

Lars Erik Larsen

List of Publications by Year in descending order

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113
papers

4,007
citations

136740

32
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143772

57
g-index

114
all docs

114
docs citations

114
times ranked

3804
citing authors

#	ARTICLE	IF	CITATIONS
1	Genomic analysis of PCV2 isolates from Danish archives and a current PMWS caseâ€“control study supports a shift in genotypes with time. <i>Veterinary Microbiology</i> , 2008, 128, 56-64.	0.8	245
2	PCVâ€“2 genotype definition and nomenclature. <i>Veterinary Record</i> , 2008, 162, 867-868.	0.2	226
3	The acute phase response of haptoglobin and serum amyloid A (SAA) in cattle undergoing experimental infection with bovine respiratory syncytial virus. <i>Veterinary Immunology and Immunopathology</i> , 2000, 77, 151-159.	0.5	184
4	Molecular Epidemiology and Evolution of Influenza Viruses Circulating within European Swine between 2009 and 2013. <i>Journal of Virology</i> , 2015, 89, 9920-9931.	1.5	148
5	The global antigenic diversity of swine influenza A viruses. <i>ELife</i> , 2016, 5, e12217.	2.8	146
6	Replication, Pathogenesis and Transmission of Pandemic (H1N1) 2009 Virus in Non-Immune Pigs. <i>PLoS ONE</i> , 2010, 5, e9068.	1.1	144
7	Respiratory disease in calves: Microbiological investigations on trans-tracheally aspirated bronchoalveolar fluid and acute phase protein response. <i>Veterinary Microbiology</i> , 2009, 137, 165-171.	0.8	133
8	European Surveillance Network for Influenza in Pigs: Surveillance Programs, Diagnostic Tools and Swine Influenza Virus Subtypes Identified in 14 European Countries from 2010 to 2013. <i>PLoS ONE</i> , 2014, 9, e115815.	1.1	107
9	Distribution of sialic acid receptors and influenza A virus of avian and swine origin in experimentally infected pigs. <i>Virology Journal</i> , 2011, 8, 434.	1.4	105
10	Diversity and zoonotic potential of rotaviruses in swine and cattle across Europe. <i>Veterinary Microbiology</i> , 2012, 156, 238-245.	0.8	103
11	Infection, excretion and seroconversion dynamics of porcine circovirus type 2 (PCV2) in pigs from post-weaning multisystemic wasting syndrome (PMWS) affected farms in Spain and Denmark. <i>Veterinary Microbiology</i> , 2009, 135, 272-282.	0.8	95
12	Replication and Clearance of Respiratory Syncytial Virus. <i>American Journal of Pathology</i> , 2002, 161, 2195-2207.	1.9	89
13	Influenza A(H10N7) Virus in Dead Harbor Seals, Denmark. <i>Emerging Infectious Diseases</i> , 2015, 21, 684-687.	2.0	72
14	Analysis of ORF5 and Full-Length Genome Sequences of Porcine Reproductive and Respiratory Syndrome Virus Isolates of Genotypes 1 and 2 Retrieved Worldwide Provides Evidence that Recombination Is a Common Phenomenon and May Produce Mosaic Isolates. <i>Journal of Virology</i> , 2014, 88, 3170-3181.	1.5	59
15	Effects of level of social contact on dairy calf behavior and health. <i>Journal of Dairy Science</i> , 2014, 97, 5035-5044.	1.4	57
16	Incidence, Diversity, and Molecular Epidemiology of Sapoviruses in Swine across Europe. <i>Journal of Clinical Microbiology</i> , 2010, 48, 363-368.	1.8	55
17	Porcine Circovirus Diseases: A review of PMWS. <i>Transboundary and Emerging Diseases</i> , 2012, 59, 60-67.	1.3	52
18	Hepatitis E Virus Variant in Farmed Mink, Denmark. <i>Emerging Infectious Diseases</i> , 2013, 19, 2028-2030.	2.0	52

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19	Different clinical, virological, serological and tissue tropism outcomes of two new and one old Belgian type 1 subtype 1 porcine reproductive and respiratory virus (PRRSV) isolates. <i>Veterinary Research</i> , 2015, 46, 37.	1.1	48
20	Wildlife Reservoirs of Canine Distemper Virus Resulted in a Major Outbreak in Danish Farmed Mink (<i>Neovison vison</i>). <i>PLoS ONE</i> , 2014, 9, e85598.	1.1	46
21	Hepatitis E virus is highly prevalent in the Danish pig population. <i>Veterinary Microbiology</i> , 2010, 146, 144-149.	0.8	44
22	Bovine respiratory syncytial virus ISCOMsâ€™ protection in the presence of maternal antibodies. <i>Vaccine</i> , 2004, 23, 646-655.	1.7	43
23	Inter-laboratory and inter-assay comparison on two real-time PCR techniques for quantification of PCV2 nucleic acid extracted from field samples. <i>Veterinary Microbiology</i> , 2009, 133, 172-178.	0.8	39
24	Endemic hepatitis E in two Nordic countries. <i>Eurosurveillance</i> , 2009, 14, .	3.9	39
25	Antibody dynamics in BRSV-infected Danish dairy herds as determined by isotype-specific immunoglobulins. <i>Veterinary Microbiology</i> , 2000, 76, 329-341.	0.8	38
26	Characterisation of a pestivirus isolated from persistently infected mousedeer (<i>Tragulus javanicus</i>). <i>Archives of Virology</i> , 2003, 148, 1455-1463.	0.9	38
27	Molecular Epidemiology of Bovine Coronavirus on the Basis of Comparative Analyses of the S Gene. <i>Journal of Clinical Microbiology</i> , 2006, 44, 957-960.	1.8	38
28	Influenza A (H1N1) infection in pigs. <i>Veterinary Record</i> , 2009, 164, 760-761.	0.2	38
29	Pathogenicity of three genetically diverse strains of PRRSV Type 1 in specific pathogen free pigs. <i>Veterinary Microbiology</i> , 2017, 209, 13-19.	0.8	38
30	Pig-major acute phase protein and haptoglobin serum concentrations correlate with PCV2 viremia and the clinical course of postweaning multisystemic wasting syndrome. <i>Veterinary Microbiology</i> , 2009, 138, 53-61.	0.8	37
31	Rapid detection and subtyping of European swine influenza viruses in porcine clinical samples by haemagglutininâ€™and neuraminidaseâ€™specific tetraâ€™and triplex realâ€™time <scp>RT</scp> â€™<scp>PCR</scp>s.1.5 <i>Influenza and Other Respiratory Viruses</i> , 2016, 10, 504-517.		37
32	Microbiological, pathological and histological findings in four Danish pig herds affected by a new neonatal diarrhoea syndrome. <i>BMC Veterinary Research</i> , 2013, 9, 206.	0.7	35
33	Persistent BVDV infection in mousedeer infects calves. <i>Preventive Veterinary Medicine</i> , 2005, 72, 87-91.	0.7	34
34	Tripleâ€™ reassortant influenza A virus with H3 of human seasonal origin, <scp>NA</scp> of swine origin, and internal A(H1N1) pandemic 2009 genes is established in Danish pigs. <i>Influenza and Other Respiratory Viruses</i> , 2017, 11, 298-303.	1.5	34
35	Pathogenicity and genomic changes of a 2016 European H5N8 highly pathogenic avian influenza virus (clade 2.3.4.4) in experimentally infected mallards and chickens. <i>Virology</i> , 2019, 537, 172-185.	1.1	33
36	A recombination between two Type 1 Porcine Reproductive and Respiratory Syndrome Virus (PRRSVâ€™1) vaccine strains has caused severe outbreaks in Danish pigs. <i>Transboundary and Emerging Diseases</i> , 2020, 67, 1786-1796.	1.3	33

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37	Genetic and biological characterisation of an avian-like H1N2 swine influenza virus generated by reassortment of circulating avian-like H1N1 and H3N2 subtypes in Denmark. <i>Virology Journal</i> , 2013, 10, 290.	1.4	32
38	Serological and genetic characterisation of bovine respiratory syncytial virus (BRSV) indicates that Danish isolates belong to the intermediate subgroup: no evidence of a selective effect on the variability of G protein nucleotide sequence by prior cell culture adaptation and passages in cell culture or calves. The GenBank accession numbers of the sequences reported in this paper are U92098 to U92114.1. <i>Veterinary Microbiology</i> , 1998, 62, 265-279.	0.8	31
39	Diagnosis of Enzootic Pneumonia in Danish Cattle: Reverse Transcription-Polymerase Chain Reaction Assay for Detection of Bovine Respiratory Syncytial Virus in Naturally and Experimentally Infected Cattle. <i>Journal of Veterinary Diagnostic Investigation</i> , 1999, 11, 416-422.	0.5	31
40	Genetic and antigenic characterization of complete genomes of Type 1 Porcine Reproductive and Respiratory Syndrome viruses (PRRSV) isolated in Denmark over a period of 10 years. <i>Virus Research</i> , 2013, 178, 197-205.	1.1	31
41	First Characterization of Avian Influenza Viruses from Greenland 2014. <i>Avian Diseases</i> , 2016, 60, 302-310.	0.4	30
42	Post-weaning diarrhea in pigs weaned without medicinal zinc: risk factors, pathogen dynamics, and association to growth rate. <i>Porcine Health Management</i> , 2021, 7, 54.	0.9	29
43	Increased pulmonary secretion of tumor necrosis factor- α in calves experimentally infected with bovine respiratory syncytial virus. <i>Veterinary Immunology and Immunopathology</i> , 2000, 76, 199-214.	0.5	28
44	Marked induction of IL-6, haptoglobin and IFN β following experimental BRSV infection in young calves. <i>Veterinary Immunology and Immunopathology</i> , 2005, 103, 235-245.	0.5	28
45	Spatiotemporal Analysis of the Genetic Diversity of Seal Influenza A(H10N7) Virus, Northwestern Europe. <i>Journal of Virology</i> , 2016, 90, 4269-4277.	1.5	28
46	Veterinary and medical aspects of abortion in Danish sheep. <i>Apmis</i> , 2006, 114, 146-152.	0.9	27
47	Vertical transmission of bovine viral diarrhoea virus (BVDV) in mousedeer (<i>Tragulus javanicus</i>) and spread to domestic cattle. <i>Archives of Virology</i> , 2006, 151, 2377-2387.	0.9	27
48	Transmission of different variants of PCV2 and viral dynamics in a research facility with pigs mingled from PMWS-affected herds and non-affected herds. <i>Veterinary Microbiology</i> , 2009, 139, 219-226.	0.8	27
49	A fast and robust method for full genome sequencing of Porcine Reproductive and Respiratory Syndrome Virus (PRRSV) Type 1 and Type 2. <i>Journal of Virological Methods</i> , 2013, 193, 697-705.	1.0	27
50	Enteric porcine viruses in farmed shellfish in Denmark. <i>International Journal of Food Microbiology</i> , 2014, 186, 105-109.	2.1	27
51	Longitudinal field studies reveal early infection and persistence of influenza A virus in piglets despite the presence of maternally derived antibodies. <i>Veterinary Research</i> , 2019, 50, 36.	1.1	27
52	Tracing Hepatitis E Virus in Pigs From Birth to Slaughter. <i>Frontiers in Veterinary Science</i> , 2019, 6, 50.	0.9	27
53	An experimental infection model for reproduction of calf pneumonia with bovine respiratory syncytial virus (BRSV) based on one combined exposure of calves. <i>Research in Veterinary Science</i> , 2003, 74, 55-65.	0.9	26
54	Suspected zoonotic transmission of rotavirus group A in Danish adults. <i>Epidemiology and Infection</i> , 2012, 140, 1013-1017.	1.0	26

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55	Late regulation of immune genes and microRNAs in circulating leukocytes in a pig model of influenza A (H1N2) infection. <i>Scientific Reports</i> , 2016, 6, 21812.	1.6	25
56	Development of a high-throughput real-time PCR system for detection of enzootic pathogens in pigs. <i>Journal of Veterinary Diagnostic Investigation</i> , 2020, 32, 51-64.	0.5	25
57	Investigation of the association of growth rate in grower-finishing pigs with the quantification of <i>Lawsonia intracellularis</i> and porcine circovirus type 2. <i>Preventive Veterinary Medicine</i> , 2013, 108, 63-72.	0.7	24
58	IFN- β and microRNAs are important modulators of the pulmonary innate immune response against influenza A (H1N2) infection in pigs. <i>PLoS ONE</i> , 2018, 13, e0194765.	1.1	24
59	Acute Influenza A virus outbreak in an enzootic infected sow herd: Impact on viral dynamics, genetic and antigenic variability and effect of maternally derived antibodies and vaccination. <i>PLoS ONE</i> , 2019, 14, e0224854.	1.1	24
60	Substantial Antigenic Drift in the Hemagglutinin Protein of Swine Influenza A Viruses. <i>Viruses</i> , 2020, 12, 248.	1.5	23
61	The Non-structural Protein 5 and Matrix Protein Are Antigenic Targets of T Cell Immunity to Genotype 1 Porcine Reproductive and Respiratory Syndrome Viruses. <i>Frontiers in Immunology</i> , 2016, 7, 40.	2.2	22
62	Diarrhoea in neonatal piglets: a case control study on microbiological findings. <i>Porcine Health Management</i> , 2018, 4, 17.	0.9	22
63	Phylogenetic characterisation of the GL sequences of equine arteritis virus isolated from semen of asymptomatic stallions and fatal cases of equine viral arteritis in Denmark. <i>Veterinary Microbiology</i> , 2001, 80, 339-346.	0.8	21
64	Genetic dissection of complete genomes of Type 2 PRRS viruses isolated in Denmark over a period of 15 years. <i>Veterinary Microbiology</i> , 2013, 167, 334-344.	0.8	21
65	Identification of cross-reacting T-cell epitopes in structural and non-structural proteins of swine and pandemic H1N1 influenza A virus strains in pigs. <i>Journal of General Virology</i> , 2017, 98, 895-899.	1.3	21
66	Evaluation of a single-tube fluorogenic RT-PCR assay for detection of bovine respiratory syncytial virus in clinical samples. <i>Journal of Virological Methods</i> , 2005, 123, 195-202.	1.0	18
67	Selection of method is crucial for the diagnosis of porcine circovirus type 2 associated reproductive failures. <i>Veterinary Microbiology</i> , 2010, 144, 203-209.	0.8	18
68	Identification of swine influenza virus epitopes and analysis of multiple specificities expressed by cytotoxic T cell subsets. <i>Virology Journal</i> , 2014, 11, 163.	1.4	18
69	Animal Models for Influenza A Virus Infection Incorporating the Involvement of Innate Host Defenses: Enhanced Translational Value of the Porcine Model. <i>ILAR Journal</i> , 2018, 59, 323-337.	1.8	18
70	Age-dependent differences in cytokine and antibody responses after experimental RSV infection in a bovine model. <i>Vaccine</i> , 2005, 23, 3412-3423.	1.7	17
71	Detection of myxoma viruses encoding a defective M135R gene from clinical cases of myxomatosis; possible implications for the role of the M135R protein as a virulence factor. <i>Virology Journal</i> , 2010, 7, 7.	1.4	17
72	Limited impact of influenza A virus vaccination of piglets in an enzootic infected sow herd. <i>Research in Veterinary Science</i> , 2019, 127, 47-56.	0.9	17

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73	Novel Clade 2.3.4.4b Highly Pathogenic Avian Influenza A H5N8 and H5N5 Viruses in Denmark, 2020. <i>Viruses</i> , 2021, 13, 886.	1.5	17
74	Association between average daily gain, faecal dry matter content and concentration of <i>Lawsonia intracellularis</i> in faeces. <i>Acta Veterinaria Scandinavica</i> , 2012, 54, 58.	0.5	16
75	Leaching of viruses and other microorganisms naturally occurring in pig slurry to tile drains on a well-structured loamy field in Denmark. <i>Hydrogeology Journal</i> , 2017, 25, 1045-1062.	0.9	16
76	Co-circulation of multiple influenza A reassortants in swine harboring genes from seasonal human and swine influenza viruses. <i>ELife</i> , 2021, 10, .	2.8	16
77	Surveillance for Avian Influenza Viruses in Wild Birds in Denmark and Greenland, 2007–10. <i>Avian Diseases</i> , 2012, 56, 992-998.	0.4	15
78	Genetic and biological characterization of a Porcine Reproductive and Respiratory Syndrome Virus 2 (PRRSV-2) causing significant clinical disease in the field. <i>Veterinary Microbiology</i> , 2017, 211, 74-83.	0.8	15
79	Subtyping of Swine Influenza Viruses Using a High-Throughput Real-Time PCR Platform. <i>Frontiers in Cellular and Infection Microbiology</i> , 2018, 8, 165.	1.8	15
80	Objective pathogen monitoring in nursery and finisher pigs by monthly laboratory diagnostic testing. <i>Porcine Health Management</i> , 2020, 6, 23.	0.9	15
81	Induction of porcine post-weaning multisystemic wasting syndrome (PMWS) in pigs from PMWS unaffected herds following mingling with pigs from PMWS-affected herds. <i>Veterinary Microbiology</i> , 2009, 138, 244-250.	0.8	14
82	Infectious risk factors for individual postweaning multisystemic wasting syndrome (PMWS) development in pigs from affected farms in Spain and Denmark. <i>Research in Veterinary Science</i> , 2012, 93, 1231-1240.	0.9	13
83	Influenza A Virus with a Human-Like N2 Gene Is Circulating in Pigs. <i>Genome Announcements</i> , 2013, 1, .	0.8	13
84	A Triple Amino Acid Substitution at Position 88/94/95 in Glycoprotein GP2a of Type 1 Porcine Reproductive and Respiratory Syndrome Virus (PRRSV1) Is Responsible for Adaptation to MARC-145 Cells. <i>Viruses</i> , 2019, 11, 36.	1.5	12
85	Molecular Characterization of Highly Pathogenic Avian Influenza Viruses H5N6 Detected in Denmark in 2018–2019. <i>Viruses</i> , 2021, 13, 1052.	1.5	12
86	Evaluation of ELISA and haemagglutination inhibition as screening tests in serosurveillance for H5/H7 avian influenza in commercial chicken flocks. <i>Epidemiology and Infection</i> , 2018, 146, 306-313.	1.0	11
87	Design of a High-Throughput Real-Time PCR System for Detection of Bovine Respiratory and Enteric Pathogens. <i>Frontiers in Veterinary Science</i> , 2021, 8, 677993.	0.9	11
88	Diagnostic performance of fecal quantitative real-time polymerase chain reaction for detection of <i>Lawsonia intracellularis</i> associated proliferative enteropathy in nursery pigs. <i>Journal of Veterinary Diagnostic Investigation</i> , 2013, 25, 336-340.	0.5	10
89	Prediction and in vitro verification of potential CTL epitopes conserved among PRRSV-2 strains. <i>Immunogenetics</i> , 2017, 69, 689-702.	1.2	10
90	Spatial analysis and temporal trends of porcine reproductive and respiratory syndrome in Denmark from 2007 to 2010 based on laboratory submission data. <i>BMC Veterinary Research</i> , 2015, 11, 303.	0.7	9

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91	Infection Dynamics of Swine Influenza Virus in a Danish Pig Herd Reveals Recurrent Infections with Different Variants of the H1N2 Swine Influenza A Virus Subtype. <i>Viruses</i> , 2020, 12, 1013.	1.5	9
92	Molecular epidemiology of Porcine Parvovirus Type 1 (PPV1) and the reactivity of vaccine-induced antisera against historical and current PPV1 strains. <i>Virus Evolution</i> , 2022, 8, .	2.2	9
93	A fast and robust method for whole genome sequencing of the Aleutian Mink Disease Virus (AMDV) genome. <i>Journal of Virological Methods</i> , 2016, 234, 43-51.	1.0	8
94	Estimating Clinically Relevant Cut-Off Values for a High-Throughput Quantitative Real-Time PCR Detecting Bacterial Respiratory Pathogens in Cattle. <i>Frontiers in Veterinary Science</i> , 2021, 8, 674771.	0.9	8
95	Landscape effects and spatial patterns of avian influenza virus in Danish wild birds, 2006–2020. <i>Transboundary and Emerging Diseases</i> , 2022, 69, 706-719.	1.3	8
96	Zoonotic and reverse zoonotic transmission of viruses between humans and pigs. <i>Apmis</i> , 2021, 129, 675-693.	0.9	8
97	Evolutionary analysis of whole-genome sequences confirms inter-farm transmission of Aleutian mink disease virus. <i>Journal of General Virology</i> , 2017, 98, 1360-1371.	1.3	8
98	Immunity raised by recent European subtype 1 PRRSV strains allows better replication of East European subtype 3 PRRSV strain Lena than that raised by an older strain. <i>Veterinary Research</i> , 2016, 47, 15.	1.1	7
99	Circulation of bovine respiratory syncytial virus in Brazil. <i>Veterinary Record</i> , 2006, 158, 632-634.	0.2	6
100	New reassortant and enzootic European swine influenza viruses transmit efficiently through direct contact in the ferret model. <i>Journal of General Virology</i> , 2015, 96, 1603-1612.	1.3	6
101	Comparison of serum pools and oral fluid samples for detection of porcine circovirus type 2 by quantitative real-time PCR in finisher pigs. <i>Porcine Health Management</i> , 2018, 4, 2.	0.9	6
102	Innate antiviral responses in porcine nasal mucosal explants inoculated with influenza A virus are comparable with responses in respiratory tissues after viral infection. <i>Immunobiology</i> , 2022, 227, 152192.	0.8	6
103	Characterization of Influenza D Virus in Danish Calves. <i>Viruses</i> , 2022, 14, 423.	1.5	5
104	A two-year follow-up study of the PCV2 status of a Danish pig herd that was initially assumed to be PCV2-free. <i>Porcine Health Management</i> , 2015, 1, 5.	0.9	4
105	Challenge of Naïve and Vaccinated Pigs with a Vaccine-Derived Recombinant Porcine Reproductive and Respiratory Syndrome Virus 1 Strain (Horsens Strain). <i>Vaccines</i> , 2021, 9, 417.	2.1	4
106	Impacts of Quarterly Sow Mass Vaccination with a Porcine Reproductive and Respiratory Syndrome Virus Type 1 (PRRSV-1) Modified Live Vaccine in Two Herds. <i>Vaccines</i> , 2021, 9, 1057.	2.1	4
107	Detection of Porcine Circovirus Type 2 and Viral Replication by In Situ Hybridization in Primary Lymphoid Organs From Naturally and Experimentally Infected Pigs. <i>Veterinary Pathology</i> , 2013, 50, 980-988.	0.8	3
108	Assessment of the Impact of the Recombinant Porcine Reproductive and Respiratory Syndrome Virus Horsens Strain on the Reproductive Performance in Pregnant Sows. <i>Pathogens</i> , 2020, 9, 772.	1.2	3

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109	The role of gilts in transmission dynamics of swine influenza virus and impacts of vaccination strategies and quarantine management. <i>Porcine Health Management</i> , 2022, 8, 19.	0.9	3
110	Within-day repeatability for absolute quantification of <i>Lawsonia intracellularis</i> bacteria in feces from growing pigs. <i>Journal of Veterinary Diagnostic Investigation</i> , 2012, 24, 968-970.	0.5	1
111	Reduced Virus Load in Lungs of Pigs Challenged with Porcine Reproductive and Respiratory Syndrome Virus after Vaccination with Virus Replicon Particles Encoding Conserved PRRSV Cytotoxic T-Cell Epitopes. <i>Vaccines</i> , 2021, 9, 208.	2.1	1
112	Virological and Histopathological Findings in Boars Naturally Infected With Porcine Reproductive and Respiratory Syndrome Virus Type 1. <i>Frontiers in Microbiology</i> , 2022, 13, .	1.5	1
113	Investigation of the presence of human or bovine respiratory syncytial virus in the lungs of mink (<i>Neovison vison</i>) with hemorrhagic pneumonia due to <i>Pseudomonas aeruginosa</i> . <i>Acta Veterinaria Scandinavica</i> , 2012, 54, 70.	0.5	0