virus (HCV) in immune globulins derived from anti-HCV-positive plasma. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 7705-10	11.5	128
11	Determinants of high titer in recombinant porcine endogenous retroviruses. *Journal of Virology*, **2004**, 78, 13871-9	6.6	80
10	Evidence and consequence of porcine endogenous retrovirus recombination. *Journal of Virology*, **2004**, 78, 13880-90	6.6	94
9	Characterization of functional hepatitis C virus envelope glycoproteins. *Journal of Virology*, **2004**, 78, 2994-3002	6.6	184
8	Comparative immunogenicity analysis of modified vaccinia Ankara vectors expressing native or modified forms of hepatitis C virus E1 and E2 glycoproteins. *Vaccine*, **2004**, 22, 3917-28	4.1	25
7	Xenotransplantation and pig endogenous retroviruses. *Reviews in Medical Virology*, **2003**, 13, 311-29	11.7	66
6	Infectious hepatitis C virus pseudo-particles containing functional E1-E2 envelope protein complexes. *Journal of Experimental Medicine*, **2003**, 197, 633-42	16.6	908
5	In vitro assay for neutralizing antibody to hepatitis C virus: evidence for broadly conserved neutralization epitopes. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 14199-204	11.5	265
4	Cell entry of hepatitis C virus requires a set of co-receptors that include the CD81 tetraspanin and the SR-B1 scavenger receptor. *Journal of Biological Chemistry*, **2003**, 278, 41624-30	5.4	456
3	PCR-based cloning and immunocytological titration of infectious porcine endogenous retrovirus subgroup A and B. *Journal of General Virology*, **2002**, 83, 2231-2240	4.9	34
2	The long form of CDK2 arises via alternative splicing and forms an active protein kinase with cyclins A and E. *DNA and Cell Biology*, **2001**, 20, 413-23	3.6	12
1	NLRP3 controls ATM activation in response to DNA damage		1