

# Nathan M Beach

## List of Publications by Year in descending order

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26  
papers

785  
citations

516710

16  
h-index

610901

24  
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26  
all docs

26  
docs citations

26  
times ranked

925  
citing authors

#	ARTICLE	IF	CITATIONS
1	Pipeline for specific subtype amplification and drug resistance detection in hepatitis C virus. BMC Infectious Diseases, 2018, 18, 446.	2.9	29
2	Internal Disequilibria and Phenotypic Diversification during Replication of Hepatitis C Virus in a Noncoevolving Cellular Environment. Journal of Virology, 2017, 91, .	3.4	42
3	Real-time PCR-based infectivity assay for the titration of turkey hemorrhagic enteritis virus, an adenovirus, in live vaccines. Journal of Virological Methods, 2017, 239, 42-49.	2.1	8
4	Quasispecies and Drug Resistance. , 2017, , 123-147.		2
5	A chimeric virus created by DNA shuffling of the capsid genes of different subtypes of porcine circovirus type 2 (PCV2) in the backbone of the non-pathogenic PCV1 induces protective immunity against the predominant PCV2b and the emerging PCV2d in pigs. Virology, 2016, 498, 82-93.	2.4	18
6	Quasispecies and Drug Resistance. , 2014, , 1-22.		0
7	Molecular basis of interferon resistance in hepatitis C virus. Current Opinion in Virology, 2014, 8, 38-44.	5.4	22
8	Increased Replicative Fitness Can Lead to Decreased Drug Sensitivity of Hepatitis C Virus. Journal of Virology, 2014, 88, 12098-12111.	3.4	74
9	A live-attenuated and an inactivated chimeric porcine circovirus (PCV)1-2 vaccine are both effective at inducing a humoral immune response and reducing PCV2 viremia and intrauterine infection in female swine of breeding age. Canadian Journal of Veterinary Research, 2014, 78, 8-16.	0.2	7
10	A PCV2 vaccine based on genotype 2b is more effective than a 2a-based vaccine to protect against PCV2b or combined PCV2a/2b viremia in pigs with concurrent PCV2, PRRSV and PPV infection. Vaccine, 2013, 31, 487-494.	3.8	63
11	Concurrent porcine circovirus type 2a (PCV2a) or PCV2b infection increases the rate of amino acid mutations of porcine reproductive and respiratory syndrome virus (PRRSV) during serial passages in pigs. Virus Research, 2013, 178, 445-451.	2.2	12
12	Response of Hepatitis C Virus to Long-Term Passage in the Presence of Alpha Interferon: Multiple Mutations and a Common Phenotype. Journal of Virology, 2013, 87, 7593-7607.	3.4	88
13	Expression of human CD46 has no effect on porcine circovirus type 2 infection and shedding in the experimental pig model. Veterinary Research Communications, 2012, 36, 187-193.	1.6	4
14	Bordetella avium antibiotic resistance, novel enrichment culture, and antigenic characterization. Veterinary Microbiology, 2012, 160, 189-196.	1.9	21
15	Efficacy and future prospects of commercially available and experimental vaccines against porcine circovirus type 2 (PCV2). Virus Research, 2012, 164, 33-42.	2.2	155
16	Use of PCR-based assays for the detection of the adventitious agent porcine circovirus type 1 (PCV1) in vaccines, and for confirming the identity of cell substrates and viruses used in vaccine production. Journal of Virological Methods, 2012, 179, 201-211.	2.1	7
17	Effect of porcine circovirus type 2a or 2b on infection kinetics and pathogenicity of two genetically divergent strains of porcine reproductive and respiratory syndrome virus in the conventional pig model. Veterinary Microbiology, 2012, 158, 69-81.	1.9	21
18	ORF1 but not ORF2 dependent differences are important for in vitro replication of PCV2 in porcine alveolar macrophages singularly or coinfecting with PRRSV. Veterinary Microbiology, 2012, 158, 95-103.	1.9	9

#	ARTICLE	IF	CITATIONS
19	Productive infection of human hepatocellular carcinoma cells by porcine circovirus type 1. <i>Vaccine</i> , 2011, 29, 7303-7306.	3.8	23
20	An experimental live chimeric porcine circovirus 1-2a vaccine decreases porcine circovirus 2b viremia when administered intramuscularly or orally in a porcine circovirus 2b and porcine reproductive and respiratory syndrome virus dual-challenge model. <i>Microbiology and Immunology</i> , 2011, 55, 863-873.	1.4	11
21	<i>Bordetella avium</i> causes induction of apoptosis and nitric oxide synthase in turkey tracheal explant cultures. <i>Microbes and Infection</i> , 2011, 13, 871-879.	1.9	11
22	Chimeric Porcine Circoviruses (PCV) Containing Amino Acid Epitope Tags in the C Terminus of the Capsid Gene Are Infectious and Elicit both Anti-Epitope Tag Antibodies and Anti-PCV Type 2 Neutralizing Antibodies in Pigs. <i>Journal of Virology</i> , 2011, 85, 4591-4595.	3.4	25
23	Three Amino Acid Mutations (F51L, T59A, and S390L) in the Capsid Protein of the Hepatitis E Virus Collectively Contribute to Virus Attenuation. <i>Journal of Virology</i> , 2011, 85, 5338-5349.	3.4	26
24	Novel chimeric porcine circovirus (PCV) with the capsid gene of the emerging PCV2b subtype cloned in the genomic backbone of the non-pathogenic PCV1 is attenuated in vivo and induces protective and cross-protective immunity against PCV2b and PCV2a subtypes in pigs. <i>Vaccine</i> , 2010, 29, 221-232.	3.8	58
25	Comparison of 12 turkey hemorrhagic enteritis virus isolates allows prediction of genetic factors affecting virulence. <i>Journal of General Virology</i> , 2009, 90, 1978-1985.	2.9	31
26	Persistent Infection of Turkeys with an Avirulent Strain of Turkey Hemorrhagic Enteritis Virus. <i>Avian Diseases</i> , 2009, 53, 370-375.	1.0	18