

# Anastasia N Vlasova

## List of Publications by Year in descending order

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84  
papers

4,379  
citations

101384

36  
h-index

118652

62  
g-index

88  
all docs

88  
docs citations

88  
times ranked

4842  
citing authors

#	ARTICLE	IF	CITATIONS
1	Emerging and re-emerging coronaviruses in pigs. <i>Current Opinion in Virology</i> , 2019, 34, 39-49.	2.6	276
2	Distinct Characteristics and Complex Evolution of PEDV Strains, North America, May 2013–February 2014. <i>Emerging Infectious Diseases</i> , 2014, 20, 1620-8.	2.0	268
3	Vesicle-Cloaked Virus Clusters Are Optimal Units for Inter-organismal Viral Transmission. <i>Cell Host and Microbe</i> , 2018, 24, 208-220.e8.	5.1	209
4	Isolation and Characterization of Porcine Deltacoronavirus from Pigs with Diarrhea in the United States. <i>Journal of Clinical Microbiology</i> , 2015, 53, 1537-1548.	1.8	165
5	Porcine Rotaviruses: Epidemiology, Immune Responses and Control Strategies. <i>Viruses</i> , 2017, 9, 48.	1.5	154
6	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, 258-269.	0.8	150
7	Novel Canine Coronavirus Isolated from a Hospitalized Patient With Pneumonia in East Malaysia. <i>Clinical Infectious Diseases</i> , 2022, 74, 446-454.	2.9	142
8	Lactogenic immunity and vaccines for porcine epidemic diarrhea virus (PEDV): Historical and current concepts. <i>Virus Research</i> , 2016, 226, 93-107.	1.1	137
9	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.	0.5	124
10	Antigenic Relationships among Porcine Epidemic Diarrhea Virus and Transmissible Gastroenteritis Virus Strains. <i>Journal of Virology</i> , 2015, 89, 3332-3342.	1.5	96
11	Biologic, Antigenic, and Full-Length Genomic Characterization of a Bovine-Like Coronavirus Isolated from a Giraffe. <i>Journal of Virology</i> , 2007, 81, 4981-4990.	1.5	94
12	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.	1.1	92
13	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, 639-651.	4.3	89
14	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, 12422-12431.	1.5	88
15	Differential Effects of <i>Escherichia coli</i> Nissle and <i>Lactobacillus rhamnosus</i> Strain GG on Human Rotavirus Binding, Infection, and B Cell Immunity. <i>Journal of Immunology</i> , 2016, 196, 1780-1789.	0.4	86
16	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, 2446-2456.	0.4	81
17	Bovine Coronavirus and the Associated Diseases. <i>Frontiers in Veterinary Science</i> , 2021, 8, 643220.	0.9	68
18	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, 1353-1362.	0.3	64

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19	Detection and Genetic Diversity of Porcine Group A Rotaviruses in Historic (2004) and Recent (2011 and) Tj ETQq1 1 0.784314 rgBT Clinical Microbiology, 2013, 51, 1142-1151.	1.8	63
20	Experimental infection of gnotobiotic pigs with the cell-culture-adapted porcine deltacoronavirus strain OH-FD22. Archives of Virology, 2016, 161, 3421-3434.	0.9	62
21	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. Journal of Virology, 2007, 81, 13681-13693.	1.5	61
22	Genomic and evolutionary inferences between American and global strains of porcine epidemic diarrhea virus. Preventive Veterinary Medicine, 2016, 123, 175-184.	0.7	60
23	Quasispecies of bovine enteric and respiratory coronaviruses based on complete genome sequences and genetic changes after tissue culture adaptation. Virology, 2007, 363, 1-10.	1.1	58
24	IgY Antibodies Protect against Human Rotavirus Induced Diarrhea in the Neonatal Gnotobiotic Piglet Disease Model. PLoS ONE, 2012, 7, e42788.	1.1	58
25	Prenatally Acquired Vitamin A Deficiency Alters Innate Immune Responses to Human Rotavirus in a Gnotobiotic Pig Model. Journal of Immunology, 2013, 190, 4742-4753.	0.4	56
26	Molecular characterization of a new species in the genus Alphacoronavirus associated with mink epizootic catarrhal gastroenteritis. Journal of General Virology, 2011, 92, 1369-1379.	1.3	53
27	Impact of nutrition and rotavirus infection on the infant gut microbiota in a humanized pig model. BMC Gastroenterology, 2018, 18, 93.	0.8	53
28	Cytokine Responses in Porcine Respiratory Coronavirus-Infected Pigs Treated with Corticosteroids as a Model for Severe Acute Respiratory Syndrome. Journal of Virology, 2008, 82, 4420-4428.	1.5	52
29	Recombinant Monovalent Llama-Derived Antibody Fragments (VHH) to Rotavirus VP6 Protect Neonatal Gnotobiotic Piglets against Human Rotavirus-Induced Diarrhea. PLoS Pathogens, 2013, 9, e1003334.	2.1	52
30	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. Veterinary Microbiology, 2013, 164, 27-38.	0.8	50
31	How the gut microbiome regulates host immune responses to viral vaccines. Current Opinion in Virology, 2019, 37, 16-25.	2.6	50
32	Unraveling the Differences between Gram-Positive and Gram-Negative Probiotics in Modulating Protective Immunity to Enteric Infections. Frontiers in Immunology, 2017, 8, 334.	2.2	49
33	Prenatal vitamin A deficiency impairs adaptive immune responses to pentavalent rotavirus vaccine (RotaTeq®) in a neonatal gnotobiotic pig model. Vaccine, 2014, 32, 816-824.	1.7	44
34	Development of a one-step RT-PCR assay for detection of pancoronaviruses (î±-, î²-, î³-, and î´-coronaviruses) using newly designed degenerate primers for porcine and avian fecal samples. Journal of Virological Methods, 2018, 256, 116-122.	1.0	41
35	Stage of Gestation at Porcine Epidemic Diarrhea Virus Infection of Pregnant Swine Impacts Maternal Immunity and Lactogenic Immune Protection of Neonatal Suckling Piglets. Frontiers in Immunology, 2019, 10, 727.	2.2	41
36	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. Journal of Virology, 2007, 81, 13365-13377.	1.5	39

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37	Detection and genetic characterization of porcine group A rotaviruses in smallholder farms in East Africa: Predominance of P[8] genotype resembling human strains. <i>Veterinary Microbiology</i> , 2015, 175, 195-210.	0.8	39
38	<i>Escherichia coli</i> 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.	1.6	39
39	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, 169-181.	2.0	38
40	Bovine Immunology: Implications for Dairy Cattle. <i>Frontiers in Immunology</i> , 2021, 12, 643206.	2.2	38
41	Molecular detection and genetic characterization of kobuviruses and astroviruses in asymptomatic local pigs in East Africa. <i>Archives of Virology</i> , 2014, 159, 1313-1319.	0.9	37
42	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, .	1.3	37
43	Engineering a Live Attenuated Porcine Epidemic Diarrhea Virus Vaccine Candidate via Inactivation of the Viral 2'-5'-Methyltransferase and the Endocytosis Signal of the Spike Protein. <i>Journal of Virology</i> , 2019, 93, .	1.5	35
44	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.	1.1	35
45	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.	1.7	32
46	Innate immune responses to human rotavirus in the neonatal gnotobiotic piglet disease model. <i>Immunology</i> , 2010, 131, 242-256.	2.0	31
47	Probiotics and colostrum/milk differentially affect neonatal humoral immune responses to oral rotavirus vaccine. <i>Vaccine</i> , 2013, 31, 1916-1923.	1.7	31
48	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, .	3.2	30
49	Pathogenicity and immunogenicity of attenuated porcine epidemic diarrhea virus PC22A strain in conventional weaned pigs. <i>BMC Veterinary Research</i> , 2019, 15, 26.	0.7	30
50	Naturally Occurring Animal Coronaviruses as Models for Studying Highly Pathogenic Human Coronaviral Disease. <i>Veterinary Pathology</i> , 2021, 58, 438-452.	0.8	30
51	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, 130.	1.2	28
52	Skin Vaccination against Rotavirus Using Microneedles: Proof of Concept in Gnotobiotic Piglets. <i>PLoS ONE</i> , 2016, 11, e0166038.	1.1	28
53	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.	1.1	26
54	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, 152-164.	4.3	25

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55	Advances in Diagnostic Approaches for Viral Etiologies of Diarrhea: From the Lab to the Field. <i>Frontiers in Microbiology</i> , 2019, 10, 1957.	1.5	25
56	Epidemiology of Deltacoronaviruses ( $\beta^1$ -CoV) and Gammacoronaviruses ( $\beta^3$ -CoV) in Wild Birds in the United States. <i>Viruses</i> , 2019, 11, 897.	1.5	24
57	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.	1.3	23
58	Porcine Deltacoronaviruses: Origin, Evolution, Cross-Species Transmission and Zoonotic Potential. <i>Pathogens</i> , 2022, 11, 79.	1.2	23
59	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.	2.1	22
60	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.	1.1	21
61	Detection of Group 2a Coronaviruses with Emphasis on Bovine and Wild Ruminant Strains. <i>Methods in Molecular Biology</i> , 2008, 454, 43-59.	0.4	20
62	Human Respiratory Coronaviruses Detected In Patients with InfluenzaLike Illness in Arkansas, USA. , 2014, 01, .		20
63	Comparative <i>In Vitro</i> and <i>In Vivo</i> Studies of Porcine Rotavirus G9P[13] and Human Rotavirus Wa G1P[8]. <i>Journal of Virology</i> , 2016, 90, 142-151.	1.5	19
64	Prevalence and Genetic Diversity of Rotaviruses among under-Five Children in Ethiopia: A Systematic Review and Meta-Analysis. <i>Viruses</i> , 2020, 12, 62.	1.5	19
65	Deltacoronavirus Evolution and Transmission: Current Scenario and Evolutionary Perspectives. <i>Frontiers in Veterinary Science</i> , 2020, 7, 626785.	0.9	19
66	Molecular epidemiology and characterization of picobirnaviruses in small ruminant populations in India. <i>Infection, Genetics and Evolution</i> , 2018, 63, 39-42.	1.0	18
67	Molecular Epidemiology of Classical Swine Fever in the Russian Federation. <i>Zoonoses and Public Health</i> , 2003, 50, 363-367.	1.4	17
68	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.	1.1	17
69	Effects of Escherichia coli 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.	1.6	16
70	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.	2.2	15
71	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, .	1.3	14
72	Mechanisms of Kwashiorkor-Associated Immune Suppression: Insights From Human, Mouse, and Pig Studies. <i>Frontiers in Immunology</i> , 2022, 13, 826268.	2.2	12

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73	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.	0.5	11
74	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.	1.2	10
75	Species C Rotaviruses in Children with Diarrhea in India, 2010â€“2013: A Potentially Neglected Cause of Acute Gastroenteritis. <i>Pathogens</i> , 2018, 7, 23.	1.2	9
76	Whole Genome Sequence Analysis of Porcine Astroviruses Reveals Novel Genetically Diverse Strains Circulating in East African Smallholder Pig Farms. <i>Viruses</i> , 2020, 12, 1262.	1.5	8
77	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.	1.5	7
78	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, 408.	1.5	6
79	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> , 2023, 15, 107-128.	1.9	5
80	Isolation and characterization of full-length recombinant cattle PrPC protein. <i>Bulletin of Experimental Biology and Medicine</i> , 2006, 141, 62-65.	0.3	3
81	Susceptibility of different cell lines to the novel canine coronavirus CCoVâ€“HuPnâ€“2018. <i>Influenza and Other Respiratory Viruses</i> , 2021, 15, 824-825.	1.5	3
82	Escherichia coli Nissle 1917 Enhances Efficacy of Oral Attenuated Human Rotavirus Vaccine in a Gnotobiotic Piglet Model. <i>Vaccines</i> , 2022, 10, 83.	2.1	3
83	Mucosal Veterinary Vaccines. , 2015, , 1337-1361.		2
84	Editorial: Porcine Anti-Viral Immunity. <i>Frontiers in Immunology</i> , 2020, 11, 399.	2.2	0