

# James F Turnbull

## List of Publications by Year in descending order

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65  
papers

3,725  
citations

218592

26  
h-index

133188

59  
g-index

71  
all docs

71  
docs citations

71  
times ranked

3510  
citing authors

#	ARTICLE	IF	CITATIONS
1	Current issues in fish welfare. <i>Journal of Fish Biology</i> , 2006, 68, 332-372.	0.7	627
2	The use and selection of probiotic bacteria for use in the culture of larval aquatic organisms. <i>Aquaculture</i> , 2000, 191, 259-270.	1.7	354
3	The impact of stocking density on the welfare of rainbow trout ( <i>Oncorhynchus mykiss</i> ). <i>Aquaculture</i> , 2006, 255, 466-479.	1.7	253
4	Stocking density and welfare of cage farmed Atlantic salmon: application of a multivariate analysis. <i>Aquaculture</i> , 2005, 243, 121-132.	1.7	214
5	Human <i>Streptococcus agalactiae</i> strains in aquatic mammals and fish. <i>BMC Microbiology</i> , 2013, 13, 41.	1.3	174
6	Influence of water quality and temperature on adhesion of high and low virulence <i>Flavobacterium columnare</i> strains to isolated gill arches. <i>Journal of Fish Diseases</i> , 1999, 22, 1-11.	0.9	138
7	Species of <i>Vibrio</i> isolated from hepatopancreas, haemolymph and digestive tract of a population of healthy juvenile <i>Penaeus vannamei</i> . <i>Aquaculture</i> , 1998, 163, 1-9.	1.7	134
8	Review of climate change impacts on marine aquaculture in the UK and Ireland. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2012, 22, 389-421.	0.9	134
9	Identification of <i>Edwardsiella ictaluri</i> from diseased freshwater catfish, <i>Pangasius hypophthalmus</i> (Sauvage), cultured in the Mekong Delta, Vietnam. <i>Journal of Fish Diseases</i> , 2002, 25, 733-736.	0.9	110
10	The histopathology associated with the pre-adult and adult stages of <i>Lepeophtheirus salmonis</i> on the Atlantic salmon, <i>Salmo salar</i> L.. <i>Journal of Fish Diseases</i> , 1992, 15, 521-527.	0.9	98
11	Alternative competitive strategies and the cost of food acquisition in juvenile Atlantic salmon ( <i>Salmo</i> ) Tj ETQq1 1 0,784314 rgBT /Overlo 91	1.7	91
12	Prospects for management strategies of invasive crayfish populations with an emphasis on biological control. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2010, 20, 211-223.	0.9	77
13	A validated macroscopic key to assess fin damage in farmed rainbow trout ( <i>Oncorhynchus mykiss</i> ). <i>Aquaculture</i> , 2007, 270, 142-148.	1.7	75
14	Multiple determinants of welfare in farmed fish: stocking density, disturbance, and aggression in Atlantic salmon ( <i>Salmo salar</i> ). <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2007, 64, 336-344.	0.7	75
15	Exploring the microbial diversity of the distal intestinal lumen and mucosa of farmed rainbow trout ( <i>Oncorhynchus mykiss</i> ) (Walbaum) using next generation sequencing (NGS). <i>Aquaculture Research</i> , 2017, 48, 77-91.	0.9	70
16	The effectiveness of fallowing strategies in disease control in salmon aquaculture assessed with an SIS model. <i>Preventive Veterinary Medicine</i> , 2011, 98, 64-73.	0.7	67
17	Prevalence of Zoonotic Trematodes in Fish from a Vietnamese Fish-Farming Community. <i>Journal of Parasitology</i> , 2008, 94, 423-428.	0.3	66
18	Bacillary necrosis in farmed <i>Pangasius hypophthalmus</i> (Sauvage) from the Mekong Delta, Vietnam. <i>Journal of Fish Diseases</i> , 2001, 24, 509-513.	0.9	63

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19	Prioritization of knowledge needs for sustainable aquaculture: a national and global perspective. <i>Fish and Fisheries</i> , 2015, 16, 668-683.	2.7	55
20	A baseline method for benchmarking mortality losses in Atlantic salmon ( <i>Salmo salar</i> ) production. <i>Aquaculture</i> , 2011, 314, 7-12.	1.7	52
21	Size heterogeneity can reduce aggression and promote growth in Atlantic salmon parr. <i>Aquaculture International</i> , 2000, 8, 543-549.	1.1	45
22	Pair-level approximations to the spatio-temporal dynamics of epidemics on asymmetric contact networks. <i>Journal of Mathematical Biology</i> , 2006, 53, 61-85.	0.8	45
23	Trends during development of Scottish salmon farming: An example of sustainable intensification?. <i>Aquaculture</i> , 2016, 458, 82-99.	1.7	45
24	Genomic comparison of virulent and non-virulent <i>Streptococcus agalactiae</i> in fish. <i>Journal of Fish Diseases</i> , 2016, 39, 13-29.	0.9	42
25	Mortality and fish welfare. <i>Fish Physiology and Biochemistry</i> , 2012, 38, 189-199.	0.9	34
26	Introduced parasite <i>Anguillicola crassus</i> infection significantly impedes swim bladder function in the European eel <i>Anguilla anguilla</i> (L.). <i>Journal of Fish Diseases</i> , 2014, 37, 921-924.	0.9	31
27	Ultrastructure and Cytopathology of a Rickettsia-like Organism Causing Systemic Infection in the Redclaw Crayfish, <i>Cherax quadricarinatus</i> (Crustacea: Decapoda), in Ecuador. <i>Journal of Invertebrate Pathology</i> , 2000, 76, 95-104.	1.5	28
28	Effect of water treatment and aeration on the percentage hatch of demersal, adhesive eggs of the bullseye puffer ( <i>Sphoeroides annulatus</i> ). <i>Aquaculture</i> , 2004, 229, 147-158.	1.7	24
29	Multi-centre testing and validation of current protocols for the identification of <i>Gyrodactylus salaris</i> (Monogenea). <i>International Journal for Parasitology</i> , 2010, 40, 1455-1467.	1.3	21
30	The pathology of chronic erosive dermatopathy in Murray cod, <i>Maccullochella peelii peelii</i> (Mitchell). <i>Journal of Fish Diseases</i> , 2005, 28, 3-12.	0.9	19
31	Investigating the Effect of an Oxytetracycline Treatment on the Gut Microbiome and Antimicrobial Resistance Gene Dynamics in Nile Tilapia ( <i>Oreochromis niloticus</i> ). <i>Antibiotics</i> , 2021, 10, 1213.	1.5	19
32	Epidemics and control strategies for diseases of farmed salmonids: A parameter study. <i>Epidemics</i> , 2010, 2, 195-206.	1.5	18
33	BIO-ECONOMIC COSTS AND BENEFITS OF USING TRIPLOID RAINBOW TROUT IN AQUACULTURE: REDUCED MORTALITY. <i>Aquaculture, Economics and Management</i> , 2012, 16, 365-383.	2.3	18
34	A risk assessment for managing non-native parasites. <i>Biological Invasions</i> , 2013, 15, 1273-1286.	1.2	18
35	Stocking density practices of commercial UK rainbow trout farms. <i>Aquaculture</i> , 2006, 259, 260-267.	1.7	17
36	The implications of a feelings-based approach to fish welfare: a reply to Arlinghaus et al.. <i>Fish and Fisheries</i> , 2007, 8, 277-280.	2.7	15

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37	Further development of the "Fin Index" method for quantifying fin erosion in rainbow trout. <i>Aquaculture</i> , 2009, 289, 283-288.	1.7	15
38	Histopathology and Ultrastructure of Segmented Filamentous Bacteria-associated Rainbow Trout Gastroenteritis. <i>Veterinary Pathology</i> , 2010, 47, 220-230.	0.8	15
39	Draft Genome Sequence of a Nonhemolytic Fish-Pathogenic <i>Streptococcus agalactiae</i> Strain. <i>Journal of Bacteriology</i> , 2012, 194, 6341-6342.	1.0	15
40	Problems and solutions with the design and execution of an epidemiological study of white spot disease in black tiger shrimp ( <i>Penaeus monodon</i> ) in Vietnam. <i>Preventive Veterinary Medicine</i> , 2002, 53, 117-132.	0.7	14
41	A prospective longitudinal study of "Candidatus arthromitus"-associated rainbow trout gastroenteritis in the UK. <i>Preventive Veterinary Medicine</i> , 2010, 94, 289-300.	0.7	14
42	A retrospective cross-sectional study on "Candidatus arthromitus"-associated Rainbow trout gastroenteritis (RTGE) in the UK. <i>Aquaculture</i> , 2009, 290, 22-27.	1.7	13
43	Development of a bath challenge for the marine shrimp <i>Penaeus vannamei</i> Boone, 1931. <i>Aquaculture</i> , 1998, 169, 283-290.	1.7	12
44	A comparative molecular study of the presence of "Candidatus" arthromitus in the digestive system of rainbow trout, <i>Oncorhynchus mykiss</i> (Walbaum), healthy and affected with rainbow trout gastroenteritis. <i>Journal of Fish Diseases</i> , 2010, 33, 241-250.	0.9	12
45	MODELING THE ECONOMIC IMPACT OF WELFARE INTERVENTIONS IN FISH FARMING—a CASE STUDY FROM THE U.K. RAINBOW TROUT INDUSTRY. <i>Aquaculture, Economics and Management</i> , 2012, 16, 315-340.	2.3	11
46	The effect of oxytetracycline treatment on the gut microbiome community dynamics in rainbow trout ( <i>Oncorhynchus mykiss</i> ) over time. <i>Aquaculture</i> , 2022, 560, 738559.	1.7	11
47	Applied epidemiology with examples from UK aquaculture. <i>Aquaculture Research</i> , 2011, 42, 21-27.	0.9	10
48	Comparative imaging of European eels ( <i>Anguilla anguilla</i> ) for the evaluation of swimbladder nematode ( <i>Anguillicoloides crassus</i> ) infestation. <i>Journal of Fish Diseases</i> , 2016, 39, 635-647.	0.9	10
49	Histopathological and ultrastructural studies of the tapeworm <i>Monobothrium wagneri</i> (Caryophyllidea) in the intestinal tract of tench <i>Tinca tinca</i> . <i>Diseases of Aquatic Organisms</i> , 2011, 97, 143-154.	0.5	9
50	WELFARE AND AQUACULTURE: WHERE BENEFISH FITS IN. <i>Aquaculture, Economics and Management</i> , 2012, 16, 433-440.	2.3	9
51	Seasonality and heterogeneity of live fish movements in Scottish fish farms. <i>Diseases of Aquatic Organisms</i> , 2011, 96, 69-82.	0.5	9
52	A study of gross, histological and blood biochemical changes in rainbow trout, <i>Oncorhynchus mykiss</i> (Walbaum), with rainbow trout gastroenteritis (RTGE). <i>Journal of Fish Diseases</i> , 2010, 33, 301-310.	0.9	8
53	Evaluating abnormal mortality as an indicator of disease presence in the Atlantic salmon industry using the receiver operating characteristic (ROC). <i>Aquaculture</i> , 2012, 370-371, 136-143.	1.7	8
54	A MULTI-DISCIPLINARY FRAMEWORK FOR BIO-ECONOMIC MODELING IN AQUACULTURE: A WELFARE CASE STUDY. <i>Aquaculture, Economics and Management</i> , 2012, 16, 297-314.	2.3	8

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55	Qualitative Behavioral Assessment in Juvenile Farmed Atlantic Salmon ( <i>Salmo salar</i> ): Potential for On-Farm Welfare Assessment. <i>Frontiers in Veterinary Science</i> , 2021, 8, 702783.	0.9	8
56	Evidence that superficial branchial colonies on the gills of <i>Salmo salar</i> L. are not <i>Aeromonas salmonicida</i> . <i>Journal of Fish Diseases</i> , 1989, 12, 449-458.	0.9	7
57	Achieving consensus on current and future priorities for farmed fish welfare: a case study from the UK. <i>Fish Physiology and Biochemistry</i> , 2012, 38, 219-229.	0.9	7
58	Factors affecting variation in mortality of marine Atlantic salmon <i>Salmo salar</i> in Scotland. <i>Diseases of Aquatic Organisms</i> , 2013, 103, 101-109.	0.5	7
59	A histopathological disease survey of cultured shrimp in North East Sumatera, Indonesia. <i>Journal of Fish Diseases</i> , 1994, 17, 57-65.	0.9	6
60	Seasonal development and pathological changes associated with the parasitic nematode <i>Philometroides sanguineus</i> in wild crucian carp <i>Carassius carassius</i> (L.) in England. <i>Journal of Helminthology</i> , 2012, 86, 329-338.	0.4	6
61	Clinical white spot disease status in <i>Penaeus monodon</i> during the middle of the culture period – its epidemiological significance. <i>Journal of Fish Diseases</i> , 2010, 33, 609-615.	0.9	5
62	The Complex Influences on How We Care for Farmed Fish. <i>Frontiers in Veterinary Science</i> , 2021, 8, 765797.	0.9	4
63	Evaluation of visible implant elastomer tags for pathogenesis research in Nile tilapia ( <i>Oreochromis</i> ) Tj ETQq1 1 0,784314 rgBT /Ove	0.9	3
64	Enhancing collaboration in the UK animal welfare research community. <i>Veterinary Record</i> , 2016, 178, 138-139.	0.2	1
65	Mortality and fish welfare. , 2011, , 189-199.		0