

Anastasia N Vlasova

List of Publications by Year in descending order

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84
papers

4,379
citations

101543

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times ranked

4842
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	3.9	5
2	Novel Canine Coronavirus Isolated from a Hospitalized Patient With Pneumonia in East Malaysia. <i>Clinical Infectious Diseases</i> , 2022, 74, 446-454.	5.8	142
3	Porcine Deltacoronaviruses: Origin, Evolution, Cross-Species Transmission and Zoonotic Potential. <i>Pathogens</i> , 2022, 11, 79.	2.8	23
4	<i>Escherichia coli</i> Nissle 1917 Enhances Efficacy of Oral Attenuated Human Rotavirus Vaccine in a Gnotobiotic Piglet Model. <i>Vaccines</i> , 2022, 10, 83.	4.4	3
5	Mechanisms of Kwashiorkor-Associated Immune Suppression: Insights From Human, Mouse, and Pig Studies. <i>Frontiers in Immunology</i> , 2022, 13, 826268.	4.8	12
6	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.	4.7	22
7	<i>Escherichia coli</i> 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.	2.5	17
8	<i>Escherichia coli</i> 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, .	2.9	14
9	Bovine Coronavirus and the Associated Diseases. <i>Frontiers in Veterinary Science</i> , 2021, 8, 643220.	2.2	68
10	Bovine Immunology: Implications for Dairy Cattle. <i>Frontiers in Immunology</i> , 2021, 12, 643206.	4.8	38
11	Susceptibility of different cell lines to the novel canine coronavirus CCoV-2018. <i>Influenza and Other Respiratory Viruses</i> , 2021, 15, 824-825.	3.4	3
12	Naturally Occurring Animal Coronaviruses as Models for Studying Highly Pathogenic Human Coronavirus Disease. <i>Veterinary Pathology</i> , 2021, 58, 438-452.	1.7	30
13	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.	3.3	8
14	Editorial: Porcine Anti-Viral Immunity. <i>Frontiers in Immunology</i> , 2020, 11, 399.	4.8	0
15	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.	4.8	15
16	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.	2.8	28
17	Prevalence and Genetic Diversity of Rotaviruses among under-Five Children in Ethiopia: A Systematic Review and Meta-Analysis. <i>Viruses</i> , 2020, 12, 62.	3.3	19
18	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.	3.3	6

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19	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.	3.5	7
20	Deltacoronavirus Evolution and Transmission: Current Scenario and Evolutionary Perspectives. <i>Frontiers in Veterinary Science</i> , 2020, 7, 626785.	2.2	19
21	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.	3.0	26
22	Epidemiology of Deltacoronaviruses ($\hat{\nu}$ -CoV) and Gammacoronaviruses ($\hat{\nu}^3$ -CoV) in Wild Birds in the United States. <i>Viruses</i> , 2019, 11, 897.	3.3	24
23	Advances in Diagnostic Approaches for Viral Etiologies of Diarrhea: From the Lab to the Field. <i>Frontiers in Microbiology</i> , 2019, 10, 1957.	3.5	25
24	How the gut microbiome regulates host immune responses to viral vaccines. <i>Current Opinion in Virology</i> , 2019, 37, 16-25.	5.4	50
25	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, .	3.4	35
26	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.	4.8	41
27	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.	3.0	21
28	Emerging and re-emerging coronaviruses in pigs. <i>Current Opinion in Virology</i> , 2019, 34, 39-49.	5.4	276
29	Pathogenicity and immunogenicity of attenuated porcine epidemic diarrhea virus PC22A strain in conventional weaned pigs. <i>BMC Veterinary Research</i> , 2019, 15, 26.	1.9	30
30	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.	3.0	23
31	Development of a one-step RT-PCR assay for detection of pancoronaviruses ($\hat{\nu}^1$ -, $\hat{\nu}^2$ -, $\hat{\nu}^3$ -, and $\hat{\nu}$ -coronaviruses) using newly designed degenerate primers for porcine and avian fecal samples. <i>Journal of Virological Methods</i> , 2018, 256, 116-122.	2.1	41
32	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
33	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.	3.8	32
34	Molecular epidemiology and characterization of picobirnaviruses in small ruminant populations in India. <i>Infection, Genetics and Evolution</i> , 2018, 63, 39-42.	2.3	18
35	Species C Rotaviruses in Children with Diarrhea in India, 2010–2013: A Potentially Neglected Cause of Acute Gastroenteritis. <i>Pathogens</i> , 2018, 7, 23.	2.8	9
36	Impact of nutrition and rotavirus infection on the infant gut microbiota in a humanized pig model. <i>BMC Gastroenterology</i> , 2018, 18, 93.	2.0	53

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37	Vesicle-Cloaked Virus Clusters Are Optimal Units for Inter-organismal Viral Transmission. <i>Cell Host and Microbe</i> , 2018, 24, 208-220.e8.	11.0	209
38	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, .	2.9	37
39	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, .	3.1	30
40	Porcine Rotaviruses: Epidemiology, Immune Responses and Control Strategies. <i>Viruses</i> , 2017, 9, 48.	3.3	154
41	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.	4.8	49
42	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.	1.2	11
43	Lactogenic immunity and vaccines for porcine epidemic diarrhea virus (PEDV): Historical and current concepts. <i>Virus Research</i> , 2016, 226, 93-107.	2.2	137
44	<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.	2.9	39
45	Experimental infection of gnotobiotic pigs with the cell-culture-adapted porcine deltacoronavirus strain OH-FD22. <i>Archives of Virology</i> , 2016, 161, 3421-3434.	2.1	62
46	Effects of <i>Escherichia coli</i> 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.	3.4	16
47	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.	1.2	124
48	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.	0.8	86
49	Genomic and evolutionary inferences between American and global strains of porcine epidemic diarrhea virus. <i>Preventive Veterinary Medicine</i> , 2016, 123, 175-184.	1.9	60
50	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.	3.4	19
51	Skin Vaccination against Rotavirus Using Microneedles: Proof of Concept in Gnotobiotic Piglets. <i>PLoS ONE</i> , 2016, 11, e0166038.	2.5	28
52	<i>Mucosal Veterinary Vaccines</i> . , 2015, , 1337-1361.		2
53	Antigenic Relationships among Porcine Epidemic Diarrhea Virus and Transmissible Gastroenteritis Virus Strains. <i>Journal of Virology</i> , 2015, 89, 3332-3342.	3.4	96
54	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.	1.9	39

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55	Isolation and Characterization of Porcine Deltacoronavirus from Pigs with Diarrhea in the United States. <i>Journal of Clinical Microbiology</i> , 2015, 53, 1537-1548.	3.9	165
56	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.	9.8	25
57	Distinct Characteristics and Complex Evolution of PEDV Strains, North America, May 2013–February 2014. <i>Emerging Infectious Diseases</i> , 2014, 20, 1620-8.	4.3	268
58	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.	9.8	89
59	Prenatal vitamin A deficiency impairs adaptive immune responses to pentavalent rotavirus vaccine (RotaTeq®) in a neonatal gnotobiotic pig model. <i>Vaccine</i> , 2014, 32, 816-824.	3.8	44
60	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.	2.1	37
61	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.	1.9	150
62	Human Respiratory Coronaviruses Detected In Patients with Influenza-Like Illness in Arkansas, USA. , 2014, 01, .		20
63	Probiotics and colostrum/milk differentially affect neonatal humoral immune responses to oral rotavirus vaccine. <i>Vaccine</i> , 2013, 31, 1916-1923.	3.8	31
64	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.	4.4	38
65	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.	1.9	50
66	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.	4.7	52
67	Prenatally Acquired Vitamin A Deficiency Alters Innate Immune Responses to Human Rotavirus in a Gnotobiotic Pig Model. <i>Journal of Immunology</i> , 2013, 190, 4742-4753.	0.8	56
68	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.	0.8	81
69	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.	0.6	64
70	Detection and Genetic Diversity of Porcine Group A Rotaviruses in Historic (2004) and Recent (2011 and) Tj ETQq0 0 0 rgBT /Overlock 1 <i>Clinical Microbiology</i> , 2013, 51, 1142-1151.	3.9	63
71	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.	2.5	92
72	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.	2.5	35

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73	IgY Antibodies Protect against Human Rotavirus Induced Diarrhea in the Neonatal Gnotobiotic Piglet Disease Model. <i>PLoS ONE</i> , 2012, 7, e42788.	2.5	58
74	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.	2.9	53
75	Innate immune responses to human rotavirus in the neonatal gnotobiotic piglet disease model. <i>Immunology</i> , 2010, 131, 242-256.	4.4	31
76	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.	3.4	88
77	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, 4420-4428.	3.4	52
78	Detection of Group 2a Coronaviruses with Emphasis on Bovine and Wild Ruminant Strains. <i>Methods in Molecular Biology</i> , 2008, 454, 43-59.	0.9	20
79	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.	3.4	94
80	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, 13365-13377.	3.4	39
81	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, 13681-13693.	3.4	61
82	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.	2.4	58
83	Isolation and characterization of full-length recombinant cattle PrPC protein. <i>Bulletin of Experimental Biology and Medicine</i> , 2006, 141, 62-65.	0.8	3
84	Molecular Epidemiology of Classical Swine Fever in the Russian Federation. <i>Zoonoses and Public Health</i> , 2003, 50, 363-367.	1.4	17