

Anastasia N Vlasova

List of Publications by Year in descending order

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84
papers

4,379
citations

101543

36
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118850

62
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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. | 5.4 | 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. | 4.3 | 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. | 11.0 | 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. | 3.9 | 165 |
| 5 | Porcine Rotaviruses: Epidemiology, Immune Responses and Control Strategies. <i>Viruses</i> , 2017, 9, 48. | 3.3 | 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. | 1.9 | 150 |
| 7 | 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 |
| 8 | 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 |
| 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. | 1.2 | 124 |
| 10 | Antigenic Relationships among Porcine Epidemic Diarrhea Virus and Transmissible Gastroenteritis Virus Strains. <i>Journal of Virology</i> , 2015, 89, 3332-3342. | 3.4 | 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. | 3.4 | 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. | 2.5 | 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. | 9.8 | 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. | 3.4 | 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. | 0.8 | 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. | 0.8 | 81 |
| 17 | Bovine Coronavirus and the Associated Diseases. <i>Frontiers in Veterinary Science</i> , 2021, 8, 643220. | 2.2 | 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. | 0.6 | 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. | 3.9 | 63 |
| 20 | Experimental infection of gnotobiotic pigs with the cell-culture-adapted porcine deltacoronavirus strain OH-FD22. Archives of Virology, 2016, 161, 3421-3434. | 2.1 | 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. | 3.4 | 61 |
| 22 | Genomic and evolutionary inferences between American and global strains of porcine epidemic diarrhea virus. Preventive Veterinary Medicine, 2016, 123, 175-184. | 1.9 | 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. | 2.4 | 58 |
| 24 | IgY Antibodies Protect against Human Rotavirus Induced Diarrhea in the Neonatal Gnotobiotic Piglet Disease Model. PLoS ONE, 2012, 7, e42788. | 2.5 | 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. | 0.8 | 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. | 2.9 | 53 |
| 27 | Impact of nutrition and rotavirus infection on the infant gut microbiota in a humanized pig model. BMC Gastroenterology, 2018, 18, 93. | 2.0 | 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. | 3.4 | 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. | 4.7 | 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. | 1.9 | 50 |
| 31 | How the gut microbiome regulates host immune responses to viral vaccines. Current Opinion in Virology, 2019, 37, 16-25. | 5.4 | 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. | 4.8 | 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. | 3.8 | 44 |
| 34 | Development of a one-step RT-PCR assay for detection of pancoronaviruses (î±-, î²-, î³-, and î¹-coronaviruses) using newly designed degenerate primers for porcine and avian fecal samples. Journal of Virological Methods, 2018, 256, 116-122. | 2.1 | 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. | 4.8 | 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. | 3.4 | 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. | 1.9 | 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. | 2.9 | 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. | 4.4 | 38 |
| 40 | Bovine Immunology: Implications for Dairy Cattle. <i>Frontiers in Immunology</i> , 2021, 12, 643206. | 4.8 | 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. | 2.1 | 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, . | 2.9 | 37 |
| 43 | Engineering a Live Attenuated Porcine Epidemic Diarrhea Virus Vaccine Candidate via Inactivation of the Viral 2'-O-Methyltransferase and the Endocytosis Signal of the Spike Protein. <i>Journal of Virology</i> , 2019, 93, . | 3.4 | 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. | 2.5 | 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. | 3.8 | 32 |
| 46 | Innate immune responses to human rotavirus in the neonatal gnotobiotic piglet disease model. <i>Immunology</i> , 2010, 131, 242-256. | 4.4 | 31 |
| 47 | Probiotics and colostrum/milk differentially affect neonatal humoral immune responses to oral rotavirus vaccine. <i>Vaccine</i> , 2013, 31, 1916-1923. | 3.8 | 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, . | 3.1 | 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. | 1.9 | 30 |
| 50 | Naturally Occurring Animal Coronaviruses as Models for Studying Highly Pathogenic Human Coronaviral Disease. <i>Veterinary Pathology</i> , 2021, 58, 438-452. | 1.7 | 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. | 2.8 | 28 |
| 52 | Skin Vaccination against Rotavirus Using Microneedles: Proof of Concept in Gnotobiotic Piglets. <i>PLoS ONE</i> , 2016, 11, e0166038. | 2.5 | 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. | 3.0 | 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. | 9.8 | 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. | 3.5 | 25 |
| 56 | Epidemiology of Deltacoronaviruses (β^1 -CoV) and Gammacoronaviruses (β^3 -CoV) in Wild Birds in the United States. <i>Viruses</i> , 2019, 11, 897. | 3.3 | 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. | 3.0 | 23 |
| 58 | Porcine Deltacoronaviruses: Origin, Evolution, Cross-Species Transmission and Zoonotic Potential. <i>Pathogens</i> , 2022, 11, 79. | 2.8 | 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. | 4.7 | 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. | 3.0 | 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. | 0.9 | 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. | 3.4 | 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. | 3.3 | 19 |
| 65 | Deltacoronavirus Evolution and Transmission: Current Scenario and Evolutionary Perspectives. <i>Frontiers in Veterinary Science</i> , 2020, 7, 626785. | 2.2 | 19 |
| 66 | 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 |
| 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. | 2.5 | 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. | 3.4 | 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. | 4.8 | 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, . | 2.9 | 14 |
| 72 | Mechanisms of Kwashiorkor-Associated Immune Suppression: Insights From Human, Mouse, and Pig Studies. <i>Frontiers in Immunology</i> , 2022, 13, 826268. | 4.8 | 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. | 1.2 | 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. | 2.8 | 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. | 3.3 | 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. | 3.5 | 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. | 3.3 | 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. | 3.9 | 5 |
| 80 | Isolation and characterization of full-length recombinant cattle PrPC protein. <i>Bulletin of Experimental Biology and Medicine</i> , 2006, 141, 62-65. | 0.8 | 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. | 3.4 | 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. | 4.4 | 3 |
| 83 | Mucosal Veterinary Vaccines. , 2015, , 1337-1361. | | 2 |
| 84 | Editorial: Porcine Anti-Viral Immunity. <i>Frontiers in Immunology</i> , 2020, 11, 399. | 4.8 | 0 |