Troels K Scheel

List of Publications by Citations

33 papers	2,495 citations	21 h-index	36 g-index
36 ext. papers	2,962 ext. citations	12.4 avg, IF	5.01 L-index

#	Paper	IF	Citations
33	Understanding the hepatitis C virus life cycle paves the way for highly effective therapies. *Nature Medicine*, **2013**, 19, 837-49	50.5	425
32	Hepatitis C virus RNA functionally sequesters miR-122. *Cell*, **2015**, 160, 1099-110	56.2	246
31	miRNA-target chimeras reveal miRNA 3aend pairing as a major determinant of Argonaute target specificity. *Nature Communications*, **2015**, 6, 8864	17.4	179
30	Robust hepatitis C genotype 3a cell culture releasing adapted intergenotypic 3a/2a (S52/JFH1) viruses. *Gastroenterology*, **2007**, 133, 1614-26	13.3	159
29	Development of JFH1-based cell culture systems for hepatitis C virus genotype 4a and evidence for cross-genotype neutralization. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 997-1002	11.5	156
28	MicroRNA-122 antagonism against hepatitis C virus genotypes 1-6 and reduced efficacy by host RNA insertion or mutations in the HCV 5aUTR. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 4991-6	11.5	154
27	Identification of rodent homologs of hepatitis C virus and pegiviruses. *MBio*, **2013**, 4, e00216-13	7.8	146
26	Novel infectious cDNA clones of hepatitis C virus genotype 3a (strain S52) and 4a (strain ED43): genetic analyses and in vivo pathogenesis studies. *Journal of Virology*, **2010**, 84, 5277-93	6.6	109
25	Efficient replication of genotype 3a and 4a hepatitis C virus replicons in human hepatoma cells. *Antimicrobial Agents and Chemotherapy*, **2012**, 56, 5365-73	5.9	104
24	A Broad RNA Virus Survey Reveals Both miRNA Dependence and Functional Sequestration. *Cell Host and Microbe*, **2016**, 19, 409-23	23.4	82
23	Mouse models of acute and chronic hepacivirus infection. *Science*, **2017**, 357, 204-208	33.3	74
22	Identification of a pegivirus (GB virus-like virus) that infects horses. *Journal of Virology*, **2013**, 87, 7185-96	6.6	73
21	Development and application of hepatitis C reporter viruses with genotype 1 to 7 core-nonstructural protein 2 (NS2) expressing fluorescent proteins or luciferase in modified JFH1 NS5A. *Journal of Virology*, **2011**, 85, 8913-28	6.6	73
20	Characterization of nonprimate hepacivirus and construction of a functional molecular clone. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 2192-7	11.5	72
19	Efficacy of NS5A Inhibitors Against Hepatitis C Virus Genotypes 1-7 and Escape Variants. *Gastroenterology*, **2018**, 154, 1435-1448	13.3	61
18	Surveying the global virome: identification and characterization of HCV-related animal hepaciviruses. *Antiviral Research*, **2015**, 115, 83-93	10.8	61
17	Efficient culture adaptation of hepatitis C virus recombinants with genotype-specific core-NS2 by using previously identified mutations. *Journal of Virology*, **2011**, 85, 2891-906	6.6	61

List of Publications

16	New Parvovirus Associated with Serum Hepatitis in Horses after Inoculation of Common Biological Product. *Emerging Infectious Diseases*, **2018**, 24, 303-310	10.2	47
15	Viral persistence, liver disease, and host response in a hepatitis C-like virus rat model. *Hepatology*, **2018**, 68, 435-448	11.2	38
14	Productive homologous and non-homologous recombination of hepatitis C virus in cell culture. *PLoS Pathogens*, **2013**, 9, e1003228	7.6	36
13	Analysis of functional differences between hepatitis C virus NS5A of genotypes 1-7 in infectious cell culture systems. *PLoS Pathogens*, **2012**, 8, e1002696	7.6	32
12	Functional Interplay between RNA Viruses and Non-Coding RNA in Mammals. *Non-coding RNA*, **2019**, 5,	7.1	21
11	miRNA independent hepacivirus variants suggest a strong evolutionary pressure to maintain miR-122 dependence. *PLoS Pathogens*, **2017**, 13, e1006694	7.6	18
10	Analysis of hepatitis C virus core/NS5A protein co-localization using novel cell culture systems expressing core-NS2 and NS5A of genotypes 1-7. *Journal of General Virology*, **2013**, 94, 2221-2235	4.9	16
9	Global mapping of miRNA-target interactions in cattle (Bos taurus). *Scientific Reports*, **2017**, 7, 8190	4.9	15
8	Hepatitis C Virus Protease Inhibitors Show Differential Efficacy and Interactions with Remdesivir for Treatment of SARS-CoV-2. *Antimicrobial Agents and Chemotherapy*, **2021**, 65, e0268020	5.9	13
7	Replicons of a Rodent Hepatitis C Model Virus Permit Selection of Highly Permissive Cells. *Journal of Virology*, **2019**, 93,	6.6	6
6	Equine pegiviruses cause persistent infection of bone marrow and are not associated with hepatitis. *PLoS Pathogens*, **2020**, 16, e1008677	7.6	6
5	Evolutionary selection of pestivirus variants with altered or no microRNA dependency. *Nucleic Acids Research*, **2020**, 48, 5555-5571	20.1	3
4	Versatile SARS-CoV-2 Reverse-Genetics Systems for the Study of Antiviral Resistance and Replication.. *Viruses*, **2022**, 14,	6.2	3
3	SARS-CoV-2 Production in a Scalable High Cell Density Bioreactor. *Vaccines*, **2021**, 9,	5.3	3
2	Pathogenesis, MicroRNA-122 Gene-Regulation, and Protective Immune Responses After Acute Equine Hepacivirus Infection. *Hepatology*, **2021**, 74, 1148-1163	11.2	2
1	Argonaute-CLIP delineates versatile, functional RNAi networks in Aedes aegypti, a major vector of human viruses. *Cell Host and Microbe*, **2021**, 29, 834-848.e13	23.4	1