

# Michael J Carr

## List of Publications by Year in descending order

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98  
papers

2,476  
citations

186265  
28  
h-index

254184  
43  
g-index

101  
all docs

101  
docs citations

101  
times ranked

4285  
citing authors

#	ARTICLE	IF	CITATIONS
1	Prevalence and genetic diversity of Dabieshan tick virus in Shandong Province, China. <i>Journal of Infection</i> , 2022, 85, 90-122.	3.3	8
2	Rapid detection of the emerging tick-borne Tamdy virus by TaqMan-based real-time reverse transcription PCR. <i>Journal of Virological Methods</i> , 2022, 305, 114538.	2.1	0
3	SARS-CoV-2 variant trends in Ireland: Wastewater-based epidemiology and clinical surveillance. <i>Science of the Total Environment</i> , 2022, 838, 155828.	8.0	25
4	Host-directed editing of the SARS-CoV-2 genome. <i>Biochemical and Biophysical Research Communications</i> , 2021, 538, 35-39.	2.1	80
5	Influence of viral transport media and freeze-thaw cycling on the sensitivity of qRT-PCR detection of SARS-CoV-2 nucleic acids. <i>Nanoscale</i> , 2021, 13, 15659-15667.	5.6	6
6	Design of micromagnetic arrays for on-chip separation of superparamagnetic bead aggregates and detection of a model protein and double-stranded DNA analytes. <i>Scientific Reports</i> , 2021, 11, 5302.	3.3	8
7	Tracking the international spread of SARS-CoV-2 lineages B.1.1.7 and B.1.351/501Y-V2. <i>Wellcome Open Research</i> , 2021, 6, 121.	1.8	115
8	Genomic epidemiological analysis of SARS-CoV-2 household transmission. <i>Access Microbiology</i> , 2021, 3, 000252.	0.5	4
9	Rapid humoral immune responses are required for recovery from haemorrhagic fever with renal syndrome patients. <i>Emerging Microbes and Infections</i> , 2020, 9, 2303-2314.	6.5	3
10	A genetic barcode of SARS-CoV-2 for monitoring global distribution of different clades during the COVID-19 pandemic. <i>International Journal of Infectious Diseases</i> , 2020, 100, 216-223.	3.3	43
11	Co-Circulation of Multiple Serotypes of Bluetongue Virus in Zambia. <i>Viruses</i> , 2020, 12, 963.	3.3	3
12	Evidence for exposure of asymptomatic domestic pigs to African swine fever virus during an inter-epidemic period in Zambia. <i>Transboundary and Emerging Diseases</i> , 2020, 67, 2741-2752.	3.0	14
13	Direct identification of the herpes simplex virus <i>UL27</i> gene through single particle manipulation and optical detection using a micromagnetic array. <i>Nanoscale</i> , 2020, 12, 3482-3490.	5.6	9
14	Host ESCRT factors are recruited during chikungunya virus infection and are required for the intracellular viral replication cycle. <i>Journal of Biological Chemistry</i> , 2020, 295, 7941-7957.	3.4	12
15	Extensive Genetic Diversity of Polyomaviruses in Sympatric Bat Communities: Host Switching versus Coevolution. <i>Journal of Virology</i> , 2020, 94, .	3.4	12
16	Interferon lambda rs368234815 G>G is associated with higher CD4+:CD8+ T-cell ratio in treated HIV-1 infection. <i>AIDS Research and Therapy</i> , 2020, 17, 13.	1.7	3
17	Bat Polyomaviruses: A Challenge to the Strict Host-Restriction Paradigm within the Mammalian Polyomaviridae. , 2020, , .		1
18	Bat-borne polyomaviruses in Europe reveal an evolutionary history of intrahost divergence with horseshoe bats distributed across the African and Eurasian continents. <i>Journal of General Virology</i> , 2020, 101, 1119-1130.	2.9	4

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19	Upregulated expression of the antioxidant sestrin 2 identified by transcriptomic analysis of Japanese encephalitis virus-infected SH-SY5Y neuroblastoma cells. <i>Virus Genes</i> , 2019, 55, 630-642.	1.6	14
20	A neonatal murine model of coxsackievirus A4 infection for evaluation of vaccines and antiviral drugs. <i>Emerging Microbes and Infections</i> , 2019, 8, 1445-1455.	6.5	11
21	Enterovirus-Associated Hand-Foot and Mouth Disease and Neurological Complications in Japan and the Rest of the World. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5201.	4.1	66
22	Genomic characterization of human adenovirus type 4 strains isolated worldwide since 1953 identifies two separable phylogroups evolving at different rates from their most recent common ancestor. <i>Virology</i> , 2019, 538, 11-23.	2.4	10
23	The Asian Lineage of Zika Virus: Transmission and Evolution in Asia and the Americas. <i>Virologica Sinica</i> , 2019, 34, 1-8.	3.0	30
24	Genome Analysis of Coxsackievirus A4 Isolates From Hand, Foot, and Mouth Disease Cases in Shandong, China. <i>Frontiers in Microbiology</i> , 2019, 10, 1001.	3.5	12
25	Serological evidence of Zika virus infection in non-human primates in Zambia. <i>Archives of Virology</i> , 2019, 164, 2165-2170.	2.1	16
26	Effects of Acetylshikonin on the Infection and Replication of Coxsackievirus A16 in Vitro and in Vivo. <i>Journal of Natural Products</i> , 2019, 82, 1089-1097.	3.0	7
27	Long noncoding RNAs: Novel regulators of virus-host interactions. <i>Reviews in Medical Virology</i> , 2019, 29, e2046.	8.3	38
28	Discovery and genetic characterization of diverse smacoviruses in Zambian non-human primates. <i>Scientific Reports</i> , 2019, 9, 5045.	3.3	8
29	Pediatric Infections by Human mastadenovirus C Types 2, 89, and a Recombinant Type Detected in Japan between 2011 and 2018. <i>Viruses</i> , 2019, 11, 1131.	3.3	5
30	The Role of Heparan Sulfate Proteoglycans as an Attachment Factor for Rabies Virus Entry and Infection. <i>Journal of Infectious Diseases</i> , 2018, 217, 1740-1749.	4.0	50
31	Discovery of Mwinilunga alphavirus: A novel alphavirus in <i>Culex</i> mosquitoes in Zambia. <i>Virus Research</i> , 2018, 250, 31-36.	2.2	25
32	Development of a rapid and quantitative method for the analysis of viral entry and release using a NanoLuc luciferase complementation assay. <i>Virus Research</i> , 2018, 243, 69-74.	2.2	34
33	Association of interferon lambda polymorphisms with elevated baseline viral loads in chronic hepatitis C virus genotype 6 infection. <i>Archives of Virology</i> , 2018, 163, 115-124.	2.1	2
34	Characterization of an inactivated whole-virus bivalent vaccine that induces balanced protective immunity against coxsackievirus A6 and A10 in mice. <i>Vaccine</i> , 2018, 36, 7095-7104.	3.8	17
35	Rapid detection of hand, foot and mouth disease enterovirus genotypes by multiplex PCR. <i>Journal of Virological Methods</i> , 2018, 258, 7-12.	2.1	16
36	Identification of group A rotaviruses from Zambian fruit bats provides evidence for long-distance dispersal events in Africa. <i>Infection, Genetics and Evolution</i> , 2018, 63, 104-109.	2.3	13

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37	Single Amino Acid Mutation in Dengue Virus NS4B Protein Has Opposing Effects on Viral Proliferation in Mammalian and Mosquito Cells. <i>Japanese Journal of Infectious Diseases</i> , 2018, 71, 448-454.	1.2	4
38	æŸ`è`â¥†ç—...æ`B4è`±â`¼æ€¥æ€\$â¿fè,CEç,Žâ`CEâ\$è,,‘çš`®â±,ç¥žç»â...fæ`°`è,¿â`°`é¼æ`¼âž`çš,,â`°ç««. <i>Zoological Research</i> , 2018, 39, 52-58.		
39	Isolation of a simian immunodeficiency virus from a malbrouck ( <i>Chlorocebus cynosuros</i> ). <i>Archives of Virology</i> , 2017, 162, 543-548.	2.1	8
40	Novel sub-lineages, recombinants and reassortants of severe fever with thrombocytopenia syndrome virus. <i>Ticks and Tick-borne Diseases</i> , 2017, 8, 385-390.	2.7	18
41	Seroepidemiological and phylogenetic characterization of neurotropic enteroviruses in Ireland, 2005â€2014. <i>Journal of Medical Virology</i> , 2017, 89, 1550-1558.	5.0	9
42	Discovery of a novel antiviral agent targeting the nonstructural protein 4 (nsP4) of chikungunya virus. <i>Virology</i> , 2017, 505, 102-112.	2.4	32
43	A Neonatal Murine Model of Coxsackievirus A6 Infection for Evaluation of Antiviral and Vaccine Efficacy. <i>Journal of Virology</i> , 2017, 91, .	3.4	32
44	Protective Efficacies of Formaldehyde-Inactivated Whole-Virus Vaccine and Antivirals in a Murine Model of Coxsackievirus A10 Infection. <i>Journal of Virology</i> , 2017, 91, .	3.4	30
45	Valosin-containing protein (VCP/p97) plays a role in the replication of West Nile virus. <i>Virus Research</i> , 2017, 228, 114-123.	2.2	32
46	Epidemiological characteristics of hand, foot, and mouth disease in Shandong, China, 2009â€2016. <i>Scientific Reports</i> , 2017, 7, 8900.	3.3	35
47	Discovery of African bat polyomaviruses and infrequent recombination in the large T antigen in the Polyomaviridae. <i>Journal of General Virology</i> , 2017, 98, 726-738.	2.9	14
48	Identification of the same polyomavirus species in different African horseshoe bat species is indicative of short-range host-switching events. <i>Journal of General Virology</i> , 2017, 98, 2771-2785.	2.9	11
49	The Role of Hepatitis C Virus Core Antigen Testing in the Era of Direct Acting Antiviral Therapies: What We Can Learn from the Protease Inhibitors. <i>PLoS ONE</i> , 2016, 11, e0163900.	2.5	21
50	Increasing genetic diversity of Zika virus in the Latin American outbreak. <i>Emerging Microbes and Infections</i> , 2016, 5, 1-3.	6.5	28
51	Viral Bronchiolitis is Associated With Altered Cytokine Gene Expression and Lymphocyte Activation Status. <i>Pediatric Infectious Disease Journal</i> , 2016, 35, e326-e338.	2.0	2
52	Naturally Occurring HCV NS5A/B Inhibitor Resistance-Associated Mutations to Direct-Acting Antivirals. <i>Antiviral Therapy</i> , 2016, 21, 447-453.	1.0	15
53	Radiation Therapy is Associated with Improved Outcomes in Merkel Cell Carcinoma. <i>Annals of Surgical Oncology</i> , 2016, 23, 3572-3578.	1.5	77
54	High genetic diversity and frequent genetic reassortment of avian influenza A(H9N2) viruses along the East Asianâ€Australian migratory flyway. <i>Infection, Genetics and Evolution</i> , 2016, 39, 325-329.	2.3	18

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55	Generation of recombinant rabies viruses encoding NanoLuc luciferase for antiviral activity assays. <i>Virus Research</i> , 2016, 215, 121-128.	2.2	21
56	Interleukin-15 is associated with disease severity in viral bronchiolitis. <i>European Respiratory Journal</i> , 2016, 47, 212-222.	6.7	19
57	Baseline Prevalence and Emergence of Protease Inhibitor Resistance Mutations following Treatment in Chronic HCV Genotype-1-Infected Individuals. <i>Antiviral Therapy</i> , 2015, 20, 865-869.	1.0	19
58	Hepatitis C Virus Core Mutations Associated with False-Negative Serological Results for Genotype 3a Core Antigen. <i>Journal of Clinical Microbiology</i> , 2015, 53, 2697-2700.	3.9	18
59	Self-collected buccal swabs and rapid, real-time PCR during a large measles outbreak in Wales: Evidence for the protective effect of prior MMR immunisation. <i>Journal of Clinical Virology</i> , 2015, 67, 1-7.	3.1	12
60	Non-coding regions of the Ebola virus genome contain indispensable phylogenetic and evolutionary information. <i>Science China Life Sciences</i> , 2015, 58, 682-686.	4.9	3
61	High Prevalence of Hepatitis Delta Virus among Persons Who Inject Drugs, Vietnam. <i>Emerging Infectious Diseases</i> , 2015, 21, 540-543.	4.3	4
62	Homozygosity for HLA Group 2 Alleles Predicts Treatment Failure with Interferon- $\alpha$ and Ribavirin in Chronic Hepatitis C Virus Genotype 1 Infection. <i>Journal of Interferon and Cytokine Research</i> , 2015, 35, 126-133.	1.2	4
63	Global and Local Persistence of Influenza A(H5N1) Virus. <i>Emerging Infectious Diseases</i> , 2014, 20, 1287-1295.	4.3	49
64	Rapid, highly sensitive detection of herpes simplex virus-1 using multiple antigenic peptide-coated superparamagnetic beads. <i>Analyst</i> , The, 2014, 139, 6126-6134.	3.5	19
65	Seroepidemiology and phylogenetic characterisation of measles virus in Ireland, 2004-2013. <i>Journal of Clinical Virology</i> , 2014, 60, 374-380.	3.1	12
66	Hepatitis B virus subgenotyping: History, effects of recombination, misclassifications, and corrections. <i>Infection, Genetics and Evolution</i> , 2013, 16, 355-361.	2.3	89
67	Human Polyomavirus Reactivation: Disease Pathogenesis and Treatment Approaches. <i>Clinical and Developmental Immunology</i> , 2013, 2013, 1-27.	3.3	66
68	Spontaneous clearance of hepatitis C infection after liver transplantation from IL28B rs12979860 CC donors. <i>European Journal of Gastroenterology and Hepatology</i> , 2012, 24, 1110-1112.	1.6	12
69	HIV Type 1 Coreceptor Tropism, CCR5 Genotype, and Integrase Inhibitor Resistance Profiles in Vietnam: Implications for the Introduction of New Antiretroviral Regimens. <i>AIDS Research and Human Retroviruses</i> , 2012, 28, 1344-1348.	1.1	6
70	Seroepidemiology of the recent mumps virus outbreaks in Ireland. <i>Journal of Clinical Virology</i> , 2012, 53, 320-324.	3.1	14
71	Subgenotype reclassification of genotype B hepatitis B virus. <i>BMC Gastroenterology</i> , 2012, 12, 116.	2.0	20
72	Identification of novel inter-genotypic recombinants of human hepatitis B viruses by large-scale phylogenetic analysis. <i>Virology</i> , 2012, 427, 51-59.	2.4	44

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73	A Multicentre Molecular Analysis of Hepatitis B and Blood-Borne Virus Coinfections in Viet Nam. PLoS ONE, 2012, 7, e39027.	2.5	56
74	Hepatitis C Virus in Vietnam: High Prevalence of Infection in Dialysis and Multi-Transfused Patients Involving Diverse and Novel Virus Variants. PLoS ONE, 2012, 7, e41266.	2.5	50
75	Subgenotyping of Genotype C Hepatitis B Virus: Correcting Misclassifications and Identifying a Novel Subgenotype. PLoS ONE, 2012, 7, e47271.	2.5	26
76	Recombinant expression and immunological characterisation of proteins derived from human metapneumovirus. Journal of Clinical Virology, 2011, 52, 236-243.	3.1	4
77	Deaths Associated with Human Adenovirus-14p1 Infections, Europe, 2009-2010. Emerging Infectious Diseases, 2011, 17, 1402-8.	4.3	41
78	Epstein-Barr Virus Gene Expression, Human Leukocyte Antigen Alleles and Chronic High Viral Loads in Pediatric Renal Transplant Patients. Transplantation, 2011, 92, 328-333.	1.0	20
79	Clinical and Epidemiological Aspects of the Emerging Adenovirus 14p1, Part I. Clinical Microbiology Newsletter, 2011, 33, 145-150.	0.7	1
80	Clinical and Epidemiological Aspects of the Emerging Adenovirus 14p1, Part II. Clinical Microbiology Newsletter, 2011, 33, 153-158.	0.7	2
81	Deaths Associated with Human Adenovirus-14p1 Infections, Europe, 2009-2010. Emerging Infectious Diseases, 2011, 17, 1402-1408.	4.3	70
82	Spread of Measles Virus D4-Hamburg, Europe, 2008-2011. Emerging Infectious Diseases, 2011, 17, 1396-1401.	4.3	65
83	Prevalence of HIV Type 1 Antiretroviral Drug Resistance Mutations in Vietnam: A Multicenter Study. AIDS Research and Human Retroviruses, 2011, 27, 797-801.	1.1	29
84	A low density oligonucleotide microarray for the detection of viral and atypical bacterial respiratory pathogens. Journal of Virological Methods, 2010, 163, 17-24.	2.1	28
85	First Report of Sudden Death Due to Myocarditis Caused by Adenovirus Serotype 3. Journal of Clinical Microbiology, 2010, 48, 642-645.	3.9	30
86	Molecular Epidemiological Evaluation of the Recent Resurgence in Mumps Virus Infections in Ireland. Journal of Clinical Microbiology, 2010, 48, 3288-3294.	3.9	32
87	Influenza viruses. , 2010, , 1590-1597.		2
88	Molecular epidemiology of circulating measles virus in Ireland 2002-2007. Journal of Medical Virology, 2009, 81, 125-129.	5.0	10
89	Reactivation of BK polyomavirus in patients with multiple sclerosis receiving natalizumab therapy. Journal of NeuroVirology, 2009, 15, 351-359.	2.1	18
90	Development of a real-time RT-PCR for the detection of Swine-lineage Influenza A (H1N1) virus infections. Journal of Clinical Virology, 2009, 45, 196-199.	3.1	85

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91	Molecular epidemiology of human metapneumovirus in Ireland. <i>Journal of Medical Virology</i> , 2008, 80, 510-516.	5.0	17
92	Rapid molecular detection of the H275Y oseltamivir resistance gene mutation in circulating influenza A (H1N1) viruses. <i>Journal of Virological Methods</i> , 2008, 153, 257-262.	2.1	36
93	A Consensus on Fungal Polymerase Chain Reaction Diagnosis?. <i>Journal of Molecular Diagnostics</i> , 2006, 8, 376-384.	2.8	99
94	Unique BK virus non-coding control region (NCCR) variants in hematopoietic stem cell transplant recipients with and without hemorrhagic cystitis. <i>Journal of Medical Virology</i> , 2006, 78, 485-493.	5.0	44
95	Identification of a genomic subgroup of BK polyomavirus spread in European populations. <i>Journal of General Virology</i> , 2006, 87, 3201-3208.	2.9	60
96	First Reported Case of Endocarditis Caused by <i>Candida dubliniensis</i> . <i>Journal of Clinical Microbiology</i> , 2005, 43, 3023-3026.	3.9	23
97	Genetic variation in clinical varicella-zoster virus isolates collected in Ireland between 2002 and 2003. <i>Journal of Medical Virology</i> , 2004, 73, 131-136.	5.0	25
98	REE inverse modeling of HSDP2 basalts: Evidence for multiple sources in the Hawaiian plume. <i>Geochemistry, Geophysics, Geosystems</i> , 2003, 4, .	2.5	48