

Samuel A M Martin

List of Publications by Citations

Source: <https://exaly.com/author-pdf/7319138/samuel-a-m-martin-publications-by-citations.pdf>

Version: 2023-06-03

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

113
papers

4,282
citations

38
h-index

62
g-index

127
ext. papers

5,341
ext. citations

4.6
avg, IF

5.66
L-index

#	Paper	IF	Citations
112	Protein growth performance, amino acid utilisation and somatotropic axis responsiveness to fish meal replacement by plant protein sources in gilthead sea bream (<i>Sparus aurata</i>). <i>Aquaculture</i> , 2004 , 232, 493-510	4.4	314
111	Environmental and physiological factors shape the gut microbiota of Atlantic salmon parr (L). <i>Aquaculture</i> , 2017 , 467, 149-157	4.4	181
110	Functional characterization of a nonmammalian IL-21: rainbow trout <i>Oncorhynchus mykiss</i> IL-21 upregulates the expression of the Th cell signature cytokines IFN-gamma, IL-10, and IL-22. <i>Journal of Immunology</i> , 2011 , 186, 708-21	5.2	131
109	Nasal immunity is an ancient arm of the mucosal immune system of vertebrates. <i>Nature Communications</i> , 2014 , 5, 5205	16.9	129
108	Proteomic sensitivity to dietary manipulations in rainbow trout. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2003 , 1651, 17-29	3.8	124
107	Effects of dietary amino acid profile on growth performance, key metabolic enzymes and somatotropic axis responsiveness of gilthead sea bream (<i>Sparus aurata</i>). <i>Aquaculture</i> , 2003 , 220, 749-767	4.4	123
106	Dietary plant-protein substitution affects hepatic metabolism in rainbow trout (<i>Oncorhynchus mykiss</i>). <i>British Journal of Nutrition</i> , 2004 , 92, 71-80	3.4	115
105	Nutrigenomics and immune function in fish: new insights from omics technologies. <i>Developmental and Comparative Immunology</i> , 2017 , 75, 86-98	3.2	116
104	Harnessing genomics to fast-track genetic improvement in aquaculture. <i>Nature Reviews Genetics</i> , 2020 , 21, 389-409	29.1	112
103	Disrupted seasonal biology impacts health, food security and ecosystems. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015 , 282, 20151453	4.3	97
102	Starvation alters the liver transcriptome of the innate immune response in Atlantic salmon (<i>Salmo salar</i>). <i>BMC Genomics</i> , 2010 , 11, 418	4.3	97
101	Transcriptome response following administration of a live bacterial vaccine in Atlantic salmon (<i>Salmo salar</i>). <i>Molecular Immunology</i> , 2006 , 43, 1900-11	4.2	92
100	Lineage-specific rediploidization is a mechanism to explain time-lags between genome duplication and evolutionary diversification. <i>Genome Biology</i> , 2017 , 18, 111	17.7	81
99	Transcriptomic responses in the fish intestine. <i>Developmental and Comparative Immunology</i> , 2016 , 64, 103-17	3.2	76
98	Transcriptomic responses to functional feeds in Atlantic salmon (<i>Salmo salar</i>). <i>Fish and Shellfish Immunology</i> , 2011 , 31, 704-15	4.1	75
97	Directional responses following recombinant cytokine stimulation of rainbow trout (<i>Oncorhynchus mykiss</i>) RTS-11 macrophage cells as revealed by transcriptome profiling. <i>BMC Genomics</i> , 2007 , 8, 150	4.3	72
96	Cortisol modulates the induction of inflammatory gene expression in a rainbow trout macrophage cell line. <i>Fish and Shellfish Immunology</i> , 2011 , 30, 215-23	4.1	68

95	Seawater transfer alters the intestinal microbiota profiles of Atlantic salmon (<i>Salmo salar</i> L.). <i>Scientific Reports</i> , 2017 , 7, 13877	4.7	64
94	Ubiquitin-proteasome-dependent proteolysis in rainbow trout (<i>Oncorhynchus mykiss</i>): effect of food deprivation. <i>Pflugers Archiv European Journal of Physiology</i> , 2002 , 445, 257-66	4.5	65
93	Two copies of the genes encoding the subunits of putative interleukin (IL)-4/IL-13 receptors, IL-4R β and IL-13R α , have been identified in rainbow trout (<i>Oncorhynchus mykiss</i>) and have complex patterns of expression and modulation. <i>Immunogenetics</i> , 2011 , 63, 235-53	3.1	63
92	Proteome analysis of rainbow trout (<i>Oncorhynchus mykiss</i>) liver proteins during short term starvation. <i>Fish Physiology and Biochemistry</i> , 2001 , 24, 259-270	2.7	63
91	Identification and characterisation of TLR18-21 genes in Atlantic salmon (<i>Salmo salar</i>). <i>Fish and Shellfish Immunology</i> , 2014 , 41, 549-59	4.1	62
90	Two interleukin-17C-like genes exist in rainbow trout <i>Oncorhynchus mykiss</i> that are differentially expressed and modulated. <i>Developmental and Comparative Immunology</i> , 2010 , 34, 491-500	3.2	62
89	Multiple tissue transcriptomic responses to <i>Piscirickettsia salmonis</i> in Atlantic salmon (<i>Salmo salar</i>). <i>Physiological Genomics</i> , 2011 , 43, 1241-54	3.4	59
88	Exploring the transcriptome of Atlantic salmon (<i>Salmo salar</i>) skin, a major defense organ. <i>Marine Biotechnology</i> , 2012 , 14, 559-69	3.3	60
87	Transcriptomic and physiological responses to fishmeal substitution with plant proteins in formulated feed in farmed Atlantic salmon (<i>Salmo salar</i>). <i>BMC Genomics</i> , 2012 , 13, 363	4.3	57
86	Differential responses of the gut transcriptome to plant protein diets in farmed Atlantic salmon. <i>BMC Genomics</i> , 2016 , 17, 156	4.3	53
85	Proteome analysis of the Atlantic salmon (<i>Salmo salar</i>) cell line SHK-1 following recombinant IFN-gamma stimulation. <i>Proteomics</i> , 2007 , 7, 2275-86	4.1	53
84	Cloning and characterization of the rainbow trout (<i>Oncorhynchus mykiss</i>) type II interleukin-1 receptor cDNA. <i>FEBS Journal</i> , 2000 , 267, 7031-7		52
83	Fat or lean? The quantitative genetic basis for selection strategies of muscle and body composition traits in breeding schemes of rainbow trout (<i>Oncorhynchus mykiss</i>). <i>Aquaculture</i> , 2006 , 261, 510-521	4.4	51
82	Impact of selenium supplementation on fish antiviral responses: a whole transcriptomic analysis in rainbow trout (<i>Oncorhynchus mykiss</i>) fed supranutritional levels of Sel-Plex \square . <i>BMC Genomics</i> , 2016 , 17, 116	4.3	50
81	Protein growth rate in rainbow trout (<i>Oncorhynchus mykiss</i>) is negatively correlated to liver 20S proteasome activity. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2004 , 137, 75-85	2.5	44
80	Identification of two FoxP3 genes in rainbow trout (<i>Oncorhynchus mykiss</i>) with differential induction patterns. <i>Molecular Immunology</i> , 2010 , 47, 2563-74	4.2	42
79	Selenium Supplementation in Fish: A Combined Chemical and Biomolecular Study to Understand Sel-Plex Assimilation and Impact on Selenoproteome Expression in Rainbow Trout (<i>Oncorhynchus mykiss</i>). <i>PLoS ONE</i> , 2015 , 10, e0127041	3.6	41
78	Characterization of cytosolic glutathione peroxidase and phospholipid-hydroperoxide glutathione peroxidase genes in rainbow trout (<i>Oncorhynchus mykiss</i>) and their modulation by in vitro selenium exposure. <i>Aquatic Toxicology</i> , 2013 , 130-131, 97-111	5	41

77	Functional divergence of type 2 deiodinase paralogs in the Atlantic salmon. <i>Current Biology</i> , 2015 , 25, 936-41	6.1	40
76	Identification and characterization of TLR7, TLR8a2, TLR8b1 and TLR8b2 genes in Atlantic salmon (<i>Salmo salar</i>). <i>Developmental and Comparative Immunology</i> , 2013 , 41, 295-305	3.2	39
75	Inflammatory responses in primary muscle cell cultures in Atlantic salmon (<i>Salmo salar</i>). <i>BMC Genomics</i> , 2013 , 14, 747	4.3	37
74	Insights into the fish thioredoxin system: expression profile of thioredoxin and thioredoxin reductase in rainbow trout (<i>Oncorhynchus mykiss</i>) during infection and in vitro stimulation. <i>Developmental and Comparative Immunology</i> , 2014 , 42, 261-77	3.2	37
73	The compositional and metabolic responses of gilthead seabream (<i>Sparus aurata</i>) to a gradient of dietary fish oil and associated n-3 long-chain PUFA content. <i>British Journal of Nutrition</i> , 2017 , 118, 1010-1022	3.4	36
72	Contrasting effects of acute and chronic stress on the transcriptome, epigenome, and immune response of Atlantic salmon. <i>Epigenetics</i> , 2018 , 13, 1191-1207	5.5	35
71	Transcriptional responses of resistant and susceptible fish clones to the bacterial pathogen <i>Flavobacterium psychrophilum</i> . <i>PLoS ONE</i> , 2012 , 7, e39126	3.6	35
70	Genetic improvement of feed conversion ratio via indirect selection against lipid deposition in farmed rainbow trout (<i>Oncorhynchus mykiss</i> Walbaum). <i>British Journal of Nutrition</i> , 2016 , 116, 1656-1665	3.4	34
69	Disparate developmental patterns of immune responses to bacterial and viral infections in fish. <i>Scientific Reports</i> , 2015 , 5, 15458	4.7	34
68	Characterisation of gamma-interferon responsive promoters in fish. <i>Molecular Immunology</i> , 2008 , 45, 3454-62	4.2	34
67	Transforming growth factor- β 1b: a second TGF- β paralogue in the rainbow trout (<i>Oncorhynchus mykiss</i>) that has a lower constitutive expression but is more responsive to immune stimulation. <i>Fish and Shellfish Immunology</i> , 2013 , 34, 420-32	4.1	33
66	High-throughput proteomic profiling of the fish liver following bacterial infection. <i>BMC Genomics</i> , 2018 , 19, 719	4.3	31
65	Negative correlation between milk production and brown adipose tissue gene expression in lactating mice. <i>Journal of Experimental Biology</i> , 2011 , 214, 4160-70	2.9	33
64	Development of an Efficient Genome Editing Method by CRISPR/Cas9 in a Fish Cell Line. <i>Marine Biotechnology</i> , 2016 , 18, 449-52	3.3	31
63	Cross Talk Between Growth and Immunity: Coupling of the IGF Axis to Conserved Cytokine Pathways in Rainbow Trout. <i>Endocrinology</i> , 2016 , 157, 1942-55	4.7	30
62	Extensive local gene duplication and functional divergence among paralogs in Atlantic salmon. <i>Genome Biology and Evolution</i> , 2014 , 6, 1790-805	3.7	28
61	Proteomic profiling of liver from Atlantic salmon (<i>Salmo salar</i>) fed genetically modified soy compared to the near-isogenic non-GM line. <i>Marine Biotechnology</i> , 2010 , 12, 273-81	3.3	28
60	Ubiquitin E3 ligase atrogin-1 (Fbox-32) in Atlantic salmon (<i>Salmo salar</i>): sequence analysis, genomic structure and modulation of expression. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2010 , 157, 364-73	2.3	27

59	The construction of spliced leader cDNA libraries from the filarial nematode <i>Brugia pahangi</i> . <i>Molecular and Biochemical Parasitology</i> , 1995 , 70, 241-5	1.8	26
58	Dietary Yeast Cell Wall Extract Alters the Proteome of the Skin Mucous Barrier in Atlantic Salmon (<i>Salmo salar</i>): Increased Abundance and Expression of a Calreticulin-Like Protein. <i>PLoS ONE</i> , 2017 , 12, e0169075	3.6	25
57	Viral Resistance and IFN Signaling in STAT2 Knockout Fish Cells. <i>Journal of Immunology</i> , 2019 , 203, 465-475	4.5	24
56	The structural variation landscape in 492 Atlantic salmon genomes. <i>Nature Communications</i> , 2020 , 11, 5176	16.9	23
55	Atlantic salmon (<i>Salmo salar</i>) parr as a model to predict the optimum inclusion of air classified faba bean protein concentrate in feeds for seawater salmon. <i>Aquaculture</i> , 2015 , 444, 70-78	4.4	22
54	Rainbow trout (<i>Oncorhynchus mykiss</i>) possess multiple novel immunoglobulin-like transcripts containing either an ITAM or ITIMs. <i>Developmental and Comparative Immunology</i> , 2009 , 33, 525-32	3.2	22
53	Dietary methylmercury alters the proteome in Atlantic salmon (<i>Salmo salar</i>) kidney. <i>Aquatic Toxicology</i> , 2012 , 108, 70-7	5	21
52	Genetic potential for simultaneous selection of growth and body composition in rainbow trout (<i>Oncorhynchus mykiss</i>) depends on the dietary protein and lipid content: Phenotypic and genetic correlations on two diets. <i>Aquaculture</i> , 2007 , 271, 162-172	4.4	20
51	Identification and characterisation of the IL-27 p28 subunits in fish: Cloning and comparative expression analysis of two p28 paralogues in Atlantic salmon <i>Salmo salar</i> . <i>Fish and Shellfish Immunology</i> , 2014 , 41, 102-12	4.1	20
50	Divergent regulation of insulin-like growth factor binding protein genes in cultured Atlantic salmon myotubes under different models of catabolism and anabolism. <i>General and Comparative Endocrinology</i> , 2017 , 247, 53-65	2.9	20
49	<i>Brugia pahangi</i> : characterisation of a small heat shock protein cDNA clone. <i>Experimental Parasitology</i> , 1996 , 83, 259-66	2	20
48	Proteomic comparison of selective breeding and growth hormone transgenesis in fish: Unique pathways to enhanced growth. <i>Journal of Proteomics</i> , 2019 , 192, 114-124	3.7	17
47	Muscle-specific RING finger (MuRF) cDNAs in Atlantic salmon (<i>Salmo salar</i>) and their role as regulators of muscle protein degradation. <i>Marine Biotechnology</i> , 2012 , 14, 35-45	3.3	17
46	Phylogeny and expression analysis of C-reactive protein (CRP) and serum amyloid-P (SAP) like genes reveal two distinct groups in fish. <i>Fish and Shellfish Immunology</i> , 2017 , 65, 42-51	4.1	17
45	Efficient CRISPR/Cas9 genome editing in a salmonid fish cell line using a lentivirus delivery system. <i>BMC Biotechnology</i> , 2020 , 20, 35	3.4	16
44	Growth hormone transgenesis in coho salmon disrupts muscle immune function impacting cross-talk with growth systems. <i>Journal of Experimental Biology</i> , 2018 , 221,	2.9	15
43	Stage specific gene expression in the post-infective L3 of the filarial nematode, <i>Brugia pahangi</i> . <i>Molecular and Biochemical Parasitology</i> , 1996 , 79, 109-12	1.8	15
42	Core versus diet-associated and postprandial bacterial communities of the rainbow trout (<i>Salmo gairdneri</i>) midgut and faeces. <i>Biology Open</i> , 2018 , 7,	2.1	14

41	Antiviral and metabolic gene expression responses to viral infection in Atlantic salmon (<i>Salmo salar</i>). <i>Fish and Shellfish Immunology</i> , 2015 , 42, 297-305	4.1	14
40	Regulatory factors controlling muscle mass: Competition between innate immune function and anabolic signals in regulation of atrogin-1 in Atlantic salmon. <i>Molecular Immunology</i> , 2015 , 67, 341-9	4.2	12
39	Establishment of an IFN-gamma specific reporter cell line in fish. <i>Fish and Shellfish Immunology</i> , 2010 , 28, 312-9	4.1	12
38	Supplementation of arginine, ornithine and citrulline in rainbow trout (<i>Oncorhynchus mykiss</i>): Effects on growth, amino acid levels in plasma and gene expression responses in liver tissue. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2020 , 241, 110632	2.5	12
37	A cytidine deaminase expressed in the post-infective L3 stage of the filarial nematode, <i>Brugia pahangi</i> , has a novel RNA-binding activity. <i>Molecular and Biochemical Parasitology</i> , 1997 , 88, 105-14	1.8	12
36	Rainbow trout (<i>Oncorhynchus mykiss</i>) urea cycle and polyamine synthesis gene families show dynamic expression responses to inflammation. <i>Fish and Shellfish Immunology</i> , 2019 , 89, 290-300	4.1	11
35	Influence of dietary inclusion of a wet processed faba bean protein isolate on post-smolt Atlantic salmon (<i>Salmo salar</i>). <i>Aquaculture</i> , 2016 , 465, 124-133	4.4	9
34	Cloning and sequence analysis of rainbow trout LMP 2 cDNA and differential expression of the mRNA. <i>Fish and Shellfish Immunology</i> , 1999 , 9, 621-632	4.1	11
33	Integration of Transcriptome, Gross Morphology and Histopathology in the Gill of Sea Farmed Atlantic Salmon (): Lessons From Multi-Site Sampling. <i>Frontiers in Genetics</i> , 2020 , 11, 610	4.4	10
32	Cloning and characterisation of multiple ferritin isoforms in the Atlantic salmon (<i>Salmo salar</i>). <i>PLoS ONE</i> , 2014 , 9, e103729	3.6	10
31	Interactions between <i>Paramoeba perurans</i> , the causative agent of amoebic gill disease, and the blue mussel, <i>Mytilus edulis</i> . <i>Aquaculture</i> , 2016 , 456, 1-8	4.4	8
30	The vertebrate muscle-specific RING finger protein family includes MuRF4--a novel, conserved E3-ubiquitin ligase. <i>FEBS Letters</i> , 2014 , 588, 4390-7	3.6	9
29	Arginine, ornithine and citrulline supplementation in rainbow trout: Free amino acid dynamics and gene expression responses to bacterial infection. <i>Fish and Shellfish Immunology</i> , 2020 , 98, 374-390	4.1	9
28	The AMPK system of salmonid fishes was expanded through genome duplication and is regulated by growth and immune status in muscle. <i>Scientific Reports</i> , 2019 , 9, 9819	4.7	8
27	The complete salmonid IGF-IR gene repertoire and its transcriptional response to disease. <i>Scientific Reports</i> , 2016 , 6, 34806	4.7	8
26	Genomic organisation analysis of novel immunoglobulin-like transcripts in Atlantic salmon (<i>Salmo salar</i>) reveals a tightly clustered and multigene family. <i>BMC Genomics</i> , 2010 , 11, 697	4.3	8
25	A Temporally Dynamic Gut Microbiome in Atlantic Salmon During Freshwater Recirculating Aquaculture System (RAS) Production and Post-seawater Transfer. <i>Frontiers in Marine Science</i> , 2021 , 8,	4.4	8
24	Air-classified faba bean protein concentrate is efficiently utilized as a dietary protein source by post-smolt Atlantic salmon (<i>Salmo salar</i>). <i>Aquaculture</i> , 2016 , 452, 169-177	4.4	6

23	Functional Analysis of All Salmonid Genomes (FAASG): an international initiative supporting future salmonid research, conservation and aquaculture		7
22	Marine n-3 fatty acids alter the proteomic response to methylmercury in Atlantic salmon kidney (ASK) cells. <i>Aquatic Toxicology</i> , 2012 , 106-107, 65-75	5	6
21	Postprandial hepatic protein expression in trout <i>Oncorhynchus mykiss</i> a proteomics examination. <i>Biochemistry and Biophysics Reports</i> , 2017 , 9, 79-85	2.1	6
20	Proteomics in Fish and Aquaculture Research 2018 , 311-338		5
19	NFAT5 genes are part of the osmotic regulatory system in Atlantic salmon (<i>Salmo salar</i>). <i>Marine Genomics</i> , 2017 , 31, 25-31	1.8	5
18	Four selenoprotein P genes exist in salmonids: Analysis of their origin and expression following Se supplementation and bacterial infection. <i>PLoS ONE</i> , 2018 , 13, e0209381	3.6	5
17	Functional characterisation of a TLR accessory protein, UNC93B1, in Atlantic salmon (<i>Salmo salar</i>). <i>Developmental and Comparative Immunology</i> , 2015 , 50, 38-48	3.2	4
16	Cloning and expression analysis of the mitochondrial ubiquitin ligase activator of NF- κ B (MULAN) in Atlantic salmon (<i>Salmo salar</i>). <i>Molecular Immunology</i> , 2011 , 49, 558-65	4.2	4
15	MULAN related gene (MRG): a potential novel ubiquitin ligase activator of NF- κ B involved in immune response in Atlantic salmon (<i>Salmo salar</i>). <i>Developmental and Comparative Immunology</i> , 2012 , 38, 545-53	3.2	3
14	Impacts of jellyfish on marine cage aquaculture: an overview of existing knowledge and the challenges to finfish health. <i>ICES Journal of Marine Science</i> , 2021 , 78, 1557-1573	2.6	3
13	Proteomics in Aquaculture 147-173		3
12	Lineage-specific rediploidization is a mechanism to explain time-lags between genome duplication and evolutionary diversification		3
11	Immunologic Profiling of the Atlantic Salmon Gill by Single Nuclei Transcriptomics. <i>Frontiers in Immunology</i> , 2021 , 12, 669889	8.2	2
10	Growth hormone transgenesis disrupts immune function in muscle of coho salmon (<i>Oncorhynchus kisutch</i>) impacting cross-talk with growth systems		2
9	Efficient CRISPR/Cas9 genome editing in a salmonid fish cell line using a lentivirus delivery system		2
8	Interactive effects of dietary lipid and nutritional emulsifier supplementation on growth, chemical composition, immune response and lipid metabolism of juvenile Nile tilapia (<i>Oreochromis niloticus</i>). <i>Aquaculture</i> , 2022 , 546, 737341	4.4	2
7	Photoperiod-dependent developmental reprogramming of the transcriptional response to seawater entry in Atlantic salmon (<i>Salmo salar</i>). <i>G3: Genes, Genomes, Genetics</i> , 2021 , 11,	3.1	1
6	Sampling the fish gill microbiome: a comparison of tissue biopsies and swabs. <i>BMC Microbiology</i> , 2021 , 21, 313	4.3	1

- 5 Disparate developmental patterns of immune responses to bacterial and viral infections in fish. *Fish and Shellfish Immunology*, **2016**, 53, 92 4.1
- 4 *Tenebrio molitor* larvae meal inclusion affects hepatic proteome and apoptosis and/or autophagy of three farmed fish species.. *Scientific Reports*, **2022**, 12, 121 4.7 ○
- 3 Temporal changes in skin and gill microbiomes of Atlantic salmon in a recirculating aquaculture system [Why do they matter?]. *Aquaculture*, **2022**, 738352 4.4 ○
- 2 Application of Proteomics to Fish Processing and Quality **2012**, 406-424
- 1 Gill Transcriptomic Responses to Toxin-producing Alga in Rainbow Trout.. *Frontiers in Immunology*, **2021**, 12, 794593 8.2