

Niels Lorenzen

List of Publications by Year in descending order

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60
papers

2,628
citations

201674

27
h-index

182427

51
g-index

60
all docs

60
docs citations

60
times ranked

1218
citing authors

#	ARTICLE	IF	CITATIONS
1	Evolution of the fish rhabdovirus viral haemorrhagic septicaemia virus. <i>Journal of General Virology</i> , 2004, 85, 1167-1179.	2.9	244
2	Isolation of viral haemorrhagic septicaemia virus (VHSV) from wild marine fish species in the Baltic Sea, Kattegat, Skagerrak and the North Sea. <i>Virus Research</i> , 1999, 63, 95-106.	2.2	161
3	Monoclonal antibodies to salmonid immunoglobulin: Characterization and applicability in immunoassays. <i>Developmental and Comparative Immunology</i> , 1990, 14, 415-423.	2.3	149
4	Immunity induced shortly after DNA vaccination of rainbow trout against rhabdoviruses protects against heterologous virus but not against bacterial pathogens. <i>Developmental and Comparative Immunology</i> , 2002, 26, 173-179.	2.3	135
5	Protection of rainbow trout against infectious hematopoietic necrosis virus four days after specific or semi-specific DNA vaccination. <i>Vaccine</i> , 2001, 19, 4011-4019.	3.8	120
6	Development of DNA vaccines for fish: vector design, intramuscular injection and antigen expression using viral haemorrhagic septicaemia virus genes as model. <i>Fish and Shellfish Immunology</i> , 1998, 8, 271-286.	3.6	119
7	Cell-mediated immune responses in rainbow trout after DNA immunization against the viral hemorrhagic septicemia virus. <i>Developmental and Comparative Immunology</i> , 2008, 32, 239-252.	2.3	114
8	Cell-mediated cytotoxicity in rainbow trout, <i>Oncorhynchus mykiss</i> , infected with viral haemorrhagic septicaemia virus. <i>Fish and Shellfish Immunology</i> , 2007, 22, 182-196.	3.6	108
9	Immunity to rhabdoviruses in rainbow trout: the antibody response. <i>Fish and Shellfish Immunology</i> , 1999, 9, 345-360.	3.6	107
10	DNA Vaccination of Rainbow Trout against Viral Hemorrhagic Septicemia Virus: A Dose-Response and Time-Course Study. <i>Journal of Aquatic Animal Health</i> , 2000, 12, 167-180.	1.4	80
11	A DNA vaccine directed against a rainbow trout rhabdovirus induces early protection against a nodavirus challenge in turbot. <i>Vaccine</i> , 2003, 21, 4661-4667.	3.8	77
12	Immunity to VHS virus in rainbow trout. <i>Aquaculture</i> , 1999, 172, 41-61.	3.5	68
13	Parallel phylogenetic analyses using the N, G or Nv gene from a fixed group of VHSV isolates reveal the same overall genetic typing. <i>Diseases of Aquatic Organisms</i> , 2005, 67, 39-45.	1.0	61
14	Immunity to viral haemorrhagic septicaemia (VHS) following DNA vaccination of rainbow trout at an early life-stage. <i>Fish and Shellfish Immunology</i> , 2001, 11, 585-591.	3.6	51
15	DNA vaccination for finfish aquaculture. <i>Fish and Shellfish Immunology</i> , 2019, 85, 106-125.	3.6	51
16	Dual DNA vaccination of rainbow trout (<i>Oncorhynchus mykiss</i>) against two different rhabdoviruses, VHSV and IHNV, induces specific divalent protection. <i>Vaccine</i> , 2009, 27, 1248-1253.	3.8	50
17	Infectious Hematopoietic Necrosis (IHN) and Viral Hemorrhagic Septicemia (VHS): Detection of Trout Antibodies to the Causative Viruses by Means of Plaque Neutralization, Immunofluorescence, and Enzyme-Linked Immunosorbent Assay. <i>Journal of Aquatic Animal Health</i> , 1991, 3, 100-108.	1.4	49
18	Antibody response to VHS virus proteins in rainbow trout. <i>Fish and Shellfish Immunology</i> , 1993, 3, 461-473.	3.6	49

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19	Time course study of in situ expression of antigens following DNA-vaccination against VHS in rainbow trout (<i>Oncorhynchus mykiss</i> Walbaum) fry. <i>Fish and Shellfish Immunology</i> , 2005, 19, 27-41.	3.6	47
20	DNA vaccination against a fish rhabdovirus promotes an early chemokine-related recruitment of B cells to the muscle. <i>Vaccine</i> , 2014, 32, 1160-1168.	3.8	47
21	Two Virus-Induced MicroRNAs Known Only from Teleost Fishes Are Orthologues of MicroRNAs Involved in Cell Cycle Control in Humans. <i>PLoS ONE</i> , 2015, 10, e0132434.	2.5	44
22	Genotyping of the fish rhabdovirus, viral haemorrhagic septicaemia virus, by restriction fragment length polymorphisms. <i>Veterinary Microbiology</i> , 2005, 106, 167-178.	1.9	42
23	High virulence differences among phylogenetically distinct isolates of the fish rhabdovirus viral hemorrhagic septicaemia virus are not explained by variability of the surface glycoprotein G or the non-virion protein Nv. <i>Journal of General Virology</i> , 2014, 95, 307-316.	2.9	38
24	Intramuscular DNA Vaccination of Juvenile Carp against Spring Viremia of Carp Virus Induces Full Protection and Establishes a Virus-Specific B and T Cell Response. <i>Frontiers in Immunology</i> , 2017, 8, 1340.	4.8	38
25	Characterization of Intramolecular Disulfide Bonds and Secondary Modifications of the Glycoprotein from Viral Hemorrhagic Septicemia Virus, a Fish Rhabdovirus. <i>Journal of Virology</i> , 1998, 72, 10189-10196.	3.4	36
26	Effects of viral hemorrhagic septicemia virus (VHSV) on the rainbow trout (<i>Oncorhynchus mykiss</i>) monocyte cell line RTS-11. <i>Molecular Immunology</i> , 2008, 45, 1439-1448.	2.2	35
27	Involvement of two microRNAs in the early immune response to DNA vaccination against a fish rhabdovirus. <i>Vaccine</i> , 2015, 33, 3215-3222.	3.8	34
28	Immunoprophylaxis in fish by injection of mouse antibody genes. <i>Nature Biotechnology</i> , 2000, 18, 1177-1180.	17.5	29
29	Antiviral activity of small interfering RNAs: Specificity testing using heterologous virus reveals interferon-related effects overlooked by conventional mismatch controls. <i>Virology</i> , 2006, 349, 134-141.	2.4	28
30	Approaches towards DNA Vaccination against a Skin Ciliate Parasite in Fish. <i>PLoS ONE</i> , 2012, 7, e48129.	2.5	25
31	A High Throughput In Vivo Model for Testing Delivery and Antiviral Effects of siRNAs in Vertebrates. <i>Molecular Therapy</i> , 2007, 15, 1366-1372.	8.2	24
32	<i>Pichia pastoris</i> yeast as a vehicle for oral vaccination of larval and adult teleosts. <i>Fish and Shellfish Immunology</i> , 2019, 85, 52-60.	3.6	24
33	A pentavalent vaccine for rainbow trout in Danish aquaculture. <i>Fish and Shellfish Immunology</i> , 2019, 88, 344-351.	3.6	24
34	Rainbow trout offspring with different resistance to viral haemorrhagic septicaemia. <i>Fish and Shellfish Immunology</i> , 2001, 11, 155-167.	3.6	23
35	Virulence marker candidates in N-protein of viral haemorrhagic septicaemia virus (VHSV): virulence variability within VHSV Ib clones. <i>Diseases of Aquatic Organisms</i> , 2018, 128, 51-62.	1.0	23
36	Rainbow trout surviving infections of viral haemorrhagic septicemia virus (VHSV) show lasting antibodies to recombinant G protein fragments. <i>Fish and Shellfish Immunology</i> , 2011, 30, 929-935.	3.6	22

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37	Genetic and serological typing of European infectious haematopoietic necrosis virus (IHNV) isolates. <i>Diseases of Aquatic Organisms</i> , 2009, 86, 213-221.	1.0	21
38	Typing of viral hemorrhagic septicemia virus by monoclonal antibodies. <i>Journal of General Virology</i> , 2012, 93, 2546-2557.	2.9	21
39	Inter-species transmission of viral hemorrhagic septicemia virus (VHSV) from turbot (<i>Scophthalmus</i>) Tj ETQq1 1 0.784314 rgBT /Over	2.9	21
40	Species specific inhibition of viral replication using dicer substrate siRNAs (DsiRNAs) targeting the viral nucleoprotein of the fish pathogenic rhabdovirus viral hemorrhagic septicemia virus (VHSV). <i>Antiviral Research</i> , 2011, 90, 187-194.	4.1	19
41	Determining Vaccination Frequency in Farmed Rainbow Trout Using <i>Vibrio anguillarum</i> O1 Specific Serum Antibody Measurements. <i>PLoS ONE</i> , 2012, 7, e49672.	2.5	18
42	Ultra-deep sequencing of VHSV isolates contributes to understanding the role of viral quasispecies. <i>Veterinary Research</i> , 2016, 47, 10.	3.0	17
43	Ichthyotoxicity of the microalga <i>Pseudochattonella farcimen</i> under laboratory and field conditions in Danish waters. <i>Diseases of Aquatic Organisms</i> , 2015, 116, 165-172.	1.0	17
44	Genetic alloforms of rainbow trout (<i>Oncorhynchus mykiss</i>) complement component C3 and resistance to viral haemorrhagic septicaemia under experimental conditions. <i>Fish and Shellfish Immunology</i> , 1996, 6, 235-237.	3.6	16
45	Monoclonal-Antibody-Based Immunodot Assay Distinguishes between Viral Hemorrhagic Septicemia Virus (VHSV) and Infectious Hematopoietic Necrosis Virus (IHNV). <i>Journal of Aquatic Animal Health</i> , 1991, 3, 176-180.	1.4	14
46	In vivo screening of modified siRNAs for non-specific antiviral effect in a small fish model: number and localization in the strands are important. <i>Nucleic Acids Research</i> , 2012, 40, 4653-4665.	14.5	14
47	Production of Neutralizing Antisera against Viral Hemorrhagic Septicemia (VHS) Virus by Intravenous Injections of Rabbits. <i>Journal of Aquatic Animal Health</i> , 1999, 11, 10-16.	1.4	11
48	Nervous Necrosis Virus-like Particle (VLP) Vaccine Stimulates European Sea Bass Innate and Adaptive Immune Responses and Induces Long-Term Protection against Disease. <i>Pathogens</i> , 2021, 10, 1477.	2.8	10
49	Recombinant vaccines: experimental and applied aspects. <i>Fish and Shellfish Immunology</i> , 1999, 9, 361-365.	3.6	9
50	Can VHS Virus Bypass the Protective Immunity Induced by DNA Vaccination in Rainbow Trout?. <i>PLoS ONE</i> , 2016, 11, e0153306.	2.5	8
51	Affinity purification of the structural proteins of a fish Rhabdovirus by the use of monoclonal antibodies. <i>Journal of Virological Methods</i> , 1992, 38, 297-303.	2.1	7
52	Neutralisation and binding of VHS virus by monovalent antibody fragments. <i>Virus Research</i> , 2001, 81, 47-56.	2.2	6
53	Zebrafish (<i>Danio rerio</i>) larvae as a model for real-time studies of propagating VHS virus infection, tissue tropism and neutrophil activity. <i>Journal of Fish Diseases</i> , 2021, 44, 563-571.	1.9	6
54	Time-course study of the protection induced by an interferon-inducible DNA vaccine against viral haemorrhagic septicaemia in rainbow trout. <i>Fish and Shellfish Immunology</i> , 2019, 85, 99-105.	3.6	5

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55	Sublethal concentrations of ichthyotoxic alga <i>Prymnesium parvum</i> affect rainbow trout susceptibility to viral haemorrhagic septicaemia virus. <i>Diseases of Aquatic Organisms</i> , 2016, 117, 187-195.	1.0	4
56	Influence of Temperature on the Efficacy of Homologous and Heterologous DNA Vaccines against Viral Hemorrhagic Septicemia in Pacific Herring. <i>Journal of Aquatic Animal Health</i> , 2017, 29, 121-128.	1.4	4
57	Gill Transcriptomic Responses to Toxin-producing Alga <i>Prymnesium parvum</i> in Rainbow Trout. <i>Frontiers in Immunology</i> , 2021, 12, 794593.	4.8	2
58	A DNA Vaccine Against Infectious Hematopoietic Necrosis Virus. <i>Fisheries Science</i> , 2002, 68, 1151-1156.	1.6	1
59	DNA Vaccines against Viral Diseases: Basic Immunological Aspects and Applied Perspective. <i>Fish Pathology</i> , 2009, 44, 16-18.	0.7	1
60	Analysis of the Expression and Modulation of Selected immunerelated Gene Transcripts in the DLEC Cell Line from European Sea Bass (<i>Dicentrarchus labrax</i> L.). <i>Journal of Aquaculture Research & Development</i> , 2011, 02, .	0.4	0