

Philip Meuleman

List of Publications by Citations

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103
papers

5,078
citations

42
h-index

68
g-index

115
ext. papers

5,697
ext. citations

7.6
avg, IF

5.19
L-index

#	Paper	IF	Citations
103	Cell culture-grown hepatitis C virus is infectious in vivo and can be recultured in vitro. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 3805-9	11.5	375
102	Morphological and biochemical characterization of a human liver in a uPA-SCID mouse chimera. <i>Hepatology</i> , 2005 , 41, 847-56	11.2	301
101	The green tea polyphenol, epigallocatechin-3-gallate, inhibits hepatitis C virus entry. <i>Hepatology</i> , 2011 , 54, 1947-55	11.2	207
100	Anti-CD81 antibodies can prevent a hepatitis C virus infection in vivo. <i>Hepatology</i> , 2008 , 48, 1761-8	11.2	182
99	Cell culture adaptation of hepatitis C virus and in vivo viability of an adapted variant. <i>Journal of Virology</i> , 2007 , 81, 13168-79	6.6	138
98	Scavenger receptor BI and BII expression levels modulate hepatitis C virus infectivity. <i>Journal of Virology</i> , 2007 , 81, 3162-9	6.6	126
97	Turmeric curcumin inhibits entry of all hepatitis C virus genotypes into human liver cells. <i>Gut</i> , 2014 , 63, 1137-49	19.2	119
96	Viral entry and escape from antibody-mediated neutralization influence hepatitis C virus reinfection in liver transplantation. <i>Journal of Experimental Medicine</i> , 2010 , 207, 2019-31	16.6	118
95	Hypervariable region 1 differentially impacts viability of hepatitis C virus strains of genotypes 1 to 6 and impairs virus neutralization. <i>Journal of Virology</i> , 2011 , 85, 2224-34	6.6	115
94	Polyclonal immunoglobulins from a chronic hepatitis C virus patient protect human liver-chimeric mice from infection with a homologous hepatitis C virus strain. <i>Hepatology</i> , 2008 , 47, 1846-55	11.2	114
93	Griffithsin has antiviral activity against hepatitis C virus. <i>Antimicrobial Agents and Chemotherapy</i> , 2011 , 55, 5159-67	5.9	112
92	Production of infectious genotype 1b virus particles in cell culture and impairment by replication enhancing mutations. <i>PLoS Pathogens</i> , 2009 , 5, e1000475	7.6	105
91	The human liver-uPA-SCID mouse: a model for the evaluation of antiviral compounds against HBV and HCV. <i>Antiviral Research</i> , 2008 , 80, 231-8	10.8	105
90	Clearance of persistent hepatitis C virus infection in humanized mice using a claudin-1-targeting monoclonal antibody. <i>Nature Biotechnology</i> , 2015 , 33, 549-554	44.5	104
89	Vaccine-induced monoclonal antibodies targeting circumsporozoite protein prevent <i>Plasmodium falciparum</i> infection. <i>Journal of Clinical Investigation</i> , 2014 , 124, 140-4	15.9	104
88	A human monoclonal antibody targeting scavenger receptor class B type I precludes hepatitis C virus infection and viral spread in vitro and in vivo. <i>Hepatology</i> , 2012 , 55, 364-72	11.2	101
87	In vivo evaluation of the cross-genotype neutralizing activity of polyclonal antibodies against hepatitis C virus. <i>Hepatology</i> , 2011 , 53, 755-62	11.2	99

86	Polyphenols Inhibit Hepatitis C Virus Entry by a New Mechanism of Action. <i>Journal of Virology</i> , 2015 , 89, 10053-63	6.6	86
85	Study of hepatitis E virus infection of genotype 1 and 3 in mice with humanised liver. <i>Gut</i> , 2017 , 66, 920-929	8.5	85
84	Hepatitis E Virus Lifecycle and Identification of 3 Forms of the ORF2 Capsid Protein. <i>Gastroenterology</i> , 2018 , 154, 211-223.e8	13.3	85
83	Role of the hepatitis C virus core+1 open reading frame and core cis-acting RNA elements in viral RNA translation and replication. <i>Journal of Virology</i> , 2008 , 82, 11503-15	6.6	78
82	Is hepatitis E virus an emerging problem in industrialized countries?. <i>Hepatology</i> , 2015 , 62, 1883-92	11.2	77
81	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. <i>Journal of Virology</i> , 2011 , 85, 8913-28	6.6	73
80	Sporozoite immunization of human volunteers under chemoprophylaxis induces functional antibodies against pre-erythrocytic stages of Plasmodium falciparum. <i>Malaria Journal</i> , 2014 , 13, 136	3.6	68
79	Novel human SR-BI antibodies prevent infection and dissemination of HCV in vitro and in humanized mice. <i>Journal of Hepatology</i> , 2012 , 57, 17-23	13.4	64
78	Factors determining successful engraftment of hepatocytes and susceptibility to hepatitis B and C virus infection in uPA-SCID mice. <i>Journal of Hepatology</i> , 2010 , 53, 468-76	13.4	64
77	Challenge pools of hepatitis C virus genotypes 1-6 prototype strains: replication fitness and pathogenicity in chimpanzees and human liver-chimeric mouse models. <i>Journal of Infectious Diseases</i> , 2010 , 201, 1381-9	7	61
76	The Sin3a repressor complex is a master regulator of STAT transcriptional activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 12058-63	11.5	60
75	Discovery of (7R)-14-cyclohexyl-7-[[2-(dimethylamino)ethyl](methyl)amino]-7,8-dihydro-6H-indolo[1,2-e][1,5]benzoxazine-11-carboxylic acid (MK-3281), a potent and orally bioavailable finger-loop inhibitor of the hepatitis C virus NS5B polymerase. <i>Journal of Medicinal Chemistry</i> , 2011 , 54, 2882-2891	8.3	56
74	Generation and characterization of small single domain antibodies inhibiting human tumor necrosis factor receptor 1. <i>Journal of Biological Chemistry</i> , 2015 , 290, 4022-37	5.4	53
73	A genetically attenuated malaria vaccine candidate based on P. falciparum b9/slarp gene-deficient sporozoites. <i>ELife</i> , 2014 , 3,	8.9	53
72	Flunarizine prevents hepatitis C virus membrane fusion in a genotype-dependent manner by targeting the potential fusion peptide within E1. <i>Hepatology</i> , 2016 , 63, 49-62	11.2	53
71	Apolipoprotein E Mediates Evasion From Hepatitis C Virus Neutralizing Antibodies. <i>Gastroenterology</i> , 2016 , 150, 206-217.e4	13.3	52
70	Detection and structural investigation of metabolites of stanozolol in human urine by liquid chromatography tandem mass spectrometry. <i>Steroids</i> , 2009 , 74, 837-52	2.8	52
69	uPA+/+SCID mouse with humanized liver as a model for in vivo metabolism of exogenous steroids: methandienone as a case study. <i>Clinical Chemistry</i> , 2009 , 55, 1783-93	5.5	48

68	Ultra-rapid cardiotoxicity of the hepatitis C virus protease inhibitor BILN 2061 in the urokinase-type plasminogen activator mouse. <i>Gastroenterology</i> , 2007 , 133, 1144-55	13.3	48
67	Immune suppression uncovers endogenous cytopathic effects of the hepatitis B virus. <i>Journal of Virology</i> , 2006 , 80, 2797-807	6.6	48
66	Combined adenovirus vector and hepatitis C virus envelope protein prime-boost regimen elicits T cell and neutralizing antibody immune responses. <i>Journal of Virology</i> , 2014 , 88, 5502-10	6.6	45
65	Successful anti-scavenger receptor class B type I (SR-BI) monoclonal antibody therapy in humanized mice after challenge with HCV variants with in vitro resistance to SR-BI-targeting agents. <i>Hepatology</i> , 2014 , 60, 1508-18	11.2	43
64	Host cell mTORC1 is required for HCV RNA replication. <i>Gut</i> , 2016 , 65, 2017-2028	19.2	42
63	The natural compound silvestrol inhibits hepatitis E virus (HEV) replication in vitro and in vivo. <i>Antiviral Research</i> , 2018 , 157, 151-158	10.8	42
62	Detection and characterization of a new metabolite of 17alpha-methyltestosterone. <i>Drug Metabolism and Disposition</i> , 2009 , 37, 2153-62	4	42
61	A simple and rapid method to determine the zygosity of uPA-transgenic SCID mice. <i>Biochemical and Biophysical Research Communications</i> , 2003 , 308, 375-8	3.4	40
60	Lipoprotein lipase inhibits hepatitis C virus (HCV) infection by blocking virus cell entry. <i>PLoS ONE</i> , 2011 , 6, e26637	3.7	40
59	Tuning a cellular lipid kinase activity adapts hepatitis C virus to replication in cell culture. <i>Nature Microbiology</i> , 2016 , 2, 16247	26.6	39
58	In vivo and in vitro metabolism of the synthetic cannabinoid JWH-200. <i>Rapid Communications in Mass Spectrometry</i> , 2013 , 27, 2115-26	2.2	38
57	Human but not mouse hepatocytes respond to interferon-lambda in vivo. <i>PLoS ONE</i> , 2014 , 9, e87906	3.7	38
56	Transmission of hepatitis E virus infection to human-liver chimeric FRG mice using patient plasma. <i>Antiviral Research</i> , 2017 , 141, 150-154	10.8	34
55	HCV animal models and liver disease. <i>Journal of Hepatology</i> , 2014 , 61, S26-33	13.4	34
54	HVR1-mediated antibody evasion of highly infectious in vivo adapted HCV in humanised mice. <i>Gut</i> , 2016 , 65, 1988-1997	19.2	32
53	Combination of liquid-chromatography tandem mass spectrometry in different scan modes with human and chimeric mouse urine for the study of steroid metabolism. <i>Drug Testing and Analysis</i> , 2009 , 1, 554-67	3.5	31
52	Murine IL-2 receptor beta chain blockade improves human leukocyte engraftment in SCID mice. <i>European Journal of Immunology</i> , 1998 , 28, 3221-30	6.1	31
51	Hepatitis C virus infection and related liver disease: the quest for the best animal model. <i>Frontiers in Microbiology</i> , 2013 , 4, 213	5.7	30

50	Artemisinin analogues as potent inhibitors of in vitro hepatitis C virus replication. <i>PLoS ONE</i> , 2013 , 8, e81783	3.7	29
49	Robust hepatitis E virus infection and transcriptional response in human hepatocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 1731-1741	11.5	29
48	Human hepatocytes secrete soluble CD14, a process not directly influenced by HBV and HCV infection. <i>Clinica Chimica Acta</i> , 2006 , 366, 156-62	6.2	28
47	Monoclonal anti-envelope antibody AP33 protects humanized mice against a patient-derived hepatitis C virus challenge. <i>Hepatology</i> , 2016 , 63, 1120-34	11.2	26
46	Identification of a New Benzimidazole Derivative as an Antiviral against Hepatitis C Virus. <i>Journal of Virology</i> , 2016 , 90, 8422-34	6.6	24
45	In vitro and in vivo metabolisms of 1-pentyl-3-(4-methyl-1-naphthoyl)indole (JWH-122). <i>Forensic Toxicology</i> , 2013 , 31, 212-222	2.6	24
44	Animal models for the study of HCV. <i>Current Opinion in Virology</i> , 2015 , 13, 67-74	7.5	23
43	Animal Models to Study Hepatitis C Virus Infection. <i>Frontiers in Immunology</i> , 2018 , 9, 1032	8.4	23
42	Steroid metabolism in chimeric mice with humanized liver. <i>Drug Testing and Analysis</i> , 2009 , 1, 531-7	3.5	23
41	New insights into the ORF2 capsid protein, a key player of the hepatitis E virus lifecycle. <i>Scientific Reports</i> , 2019 , 9, 6243	4.9	22
40	Expansion, in vivo-ex vivo cycling, and genetic manipulation of primary human hepatocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 1678-1688	11.5	21
39	Anti-CD81 but not anti-SR-BI blocks Plasmodium falciparum liver infection in a humanized mouse model. <i>Journal of Antimicrobial Chemotherapy</i> , 2015 , 70, 1784-7	5.1	21
38	The uPA(+/+)-SCID mouse with humanized liver as a model for in vivo metabolism of 4-androstene-3,17-dione. <i>Drug Metabolism and Disposition</i> , 2009 , 37, 2367-74	4	20
37	Pentagalloylglucose, a highly bioavailable polyphenolic compound present in Cortex moutan, efficiently blocks hepatitis C virus entry. <i>Antiviral Research</i> , 2017 , 147, 19-28	10.8	18
36	Murine Tissues of Human Liver Chimeric Mice Are Not Susceptible to Hepatitis E Virus Genotypes 1 and 3. <i>Journal of Infectious Diseases</i> , 2017 , 216, 919-920	7	18
35	The emergence of hepatitis E virus in Europe. <i>Future Virology</i> , 2015 , 10, 763-778	2.4	17
34	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
33	Molecular detection and quantification of Plasmodium falciparum-infected human hepatocytes in chimeric immune-deficient mice. <i>Malaria Journal</i> , 2013 , 12, 430	3.6	16

32	Absence of zoonotic hepatitis E virus infection in Flemish dairy cows. <i>International Journal of Food Microbiology</i> , 2018 , 281, 54-59	5.8	16
31	Metabolism of methylstenbolone studied with human liver microsomes and the uPA+/+SCID chimeric mouse model. <i>Biomedical Chromatography</i> , 2014 , 28, 974-85	1.7	14
30	Thermostability of seven hepatitis C virus genotypes in vitro and in vivo. <i>Journal of Viral Hepatitis</i> , 2013 , 20, 478-85	3.4	14
29	Human skin-derived precursor cells are poorly immunogenic and modulate the allogeneic immune response. <i>Stem Cells</i> , 2014 , 32, 2215-28	5.8	14
28	In vivo inhibition of anti-hepatitis B virus core antigen (HBcAg) immunoglobulin G production by HBcAg-specific CD4(+) Th1-type T-cell clones in a hu-PBL-NOD/SCID mouse model. <i>Journal of Virology</i> , 2001 , 75, 11449-56	6.6	14
27	Impact of lipids and lipoproteins on hepatitis C virus infection and virus neutralization. <i>World Journal of Gastroenterology</i> , 2014 , 20, 15975-91	5.6	14
26	Mouse Systems to Model Hepatitis C Virus Treatment and Associated Resistance. <i>Viruses</i> , 2016 , 8,	6.2	14
25	Animal Models for Hepatitis E virus. <i>Viruses</i> , 2019 , 11,	6.2	13
24	Hepatitis E Virus (HEV) Open Reading Frame 2 Antigen Kinetics in Human-Liver Chimeric Mice and Its Impact on HEV Diagnosis. <i>Journal of Infectious Diseases</i> , 2019 , 220, 811-819	7	13
23	Successful Engraftment of Human Hepatocytes in uPA-SCID and FRG KO Mice. <i>Methods in Molecular Biology</i> , 2017 , 1506, 117-130	1.4	13
22	HCV animal models: a journey of more than 30 years. <i>Viruses</i> , 2009 , 1, 222-40	6.2	13
21	Prevention of hepatitis B infections: vaccination and its limitations. <i>Acta Clinica Belgica</i> , 2001 , 56, 209-19	1.8	13
20	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
19	A central hydrophobic E1 region controls the pH range of hepatitis C virus membrane fusion and susceptibility to fusion inhibitors. <i>Journal of Hepatology</i> , 2019 , 70, 1082-1092	13.4	12
18	Updates in Hepatitis E virus (HEV) field; lessons learned from human liver chimeric mice. <i>Reviews in Medical Virology</i> , 2020 , 30, e2086	11.7	12
17	Experimental Variables that Affect Human Hepatocyte AAV Transduction in Liver Chimeric Mice. <i>Molecular Therapy - Methods and Clinical Development</i> , 2020 , 18, 189-198	6.4	10
16	Liver-expressed and limit hepatitis C virus cross-species transmission to mice. <i>Science Advances</i> , 2020 , 6,	14.3	9
15	Expanding the Host Range of Hepatitis C Virus through Viral Adaptation. <i>MBio</i> , 2016 , 7,	7.8	8

14	Methylene Blue Treatment of Grafts During Cold Ischemia Time Reduces the Risk of Hepatitis C Virus Transmission. <i>Journal of Infectious Diseases</i> , 2018 , 218, 1711-1721	7	8
13	Blocking HCV entry as potential antiviral therapy. <i>Future Virology</i> , 2012 , 7, 547-561	2.4	7
12	Assessment of Parasite Liver-Stage Burden in Human-Liver Chimeric Mice. <i>Methods in Molecular Biology</i> , 2015 , 1325, 59-68	1.4	6
11	Hepatitis E virus prevalence in Flemish blood donors. <i>Journal of Viral Hepatitis</i> , 2019 , 26, 1218-1223	3.4	5
10	Inflammation Alters the Secretome and Immunomodulatory Properties of Human Skin-Derived Precursor Cells. <i>Cells</i> , 2020 , 9,	7.9	5
9	Tracking HCV protease population diversity during transmission and susceptibility of founder populations to antiviral therapy. <i>Antiviral Research</i> , 2017 , 139, 129-137	10.8	4
8	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
7	Functional Study of the C-Terminal Part of the Hepatitis C Virus E1 Ectodomain. <i>Journal of Virology</i> , 2018 , 92,	6.6	3
6	Blocking Entry of Hepatitis B and D Viruses to Hepatocytes as a Novel Immunotherapy for Treating Chronic Infections. <i>Journal of Infectious Diseases</i> , 2021 , 223, 128-138	7	3
5	861 THE LECTIN GRIFFITHSIN HAS ANTIVIRAL ACTIVITY AGAINST HEPATITIS C VIRUS IN VITRO AND IN VIVO. <i>Journal of Hepatology</i> , 2012 , 56, S335-S336	13.4	2
4	Infectivity and stability of hepatitis C virus in different perfusion solutions. <i>Transplant Infectious Disease</i> , 2019 , 21, e13135	2.7	1
3	Metabolic studies of prostanazol with the uPA-SCID chimeric mouse model and human liver microsomes. <i>Steroids</i> , 2016 , 107, 139-48	2.8	
2	Study of Hepatitis E Virus-4 Infection in Human Liver-Chimeric, Immunodeficient, and Immunocompetent Mice.. <i>Frontiers in Microbiology</i> , 2022 , 13, 819877	5.7	
1	A Role for B Cells to Transmit Hepatitis C Virus Infection.. <i>Frontiers in Immunology</i> , 2021 , 12, 775098	8.4	