

Anastasia N Vlasova

List of Publications by Citations

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84
papers

2,902
citations

31
h-index

51
g-index

88
ext. papers

3,779
ext. citations

5.4
avg, IF

5.47
L-index

#	Paper	IF	Citations
84	Distinct characteristics and complex evolution of PEDV strains, North America, May 2013-February 2014. <i>Emerging Infectious Diseases</i> , 2014 , 20, 1620-8	10.2	216
83	Emerging and re-emerging coronaviruses in pigs. <i>Current Opinion in Virology</i> , 2019 , 34, 39-49	7.5	153
82	Isolation and characterization of porcine deltacoronavirus from pigs with diarrhea in the United States. <i>Journal of Clinical Microbiology</i> , 2015 , 53, 1537-48	9.7	129
81	Vesicle-Cloaked Virus Clusters Are Optimal Units for Inter-organismal Viral Transmission. <i>Cell Host and Microbe</i> , 2018 , 24, 208-220.e8	23.4	129
80	Cell culture isolation and sequence analysis of genetically diverse US porcine epidemic diarrhea virus strains including a novel strain with a large deletion in the spike gene. <i>Veterinary Microbiology</i> , 2014 , 173, 258-69	3.3	125
79	Lactogenic immunity and vaccines for porcine epidemic diarrhea virus (PEDV): Historical and current concepts. <i>Virus Research</i> , 2016 , 226, 93-107	6.4	89
78	Antigenic relationships among porcine epidemic diarrhea virus and transmissible gastroenteritis virus strains. <i>Journal of Virology</i> , 2015 , 89, 3332-42	6.6	80
77	Lactobacilli and bifidobacteria promote immune homeostasis by modulating innate immune responses to human rotavirus in neonatal gnotobiotic pigs. <i>PLoS ONE</i> , 2013 , 8, e76962	3.7	79
76	Biologic, antigenic, and full-length genomic characterization of a bovine-like coronavirus isolated from a giraffe. <i>Journal of Virology</i> , 2007 , 81, 4981-90	6.6	77
75	Comparison of probiotic lactobacilli and bifidobacteria effects, immune responses and rotavirus vaccines and infection in different host species. <i>Veterinary Immunology and Immunopathology</i> , 2016 , 172, 72-84	2	76
74	Lactobacilli and Bifidobacteria enhance mucosal B cell responses and differentially modulate systemic antibody responses to an oral human rotavirus vaccine in a neonatal gnotobiotic pig disease model. <i>Gut Microbes</i> , 2014 , 5, 639-51	8.8	74
73	Porcine Rotaviruses: Epidemiology, Immune Responses and Control Strategies. <i>Viruses</i> , 2017 , 9,	6.2	70
72	Divergent immunomodulating effects of probiotics on T cell responses to oral attenuated human rotavirus vaccine and virulent human rotavirus infection in a neonatal gnotobiotic piglet disease model. <i>Journal of Immunology</i> , 2013 , 191, 2446-56	5.3	68
71	Bovine-like coronaviruses isolated from four species of captive wild ruminants are homologous to bovine coronaviruses, based on complete genomic sequences. <i>Journal of Virology</i> , 2008 , 82, 12422-31	6.6	66
70	Differential Effects of Escherichia coli Nissle and Lactobacillus rhamnosus Strain GG on Human Rotavirus Binding, Infection, and B Cell Immunity. <i>Journal of Immunology</i> , 2016 , 196, 1780-9	5.3	63
69	Detection and genetic diversity of porcine group A rotaviruses in historic (2004) and recent (2011 and 2012) swine fecal samples in Ohio: predominance of the G9P[13] genotype in nursing piglets. <i>Journal of Clinical Microbiology</i> , 2013 , 51, 1142-51	9.7	51
68	Altered pathogenesis of porcine respiratory coronavirus in pigs due to immunosuppressive effects of dexamethasone: implications for corticosteroid use in treatment of severe acute respiratory syndrome coronavirus. <i>Journal of Virology</i> , 2007 , 81, 13681-93	6.6	50

67	Experimental infection of gnotobiotic pigs with the cell-culture-adapted porcine deltacoronavirus strain OH-FD22. <i>Archives of Virology</i> , 2016 , 161, 3421-3434	2.6	49
66	Quasispecies of bovine enteric and respiratory coronaviruses based on complete genome sequences and genetic changes after tissue culture adaptation. <i>Virology</i> , 2007 , 363, 1-10	3.6	49
65	Novel Canine Coronavirus Isolated from a Hospitalized Pneumonia Patient, East Malaysia. <i>Clinical Infectious Diseases</i> , 2021 ,	11.6	49
64	Genomic and evolutionary inferences between American and global strains of porcine epidemic diarrhea virus. <i>Preventive Veterinary Medicine</i> , 2016 , 123, 175-184	3.1	48
63	Effects of dietary vitamin A content on antibody responses of feedlot calves inoculated intramuscularly with an inactivated bovine coronavirus vaccine. <i>American Journal of Veterinary Research</i> , 2013 , 74, 1353-62	1.1	48
62	IgY antibodies protect against human Rotavirus induced diarrhea in the neonatal gnotobiotic piglet disease model. <i>PLoS ONE</i> , 2012 , 7, e42788	3.7	44
61	Prenatally acquired vitamin A deficiency alters innate immune responses to human rotavirus in a gnotobiotic pig model. <i>Journal of Immunology</i> , 2013 , 190, 4742-53	5.3	43
60	Cytokine responses in porcine respiratory coronavirus-infected pigs treated with corticosteroids as a model for severe acute respiratory syndrome. <i>Journal of Virology</i> , 2008 , 82, 4420-8	6.6	42
59	Recombinant monovalent llama-derived antibody fragments (VHH) to rotavirus VP6 protect neonatal gnotobiotic piglets against human rotavirus-induced diarrhea. <i>PLoS Pathogens</i> , 2013 , 9, e1003334	7.6	40
58	Molecular characterization of a new species in the genus Alphacoronavirus associated with mink epizootic catarrhal gastroenteritis. <i>Journal of General Virology</i> , 2011 , 92, 1369-1379	4.9	38
57	Prevalence and genetic heterogeneity of porcine group C rotaviruses in nursing and weaned piglets in Ohio, USA and identification of a potential new VP4 genotype. <i>Veterinary Microbiology</i> , 2013 , 164, 27-38	3.3	36
56	How the gut microbiome regulates host immune responses to viral vaccines. <i>Current Opinion in Virology</i> , 2019 , 37, 16-25	7.5	32
55	Prenatal vitamin A deficiency impairs adaptive immune responses to pentavalent rotavirus vaccine (RotaTeq®) in a neonatal gnotobiotic pig model. <i>Vaccine</i> , 2014 , 32, 816-24	4.1	32
54	Molecular detection and genetic characterization of kobuviruses and astroviruses in asymptomatic local pigs in East Africa. <i>Archives of Virology</i> , 2014 , 159, 1313-9	2.6	32
53	Unraveling the Differences between Gram-Positive and Gram-Negative Probiotics in Modulating Protective Immunity to Enteric Infections. <i>Frontiers in Immunology</i> , 2017 , 8, 334	8.4	31
52	Two-way antigenic cross-reactivity between severe acute respiratory syndrome coronavirus (SARS-CoV) and group 1 animal CoVs is mediated through an antigenic site in the N-terminal region of the SARS-CoV nucleoprotein. <i>Journal of Virology</i> , 2007 , 81, 13365-77	6.6	30
51	Escherichia coli Nissle 1917 protects gnotobiotic pigs against human rotavirus by modulating pDC and NK-cell responses. <i>European Journal of Immunology</i> , 2016 , 46, 2426-2437	6.1	28
50	Coronaviruses 2019 , 488-523		27

49	Detection and genetic characterization of porcine group A rotaviruses in asymptomatic pigs in smallholder farms in East Africa: predominance of P[8] genotype resembling human strains. <i>Veterinary Microbiology</i> , 2015 , 175, 195-210	3.3	27
48	Impact of nutrition and rotavirus infection on the infant gut microbiota in a humanized pig model. <i>BMC Gastroenterology</i> , 2018 , 18, 93	3	26
47	Innate immune responses to human rotavirus in the neonatal gnotobiotic piglet disease model. <i>Immunology</i> , 2010 , 131, 242-56	7.8	26
46	Skin Vaccination against Rotavirus Using Microneedles: Proof of Concept in Gnotobiotic Piglets. <i>PLoS ONE</i> , 2016 , 11, e0166038	3.7	26
45	Protein Malnutrition Modifies Innate Immunity and Gene Expression by Intestinal Epithelial Cells and Human Rotavirus Infection in Neonatal Gnotobiotic Pigs. <i>MSphere</i> , 2017 , 2,	5	25
44	Development of a one-step RT-PCR assay for detection of pancoronaviruses (βCoV and Ecoronaviruses) using newly designed degenerate primers for porcine and avian fecal samples. <i>Journal of Virological Methods</i> , 2018 , 256, 116-122	2.6	25
43	Probiotics and colostrum/milk differentially affect neonatal humoral immune responses to oral rotavirus vaccine. <i>Vaccine</i> , 2013 , 31, 1916-23	4.1	25
42	Protein Malnutrition Alters Tryptophan and Angiotensin-Converting Enzyme 2 Homeostasis and Adaptive Immune Responses in Human Rotavirus-Infected Gnotobiotic Pigs with Human Infant Fecal Microbiota Transplant. <i>Vaccine Journal</i> , 2017 , 24,		24
41	Vitamin A deficiency impairs adaptive B and T cell responses to a prototype monovalent attenuated human rotavirus vaccine and virulent human rotavirus challenge in a gnotobiotic piglet model. <i>PLoS ONE</i> , 2013 , 8, e82966	3.7	24
40	Human rotavirus virus-like particle vaccines evaluated in a neonatal gnotobiotic pig model of human rotavirus disease. <i>Expert Review of Vaccines</i> , 2013 , 12, 169-81	5.2	23
39	Advances in Diagnostic Approaches for Viral Etiologies of Diarrhea: From the Lab to the Field. <i>Frontiers in Microbiology</i> , 2019 , 10, 1957	5.7	21
38	Protein deficiency reduces efficacy of oral attenuated human rotavirus vaccine in a human infant fecal microbiota transplanted gnotobiotic pig model. <i>Vaccine</i> , 2018 , 36, 6270-6281	4.1	21
37	In vivo gut transcriptome responses to <i>Lactobacillus rhamnosus</i> GG and <i>Lactobacillus acidophilus</i> in neonatal gnotobiotic piglets. <i>Gut Microbes</i> , 2014 , 5, 152-64	8.8	19
36	Bovine Coronavirus and the Associated Diseases. <i>Frontiers in Veterinary Science</i> , 2021 , 8, 643220	3.1	19
35	Epidemiology of Deltacoronaviruses (ECoV) and Gammacoronaviruses (ECoV) in Wild Birds in the United States. <i>Viruses</i> , 2019 , 11,	6.2	18
34	Engineering a Live Attenuated Porcine Epidemic Diarrhea Virus Vaccine Candidate via Inactivation of the Viral 2 μ -Methyltransferase and the Endocytosis Signal of the Spike Protein. <i>Journal of Virology</i> , 2019 , 93,	6.6	18
33	Stage of Gestation at Porcine Epidemic Diarrhea Virus Infection of Pregnant Swine Impacts Maternal Immunity and Lactogenic Immune Protection of Neonatal Suckling Piglets. <i>Frontiers in Immunology</i> , 2019 , 10, 727	8.4	18
32	Detection of group 2a coronaviruses with emphasis on bovine and wild ruminant strains. Virus isolation and detection of antibody, antigen, and nucleic acid. <i>Methods in Molecular Biology</i> , 2008 , 454, 43-59	1.4	16

31	Molecular epidemiology of classical swine fever in the Russian Federation. <i>Zoonoses and Public Health</i> , 2003 , 50, 363-7		15
30	Host Factors Affecting Generation of Immunity Against Porcine Epidemic Diarrhea Virus in Pregnant and Lactating Swine and Passive Protection of Neonates. <i>Pathogens</i> , 2020 , 9,	4.5	14
29	Comparative In Vitro and In Vivo Studies of Porcine Rotavirus G9P[13] and Human Rotavirus Wa G1P[8]. <i>Journal of Virology</i> , 2016 , 90, 142-51	6.6	14
28	Pathogenicity and immunogenicity of attenuated porcine epidemic diarrhea virus PC22A strain in conventional weaned pigs. <i>BMC Veterinary Research</i> , 2019 , 15, 26	2.7	14
27	Naturally Occurring Animal Coronaviruses as Models for Studying Highly Pathogenic Human Coronaviral Disease. <i>Veterinary Pathology</i> , 2021 , 58, 438-452	2.8	12
26	Molecular epidemiology and characterization of picobirnaviruses in small ruminant populations in India. <i>Infection, Genetics and Evolution</i> , 2018 , 63, 39-42	4.5	12
25	Effects of Nissle 1917 and Ciprofloxacin on small intestinal epithelial cell mRNA expression in the neonatal piglet model of human rotavirus infection. <i>Gut Pathogens</i> , 2016 , 8, 66	5.4	11
24	First report and genetic characterization of porcine astroviruses of lineage 4 and 2 in diarrhoeic pigs in India. <i>Transboundary and Emerging Diseases</i> , 2019 , 66, 47-53	4.2	11
23	Human Respiratory Coronaviruses Detected In Patients with Influenza-Like Illness in Arkansas, USA 2014 , 2014,		10
22	Prevalence and Genetic Diversity of Rotaviruses among under-Five Children in Ethiopia: A Systematic Review and Meta-Analysis. <i>Viruses</i> , 2020 , 12,	6.2	8
21	Tissue-specific mRNA expression profiles of porcine Toll-like receptors at different ages in germ-free and conventional pigs. <i>Veterinary Immunology and Immunopathology</i> , 2016 , 171, 7-16	2	8
20	Oral vitamin A supplementation of porcine epidemic diarrhea virus infected gilts enhances IgA and lactogenic immune protection of nursing piglets. <i>Veterinary Research</i> , 2019 , 50, 101	3.8	8
19	Infection of porcine small intestinal enteroids with human and pig rotavirus A strains reveals contrasting roles for histo-blood group antigens and terminal sialic acids. <i>PLoS Pathogens</i> , 2021 , 17, e1009237	7.6	8
18	Malnutrition Decreases Antibody Secreting Cell Numbers Induced by an Oral Attenuated Human Rotavirus Vaccine in a Human Infant Fecal Microbiota Transplanted Gnotobiotic Pig Model. <i>Frontiers in Immunology</i> , 2020 , 11, 196	8.4	7
17	Deltacoronavirus Evolution and Transmission: Current Scenario and Evolutionary Perspectives. <i>Frontiers in Veterinary Science</i> , 2020 , 7, 626785	3.1	7
16	BIOLOGICAL ASPECTS OF THE INTERSPECIES TRANSMISSION OF SELECTED CORONAVIRUSES 2013 , 393-418		6
15	Escherichia coli Nissle 1917 Enhances Innate and Adaptive Immune Responses in a Ciprofloxacin-Treated Defined-Microbiota Piglet Model of Human Rotavirus Infection. <i>MSphere</i> , 2021 , 6,	5	6
14	Interactions between human microbiome, diet, enteric viruses and immune system: Novel insights from gnotobiotic pig research. <i>Drug Discovery Today: Disease Models</i> , 2018 , 28, 95-103	1.3	6

13	Rotavirus C: prevalence in suckling piglets and development of virus-like particles to assess the influence of maternal immunity on the disease development. <i>Veterinary Research</i> , 2019 , 50, 84	3.8	5
12	Whole Genome Sequence Analysis of Porcine Astroviruses Reveals Novel Genetically Diverse Strains Circulating in East African Smallholder Pig Farms. <i>Viruses</i> , 2020 , 12,	6.2	5
11	Bovine Immunology: Implications for Dairy Cattle. <i>Frontiers in Immunology</i> , 2021 , 12, 643206	8.4	5
10	Escherichia coli Nissle 1917 administered as a dextranomal microsphere biofilm enhances immune responses against human rotavirus in a neonatal malnourished pig model colonized with human infant fecal microbiota. <i>PLoS ONE</i> , 2021 , 16, e0246193	3.7	4
9	Species C Rotaviruses in Children with Diarrhea in India, 2010-2013: A Potentially Neglected Cause of Acute Gastroenteritis. <i>Pathogens</i> , 2018 , 7,	4.5	3
8	Comparative Sequence Analysis of Historic and Current Porcine Rotavirus C Strains and Their Pathogenesis in 3-Day-Old and 3-Week-Old Piglets. <i>Frontiers in Microbiology</i> , 2020 , 11, 780	5.7	2
7	Porcine Deltacoronaviruses: Origin, Evolution, Cross-Species Transmission and Zoonotic Potential.. <i>Pathogens</i> , 2022 , 11,	4.5	2
6	Amino Acid Substitutions in Positions 385 and 393 of the Hydrophobic Region of VP4 May Be Associated with Rotavirus Attenuation and Cell Culture Adaptation. <i>Viruses</i> , 2020 , 12,	6.2	1
5	Mucosal Veterinary Vaccines 2015 , 1337-1361		1
4	Isolation and characterization of full-length recombinant cattle PrPC protein. <i>Bulletin of Experimental Biology and Medicine</i> , 2006 , 141, 62-5	0.8	1
3	Anti-rotavirus Properties and Mechanisms of Selected Gram-Positive and Gram-Negative Probiotics on Polarized Human Colonic (HT-29) Cells.. <i>Probiotics and Antimicrobial Proteins</i> , 2022 , 1	5.5	1
2	Mechanisms of Kwashiorkor-Associated Immune Suppression: Insights From Human, Mouse, and Pig Studies.. <i>Frontiers in Immunology</i> , 2022 , 13, 826268	8.4	1
1	Susceptibility of different cell lines to the novel canine coronavirus CCoV-HuPn-2018. <i>Influenza and Other Respiratory Viruses</i> , 2021 , 15, 824-825	5.6	0