

# Tor Gjen

## List of Publications by Citations

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63

papers

2,377

citations

27

h-index

47

g-index

68

ext. papers

2,710

ext. citations

4.6

avg, IF

4.25

L-index

#	Paper	IF	Citations
63	The genome sequence of Atlantic cod reveals a unique immune system. <i>Nature</i> , <b>2011</b> , 477, 207-10	50.4	546
62	Validation of reference genes for real-time polymerase chain reaction studies in Atlantic salmon. <i>Marine Biotechnology</i> , <b>2006</b> , 8, 398-408	3.4	126
61	Peroxisome proliferator activated receptors in Atlantic salmon ( <i>Salmo salar</i> ): effects on PPAR transcription and acyl-CoA oxidase activity in hepatocytes by peroxisome proliferators and fatty acids. <i>Lipids and Lipid Metabolism</i> , <b>1997</b> , 1348, 331-8		118
60	Effect of rapeseed oil and dietary n-3 fatty acids on triacylglycerol synthesis and secretion in Atlantic salmon hepatocytes. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , <b>2008</b> , 1781, 112-22	5	73
59	Changes in fatty acids metabolism during differentiation of Atlantic salmon preadipocytes; effects of n-3 and n-9 fatty acids. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , <b>2008</b> , 1781, 326-35	5	72
58	An in vitro method for studying the proliferation and differentiation of Atlantic salmon preadipocytes. <i>Lipids</i> , <b>2003</b> , 38, 289-96	1.6	72
57	In situ localisation of major histocompatibility complex class I and class II and CD8 positive cells in infectious salmon anaemia virus (ISAV)-infected Atlantic salmon. <i>Fish and Shellfish Immunology</i> , <b>2010</b> , 28, 30-9	4.3	69
56	Characterisation of a long-term cell line (SHK-1) developed from the head kidney of Atlantic salmon ( <i>Salmo salar</i> L.). <i>Fish and Shellfish Immunology</i> , <b>1997</b> , 7, 213-226	4.3	69
55	Hepatic scavenger receptor class B, type I is stimulated by peroxisome proliferator-activated receptor gamma and hepatocyte nuclear factor 4alpha. <i>Biochemical and Biophysical Research Communications</i> , <b>2003</b> , 305, 557-65	3.4	65
54	Effect of early infectious salmon anaemia virus (ISAV) infection on expression of MHC pathway genes and type I and II interferon in Atlantic salmon ( <i>Salmo salar</i> L.) tissues. <i>Fish and Shellfish Immunology</i> , <b>2007</b> , 23, 576-88	4.3	57
53	The expression of scavenger receptor class B, type I (SR-BI) and caveolin-1 in parenchymal and nonparenchymal liver cells. <i>Cell and Tissue Research</i> , <b>2002</b> , 307, 173-80	4.2	56
52	Expression of MHC class I pathway genes in response to infectious salmon anaemia virus in Atlantic salmon ( <i>Salmo salar</i> L.) cells. <i>Fish and Shellfish Immunology</i> , <b>2006</b> , 21, 548-60	4.3	53
51	Transcriptomic analysis of responses to infectious salmon anemia virus infection in macrophage-like cells. <i>Virus Research</i> , <b>2008</b> , 136, 65-74	6.4	46
50	A role for scavenger receptors in phagocytosis of protein-coated particles in rainbow trout head kidney macrophages. <i>Developmental and Comparative Immunology</i> , <b>1998</b> , 22, 533-49	3.2	44
49	Bile acids reduce SR-BI expression in hepatocytes by a pathway involving FXR/RXR, SHP, and LRH-1. <i>Biochemical and Biophysical Research Communications</i> , <b>2005</b> , 336, 1096-105	3.4	43
48	Effect of 18:1n-9, 20:5n-3, and 22:6n-3 on lipid accumulation and secretion by Atlantic salmon hepatocytes. <i>Lipids</i> , <b>2005</b> , 40, 477-86	1.6	41
47	Sesamin increases alpha-linolenic acid conversion to docosahexaenoic acid in atlantic salmon ( <i>Salmo salar</i> L.) hepatocytes: role of altered gene expression. <i>Lipids</i> , <b>2008</b> , 43, 999-1008	1.6	40

46	Initial events in infectious salmon anemia virus infection: evidence for the requirement of a low-pH step. <i>Journal of Virology</i> , <b>2000</b> , 74, 218-27	6.6	40
45	Beta-oxidation, esterification, and secretion of radiolabeled fatty acids in cultivated Atlantic salmon skeletal muscle cells. <i>Lipids</i> , <b>2004</b> , 39, 649-58	1.6	37
44	Validation of reference genes for quantitative RT-qPCR studies of gene expression in Atlantic cod ( <i>Gadus morhua</i> L.) during temperature stress. <i>BMC Research Notes</i> , <b>2011</b> , 4, 104	2.3	36
43	Sesamin supplementation increases white muscle docosahexaenoic acid (DHA) levels in rainbow trout ( <i>Oncorhynchus mykiss</i> ) fed high alpha-linolenic acid (ALA) containing vegetable oil: metabolic actions. <i>Lipids</i> , <b>2008</b> , 43, 989-97	1.6	36
42	Effects of temperature and dietary n-3 and n-6 fatty acids on endocytic processes in isolated rainbow trout ( <i>Oncorhynchus mykiss</i> , Walbaum) hepatocytes. <i>Fish Physiology and Biochemistry</i> , <b>1994</b> , 13, 119-32	2.7	34
41	Effects of TLR agonists and viral infection on cytokine and TLR expression in Atlantic salmon ( <i>Salmo salar</i> ). <i>Developmental and Comparative Immunology</i> , <b>2014</b> , 46, 139-45	3.2	33
40	Fluid phase endocytosis of [125I]iodixanol in rat liver parenchymal, endothelial and Kupffer cells. <i>Cell and Tissue Research</i> , <b>2001</b> , 304, 221-30	4.2	32
39	Effect of Dietary Lipids on Macrophage Function, Stress Susceptibility and Disease Esistance in Atlantic Salmon ( <i>Salmo salar</i> ). <i>Fish Physiology and Biochemistry</i> , <b>2004</b> , 30, 149-161	2.7	30
38	Effects of 3-thia fatty acids on expression of some lipid related genes in Atlantic salmon ( <i>Salmo salar</i> L.). <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , <b>2006</b> , 145, 239-48	2.8	27
37	Effect of soybean oil and fish oil on individual molecular species of Atlantic salmon head kidney phospholipids determined by normal-phase liquid chromatography coupled to negative ion electrospray tandem mass spectrometry. <i>Biomedical Applications</i> , <b>2000</b> , 748, 137-49		27
36	Synthesis and Preclinical Evaluation of TPA-Based Zinc Chelators as Metallo-βactamase Inhibitors. <i>ACS Infectious Diseases</i> , <b>2018</b> , 4, 1407-1422	5.5	26
35	Formation of autophagosomes and redistribution of LC3 upon in vitro infection with infectious salmon anemia virus. <i>Virus Research</i> , <b>2010</b> , 151, 104-7	6.4	24
34	Use of Poly(I:C) Stabilized with Chitosan As a Vaccine-Adjuvant Against Viral Hemorrhagic Septicemia Virus Infection in Zebrafish. <i>Zebrafish</i> , <b>2015</b> , 12, 421-31	2	23
33	The expression of endosomal rab proteins correlates with endocytic rate in rat liver cells. <i>Hepatology</i> , <b>1997</b> , 25, 1204-12	11.2	21
32	Structural and functional analysis of the hemagglutinin-esterase of infectious salmon anaemia virus. <i>Virus Research</i> , <b>2010</b> , 151, 131-41	6.4	20
31	Characterization of the receptor-destroying enzyme activity from infectious salmon anaemia virus. <i>Journal of General Virology</i> , <b>2002</b> , 83, 2693-2697	4.9	19
30	Short-term effect of bisphenol-a on oxidative stress responses in Atlantic salmon kidney cell line: a transcriptional study. <i>Toxicology Mechanisms and Methods</i> , <b>2016</b> , 26, 295-300	3.6	19
29	Characterization of scavenger receptor class B, type I in Atlantic salmon ( <i>Salmo salar</i> L.). <i>Lipids</i> , <b>2006</b> , 41, 1017-27	1.6	18

28	Effect of Temperature on Endocytosis and Intracellular Transport in the Cell Line SHK-1 Derived from Salmon Head Kidney. <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , <b>1997</b> , 117, 531-537		17
27	Binding of metastatic colon carcinoma cells to liver macrophages. <i>Journal of Leukocyte Biology</i> , <b>1989</b> , 45, 362-9	6.5	17
26	Analysis of host- and strain-dependent cell death responses during infectious salmon anemia virus infection in vitro. <i>Virology Journal</i> , <b>2009</b> , 6, 91	6.1	16
25	Protective effect of a recombinant VHSV-G vaccine using poly(I:C) loaded nanoparticles as an adjuvant in zebrafish ( <i>Danio rerio</i> ) infection model. <i>Developmental and Comparative Immunology</i> , <b>2016</b> , 61, 248-57	3.2	16
24	Stability of a Vesicular Stomatitis Virus-Vectored Ebola Vaccine. <i>Journal of Infectious Diseases</i> , <b>2016</b> , 213, 930-3	7	15
23	Enhanced transfection of cell lines from Atlantic salmon through nucleofection and antibiotic selection. <i>BMC Research Notes</i> , <b>2011</b> , 4, 136	2.3	15
22	Effects of dietary thia fatty acids on lipid composition, morphology and macrophage function of Atlantic salmon ( <i>Salmo salar</i> L.) kidney. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , <b>2007</b> , 148, 103-11	2.3	15
21	Antimicrobial Activity and Cytotoxicity of Ag(I) and Au(I) Pillarplexes. <i>Frontiers in Chemistry</i> , <b>2018</b> , 6, 584-5		15
20	Structurally diverse genes encode Tlr2 in rainbow trout: The conserved receptor cannot be stimulated by classical ligands to activate NF- $\kappa$ B in vitro. <i>Developmental and Comparative Immunology</i> , <b>2016</b> , 54, 75-88	3.2	14
19	Growth and quality of Atlantic cod ( <i>Gadus morhua</i> ) fed with high and low fat diets supplemented with glutamate. <i>Aquaculture</i> , <b>2014</b> , 433, 367-376	4.4	13
18	Metabolism of low density lipoproteins in rainbow trout. <i>Fish Physiology and Biochemistry</i> , <b>1992</b> , 9, 453-61	7	13
17	Lysosomal and endosomal heterogeneity in the liver: A comparison of the intracellular pathways of endocytosis in rat liver cells. <i>Hepatology</i> , <b>1991</b> , 13, 254-259	11.2	12
16	Synthesis and biological evaluation of zinc chelating compounds as metallo- $\beta$ -lactamase inhibitors. <i>MedChemComm</i> , <b>2019</b> , 10, 528-537	5	11
15	ZN148 Is a Modular Synthetic Metallo- $\beta$ -Lactamase Inhibitor That Reverses Carbapenem Resistance in Gram-Negative Pathogens. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2020</b> , 64,	5.9	11
14	Metabolism of high-density lipoproteins in rainbow trout. <i>Lipids and Lipid Metabolism</i> , <b>1992</b> , 1125, 8-12		11
13	Cloning and expression analysis of an Atlantic salmon ( <i>Salmo salar</i> L.) tapasin gene. <i>Developmental and Comparative Immunology</i> , <b>2007</b> , 31, 708-19	3.2	10
12	Metabolism of oxidized and chemically modified low density lipoproteins in rainbow trout--clearance via scavenger receptors. <i>Developmental and Comparative Immunology</i> , <b>2002</b> , 26, 723-33	3.2	9
11	Activation of unfolded protein response pathway during infectious salmon anemia virus (ISAV) infection in vitro an in vivo. <i>Developmental and Comparative Immunology</i> , <b>2016</b> , 54, 46-54	3.2	8

10	Effects of dietary n-3 fatty acids on Toll-like receptor activation in primary leucocytes from Atlantic salmon ( <i>Salmo salar</i> ). <i>Fish Physiology and Biochemistry</i> , <b>2017</b> , 43, 1065-1080	2.7	8
9	The influence of different dietary oil qualities on growth rate, feed utilization and oxidative stress in Atlantic cod. <i>Aquaculture Nutrition</i> , <b>2014</b> , 20, 192-204	3.2	7
8	Binding of infectious pancreatic necrosis virus (IPNV) to membrane proteins from different fish cell lines. <i>Archives of Virology</i> , <b>2008</b> , 153, 485-93	2.6	7
7	Interaction of low density lipoproteins with liver cells in rainbow trout. <i>Fish Physiology and Biochemistry</i> , <b>1993</b> , 10, 465-73	2.7	7
6	Reactive oxygen species and cytotoxicity in rainbow trout hepatocytes: effects of medium and incubation time. <i>Bulletin of Environmental Contamination and Toxicology</i> , <b>2015</b> , 94, 193-8	2.7	5
5	Kinetics of transcriptional response against poly (I:C) and infectious salmon anemia virus (ISAV) in Atlantic salmon kidney (ASK) cell line. <i>Developmental and Comparative Immunology</i> , <b>2020</b> , 110, 103716	3.2	5
4	Interaction between dietary fatty acids and genotype on immune response in Atlantic salmon ( <i>Salmo salar</i> ) after vaccination: A transcriptome study. <i>PLoS ONE</i> , <b>2019</b> , 14, e0219625	3.7	3
3	Hepatic uptake and intracellular processing of LDL in rainbow trout. <i>Lipids and Lipid Metabolism</i> , <b>1993</b> , 1169, 225-30		2
2	The effect of temperature on intracellular transport of asialo-glycoproteins in rainbow trout liver. <i>Journal of Fish Biology</i> , <b>1994</b> , 45, 75-86	1.9	2
1	Chitosan nanoparticle formulation attenuates poly (I:C) induced innate immune responses against inactivated virus vaccine in Atlantic salmon ( <i>Salmo salar</i> ). <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , <b>2021</b> , 40, 100915	2	0