Erling Olaf Koppang

List of Publications by Year
in descending order

59 papers	2,330 citations	186265 28 h-index	223800 46 g-index
61 all docs	61 docs citations	61 times ranked	1797 citing authors

#	Article	IF	Citations
1	Salmonid T cells assemble in the thymus, spleen and in novel interbranchial lymphoid tissue. Journal of Anatomy, 2010, 217, 728-739.	1.5	166
2	Identification and characterization of a novel intraepithelial lymphoid tissue in the gills of Atlantic salmon. Journal of Anatomy, 2008, 213, 202-209.	1.5	162
3	Teleost T and NK cell immunity. Fish and Shellfish Immunology, 2013, 35, 197-206.	3.6	132
4	Vaccination-Induced Systemic Autoimmunity in Farmed Atlantic Salmon. Journal of Immunology, 2008, 181, 4807-4814.	0.8	116
5	Antigen-sampling cells in the salmonid intestinal epithelium. Developmental and Comparative Immunology, 2010, 34, 768-774.	2.3	109
6	Constitutive high expression of interleukin-4/13A and GATA-3 in gill and skin of salmonid fishes suggests that these tissues form Th2-skewed immune environments. Molecular Immunology, 2011, 48, 1360-1368.	2.2	109
7	Anatomy of teleost fish immune structures and organs. Immunogenetics, 2021, 73, 53-63.	2.4	87
8	Intestinal morphology of the wild atlantic salmon (<i>Salmo salar</i>). Journal of Morphology, 2013, 274, 859-876.	1.2	80
9	Expression of the Infectious Salmon Anemia Virus Receptor on Atlantic Salmon Endothelial Cells Correlates with the Cell Tropism of the Virus. Journal of Virology, 2012, 86, 10571-10578.	3.4	78
10	Fish mucosal immunity: gill. , 2015, , 93-133.		73
11	Manifestations of systemic autoimmunity in vaccinated salmon. Vaccine, 2010, 28, 4961-4969.	3.8	63
12	Antiviral functions of CD8+ cytotoxic T cells in teleost fish. Developmental and Comparative Immunology, 2014, 43, 197-204.	2.3	60
13	Substitution of dietary fish oil with plant oils is associated with shortened mid intestinal folds in Atlantic salmon (Salmo salar). BMC Veterinary Research, 2014, 10, 60.	1.9	52
14	Antigen sampling in the fish intestine. Developmental and Comparative Immunology, 2016, 64, 138-149.	2.3	51
15	Melanogenesis and evidence for melanosome transport to the plasma membrane in a CD83+ teleost leukocyte cell line. Pigment Cell & Melanoma Research, 2006, 19, 214-225.	3.6	50
16	From Chronic Feed-Induced Intestinal Inflammation to Adenocarcinoma with Metastases in Salmonid Fish. Cancer Research, 2009, 69, 4355-4362.	0.9	48
17	Soft Texture of Atlantic Salmon Fillets Is Associated with Glycogen Accumulation. PLoS ONE, 2014, 9, e85551.	2.5	44
18	Transcriptional Characterization of the T Cell Population within the Salmonid Interbranchial Lymphoid Tissue. Journal of Immunology, 2014, 193, 3463-3469.	0.8	44

#	Article	IF	Citations
19	Transcriptional response of immune genes in gills and the interbranchial lymphoid tissue of Atlantic salmon challenged with infectious salmon anaemia virus. Developmental and Comparative Immunology, 2014, 45, 107-114.	2.3	43
20	Vaccination with outer membrane vesicles from Francisella noatunensis reduces development of francisellosis in a zebrafish model. Fish and Shellfish Immunology, 2015, 42, 50-57.	3.6	43
21	Pigment-producing granulomatous myopathy in Atlantic salmon: A novel inflammatory response. Fish and Shellfish Immunology, 2012, 33, 277-285.	3.6	41
22	Piscine orthoreovirus (PRV) in red and melanised foci in white muscle of Atlantic salmon (Salmo) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6	3.0	40
23	A teleost structural analogue to the avian bursa of Fabricius. Journal of Anatomy, 2020, 236, 798-808.	1.5	39
24	Adverse and long-term protective effects following oil-adjuvanted vaccination against Aeromonas salmonicida in rainbow trout. Fish and Shellfish Immunology, 2015, 42, 193-203.	3.6	35
25	Lymphoid Tissue in Teleost Gills: Variations on a Theme. Biology, 2020, 9, 127.	2.8	35
26	Anatomy, immunology, digestive physiology and microbiota of the salmonid intestine: Knowns and unknowns under the impact of an expanding industrialized production. Fish and Shellfish Immunology, 2020, 107, 172-186.	3.6	32
27	Infectious salmon anaemia virus infection of Atlantic salmon gill epithelial cells. Virology Journal, 2013, 10, 5.	3.4	30
28	Translocation of nanoparticles and Mycobacterium marinum across the intestinal epithelium in zebrafish and the role of the mucosal immune system. Developmental and Comparative Immunology, 2017, 67, 508-518.	2.3	30
29	Immune parameters in the intestine of wild and reared unvaccinated and vaccinated Atlantic salmon (Salmo salar L.). Developmental and Comparative Immunology, 2014, 47, 6-16.	2.3	29
30	Isolation of the Atlantic salmon tyrosinase gene family reveals heterogenous transcripts in a leukocyte cell line. Pigment Cell & Melanoma Research, 2006, 19, 327-336.	3.6	28
31	Characterisation of a monoclonal antibody detecting <scp>A</scp>tlantic salmon endothelial and red blood cells, and its association with the infectious salmon anaemia virus cell receptor. Journal of Anatomy, 2013, 222, 547-557.	1.5	26
32	Melanized focal changes in skeletal muscle in farmed Atlantic salmon after natural infection with <i>Piscine orthoreovirus </i>(PRV). Journal of Fish Diseases, 2019, 42, 935-945.	1.9	26
33	The interbranchial lymphoid tissue of <scp>A</scp>tlantic <scp>S</scp>almon (<scp><i>S</i></scp><i>almo salar</i><scp>L</scp>) extends as a diffuse mucosal lymphoid tissue throughout the trailing edge of the gill filament. Journal of Morphology, 2015, 276, 1075-1088.	1.2	23
34	Global 3D Imaging of Yersinia ruckeri Bacterin Uptake in Rainbow Trout Fry. PLoS ONE, 2015, 10, e0117263.	2.5	22
35	The interbranchial lymphoid tissue likely contributes to immune tolerance and defense in the gills of Atlantic salmon. Developmental and Comparative Immunology, 2017, 76, 247-254.	2.3	21
36	Morphological and functional development of the interbranchial lymphoid tissue (ILT) in Atlantic salmon (Salmo salar L). Fish and Shellfish Immunology, 2016, 58, 153-164.	3.6	18

#	Article	IF	Citations
37	Passive Immunization of Farmed Fish. Journal of Immunology, 2017, 198, 4195-4202.	0.8	18
38	Erythroid Progenitor Cells in Atlantic Salmon (Salmo salar) May Be Persistently and Productively Infected with Piscine Orthoreovirus (PRV). Viruses, 2019, 11, 824.	3.3	18
39	Immune protection is dependent on the gut microbiome in a lethal mouse gammaherpesviral infection. Scientific Reports, 2020, 10, 2371.	3.3	18
40	High-Resolution, 3D Imaging of the Zebrafish Gill-Associated Lymphoid Tissue (GIALT) Reveals a Novel Lymphoid Structure, the Amphibranchial Lymphoid Tissue. Frontiers in Immunology, 2021, 12, 769901.	4.8	18
41	Uptake of yeast cells in the Atlantic salmon (Salmo salar L.) intestine. Developmental and Comparative Immunology, 2014, 47, 77-80.	2.3	17
42	Dietary Deoxynivalenol (DON) May Impair the Epithelial Barrier and Modulate the Cytokine Signaling in the Intestine of Atlantic Salmon (Salmo salar). Toxins, 2018, 10, 376.	3.4	16
43	PRV-1 Infected Macrophages in Melanized Focal Changes in White Muscle of Atlantic Salmon (Salmo) Tj ETQq1 1 0.784314 rgBT /Overlo	4.8	16
44	Visualization of CCL19-like transcripts in the ILT, thymus and head kidney of Atlantic salmon (Salmo) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	3.6	15
45	Dissemination of Piscine orthoreovirus-1 (PRV-1) in Atlantic Salmon (Salmo salar) during the Early and Regenerating Phases of Infection. Pathogens, 2020, 9, 143.	2.8	12
46	Alternatives to mineral oil adjuvants in vaccines against Aeromonas salmonicida subsp. salmonicida in rainbow trout offer reductions in adverse effects. Scientific Reports, 2017, 7, 5930.	3.3	11
47	IgM+ and IgT+ B Cell Traffic to the Heart during SAV Infection in Atlantic Salmon. Vaccines, 2020, 8, 493.	4.4	11
48	Tumor microenvironment and stroma in intestinal adenocarcinomas and associated metastases in Atlantic salmon broodfish (Salmo salar). Veterinary Immunology and Immunopathology, 2019, 214, 109891.	1.2	10
49	Immunopathological characterization of red focal changes in Atlantic salmon (Salmo salar) white muscle. Veterinary Immunology and Immunopathology, 2020, 222, 110035.	1.2	10
50	Transcription of the tyrosinase gene family in an Atlantic salmon leukocyte cell line (SHK-1) is influenced by temperature, but not by virus infection or bacterin stimulation. Developmental and Comparative Immunology, 2013, 41, 50-58.	2.3	8
51	Vertebral column deformity with curved crossâ€stitch vertebrae in Norwegian seawaterâ€farmed Atlantic salmon, <i>Salmo salar</i> L.. Journal of Fish Diseases, 2020, 43, 379-389.	1.9	8
52	The teleost polymeric Ig receptor counterpart in ballan wrasse (Labrus bergylta) differs from pIgR in higher vertebrates. Veterinary Immunology and Immunopathology, 2022, 249, 110440.	1.2	8
53	A monoclonal antibody distinguishes between two IgM heavy chain isotypes in Atlantic salmon and brown trout: Protein characterization, 3D modeling and epitope mapping. Molecular Immunology, 2011, 48, 1859-1867.	2.2	7
54	Pathological pigmentation in cardiac tissues of Atlantic salmon (Salmo salar L.) with cardiomyopathy syndrome. Veterinary Research, 2013, 44, 107.	3.0	6

#	Article	IF	Citations
55	Injection Vaccines Formulated with Nucleotide, Liposomal or Mineral Oil Adjuvants Induce Distinct Differences in Immunogenicity in Rainbow Trout. Vaccines, 2020, 8, 103.	4.4	6
56	Variations in mucous cell numbers in gills of Atlantic salmon (<i>Salmo salar</i>) presmolt in commercial freshwater farms in Norway. Journal of Fish Diseases, 2021, 44, 25-32.	1.9	5
57	Immunolocalization of immune cells and cell cycle proteins in the bulbus arteriosus of Atlantic salmon (Salmo salar L.). Fish and Shellfish Immunology, 2016, 51, 64-69.	3.6	3
58	Early immunohistochemical detection of pulmonary micrometastases in dogs with osteosarcoma. Acta Veterinaria Scandinavica, 2021, 63, 41.	1.6	2
59	Anatomy of Teleost Fish Immune Structures and Organs. , 2022, , 1-30.		2