

# Andrew Davie

## List of Publications by Year in descending order

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Version: 2024-02-01

59  
papers

2,550  
citations

236612

25  
h-index

197535

49  
g-index

59  
all docs

59  
docs citations

59  
times ranked

2559  
citing authors

#	ARTICLE	IF	CITATIONS
1	Harnessing genomics to fast-track genetic improvement in aquaculture. <i>Nature Reviews Genetics</i> , 2020, 21, 389-409.	7.7	286
2	Current knowledge on the photoneuroendocrine regulation of reproduction in temperate fish species. <i>Journal of Fish Biology</i> , 2010, 76, 27-68.	0.7	228
3	Gamete quality and broodstock management in temperate fish. <i>Reviews in Aquaculture</i> , 2013, 5, S194.	4.6	195
4	Effects of light during early larval development of some aquacultured teleosts: A review. <i>Aquaculture</i> , 2011, 315, 86-94.	1.7	187
5	Dietary lipid enhancement of broodstock reproductive performance and egg and larval quality in Atlantic halibut ( <i>Hippoglossus hippoglossus</i> ). <i>Aquaculture</i> , 2003, 227, 21-33.	1.7	178
6	Mapping the sex determination locus in the Atlantic halibut ( <i>Hippoglossus hippoglossus</i> ) using RAD sequencing. <i>BMC Genomics</i> , 2013, 14, 566.	1.2	133
7	Sustainable production and use of cleaner fish for the biological control of sea lice: recent advances and current challenges. <i>Veterinary Record</i> , 2018, 183, 383-383.	0.2	93
8	A comparative ex vivo and in vivo study of day and night perception in teleosts species using the melatonin rhythm. <i>Journal of Pineal Research</i> , 2006, 41, 42-52.	3.4	82
9	Biosynthesis of very long-chain fatty acids (C>24) in Atlantic salmon: Cloning, functional characterisation, and tissue distribution of an Elovl4 elongase. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2011, 159, 122-129.	0.7	82
10	Differential light intensity and spectral sensitivities of Atlantic salmon, European sea bass and Atlantic cod pineal glands ex vivo. <i>General and Comparative Endocrinology</i> , 2010, 165, 25-33.	0.8	75
11	Evidence for differential photic regulation of pineal melatonin synthesis in teleosts. <i>Journal of Pineal Research</i> , 2007, 43, 327-335.	3.4	70
12	Seasonal Variations in Clock Gene Expression in Atlantic Salmon ( <i>Salmo salar</i> ). <i>Chronobiology International</i> , 2009, 26, 379-395.	0.9	66
13	Delousing efficiency of farmed ballan wrasse ( <i>Labrus bergylta</i> ) against <i>Lepeophtheirus salmonis</i> infecting Atlantic salmon ( <i>Salmo salar</i> ) post-smolts. <i>Pest Management Science</i> , 2014, 70, 1274-1282.	1.7	65
14	The role of seasonally altering photoperiod in regulating physiology in Atlantic cod ( <i>Gadus morhua</i> ). Part I. Sexual maturation. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2007, 64, 84-97.	0.7	60
15	Biosynthesis of Polyunsaturated Fatty Acids in Sea Urchins: Molecular and Functional Characterisation of Three Fatty Acyl Desaturases from <i>Paracentrotus lividus</i> (Lamarck 1816). <i>PLoS ONE</i> , 2017, 12, e0169374.	1.1	51
16	Inhibition of sexual maturation in tank reared haddock ( <i>Melanogrammus aeglefinus</i> ) through the use of constant light photoperiods. <i>Aquaculture</i> , 2007, 270, 379-389.	1.7	50
17	Kisspeptin and seasonal control of reproduction in male European sea bass ( <i>Dicentrarchus labrax</i> ). <i>General and Comparative Endocrinology</i> , 2012, 179, 384-399.	0.8	48
18	Stress response to anthropogenic noise in Atlantic cod <i>Gadus morhua</i> L.. <i>Aquacultural Engineering</i> , 2015, 67, 67-76.	1.4	48

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19	Effects of light spectrum and tank background colour on Atlantic cod ( <i>Gadus morhua</i> ) and turbot ( <i>Scophthalmus maximus</i> ) larvae performances. <i>Aquaculture</i> , 2016, 450, 6-13.	1.7	43
20	Evaluation of new microparticulate diets for early weaning of Atlantic cod ( <i>Gadus morhua</i> ): Implications on larval performances and tank hygiene. <i>Aquaculture</i> , 2007, 263, 35-51.	1.7	42
21	Daily Rhythms in Expression of Genes of Hepatic Lipid Metabolism in Atlantic Salmon ( <i>Salmo salar</i> L.). <i>PLoS ONE</i> , 2014, 9, e106739.	1.1	40
22	Application of passive-acoustic telemetry to explore the behaviour of ballan wrasse ( <i>Labrus bergylta</i> ) and lumpfish ( <i>Cyclopterus lumpus</i> ) in commercial Scottish salmon sea-pens. <i>Aquaculture</i> , 2018, 495, 1-12.	1.7	33
23	Genetic improvement technologies to support the sustainable growth of UK aquaculture. <i>Reviews in Aquaculture</i> , 2021, 13, 1958-1985.	4.6	31
24	Photoperiod manipulation of maturation and growth of Atlantic cod ( <i>Gadus morhua</i> ). <i>Fish Physiology and Biochemistry</i> , 2003, 28, 399-401.	0.9	29
25	DNA sampling from mucus in the Nile tilapia, <i>Oreochromis niloticus</i> : minimally invasive sampling for aquaculture-related genetics research. <i>Aquaculture Research</i> , 2016, 47, 4032-4037.	0.9	26
26	The role of seasonally altering photoperiod in regulating physiology in Atlantic cod ( <i>Gadus morhua</i> ). Part II. Somatic growth. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2007, 64, 98-112.	0.7	25
27	Ontogeny of the Circadian System During Embryogenesis in Rainbow Trout ( <i>Oncorhynchus</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 2 of <i>per1</i> , <i>clock</i> , and <i>aanat2</i> Expression. <i>Chronobiology International</i> , 2011, 28, 177-186.	0.9	25
28	Photoperiod effects on the expression of kisspeptin and gonadotropin genes in Atlantic cod, <i>Gadus morhua</i> , during first maturation. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2012, 163, 82-94.	0.8	22
29	Comparative study of pineal clock gene and AANAT2 expression in relation to melatonin synthesis in Atlantic salmon ( <i>Salmo salar</i> ) and European seabass ( <i>Dicentrarchus labrax</i> ). <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2014, 169, 77-89.	0.8	22
30	High temperature is detrimental to captive lumpfish ( <i>Cyclopterus lumpus</i> , L) reproductive performance. <i>Aquaculture</i> , 2020, 522, 735121.	1.7	19
31	Reproductive performance and offspring quality of non-ablated Pacific white shrimp ( <i>Litopenaeus</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 2	1.7	17
32	Seasonal changes in broodstock spawning performance and egg quality in ballan wrasse ( <i>Labrus</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2	1.7	16
33	The effect of combining shading and continuous lighting on the suppression of sexual maturation in outdoor-reared Atlantic cod, <i>Gadus morhua</i> . <i>Aquaculture</i> , 2011, 320, 113-122.	1.7	13
34	The physiological response of farmed ballan wrasse ( <i>Labrus bergylta</i> ) exposed to an acute stressor. <i>Aquaculture</i> , 2014, 434, 1-4.	1.7	10
35	Gender distribution, sexual size dimorphism and morphometric sexing in ballan wrasse <i>Labrus bergylta</i> . <i>Journal of Fish Biology</i> , 2014, 84, 1842-1862.	0.7	10
36	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

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37	Increased robustness of postlarvae and juveniles from non-ablated Pacific whiteleg shrimp, <i>Penaeus vannamei</i> , broodstock post-challenged with pathogenic isolates of <i>Vibrio parahaemolyticus</i> (VpAHPND) and white spot disease (WSD). <i>Aquaculture</i> , 2021, 532, 736033.	1.7	10
38	Influence of tidal cycles on the endocrine control of reproductive activity in common snook ( <i>Centropomus undecimalis</i> ). <i>General and Comparative Endocrinology</i> , 2015, 224, 247-259.	0.8	9
39	Elevated temperature promotes growth and feed efficiency of farmed ballan wrasse juveniles ( <i>Labrus</i> ) Tj ETQq1 1 0,784314 rgBT /Ove	1.7	9
40	Enriching <i>Artemia</i> nauplii with selenium from different sources and interactions with essential fatty acid incorporation. <i>Aquaculture</i> , 2020, 520, 734677.	1.7	7
41	Effects of light regime on diurnal plasma melatonin levels and vertical distribution in farmed Atlantic cod ( <i>Gadus morhua</i> L.). <i>Aquaculture</i> , 2013, 414-415, 280-287.	1.7	6
42	The evolution of apolipoprotein B and its mRNA editing complex. Does the lack of editing contribute to hypertriglyceridemia?. <i>Gene</i> , 2018, 641, 46-54.	1.0	6
43	Temperature-induced testicular germ cell loss and recovery in Nile tilapia <i>Oreochromis niloticus</i> . <i>General and Comparative Endocrinology</i> , 2019, 283, 113227.	0.8	6
44	Short-term lecithin enrichments can enhance the phospholipid and DHA contents of the polar lipid fraction of <i>Artemia</i> nauplii. <i>Aquaculture</i> , 2019, 510, 122-130.	1.7	6
45	Short term cold storage and sperm concentration assessment of lumpfish ( <i>Cyclopterus lumpus</i> L) Milt. <i>Aquaculture</i> , 2020, 529, 735646.	1.7	6
46	Deformities prevalence in farmed ballan wrasse ( <i>Labrus bergylta</i> ) in relation to hatchery origin and life stage. <i>Aquaculture</i> , 2021, 533, 736212.	1.7	6
47	Plant-based protein ingredients can successfully replace fish meal in the diet of ballan wrasse ( <i>LABRUS BERGYLTA</i> ) juveniles. <i>Aquaculture</i> , 2022, 546, 737419.	1.7	6
48	Removal of the adhesive gum layer surrounding naturally fertilised ballan wrasse ( <i>Labrus bergylta</i> ) eggs. <i>Aquaculture</i> , 2016, 456, 44-49.	1.7	5
49	Investigating the kisspeptin system in the hermaphrodite teleost gilthead seabream ( <i>Sparus aurata</i> ). <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2020, 241, 110624.	0.8	5
50	Are Shell Strength Phenotypic Traits in Mussels Associated with Species Alone?. <i>Aquaculture Journal</i> , 2021, 1, 3-13.	0.7	5
51	Comparative proximate analysis of wild and captive lumpfish ( <i>Cyclopterus lumpus</i> ) eggs show deficiencies in captive eggs and possible egg quality determinants. <i>Aquaculture</i> , 2022, 557, 738356.	1.7	5
52	Broodstock spawning and larviculture of whiting ( <i>Merlangius merlangus</i> L.) reared in captivity. <i>Aquaculture Research</i> , 2011, 42, 386-398.	0.9	4
53	Isolation, identification and characterisation of ballan wrasse <i>Labrus bergylta</i> plasma pigment. <i>Journal of Fish Biology</i> , 2016, 89, 2070-2084.	0.7	4
54	Bacterial Communities of Ballan Wrasse ( <i>Labrus bergylta</i> ) Eggs at a Commercial Marine Hatchery. <i>Current Microbiology</i> , 2021, 78, 114-124.	1.0	4

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55	Pre-deployment acclimatisation of farmed ballan wrasse ( <i>Labrus bergylta</i> ) to sea-cage conditions promotes behaviour analogous to wild conspecifics when used as cleaner fish in Atlantic salmon ( <i>Salmo salar</i> ) farms. <i>Aquaculture</i> , 2020, 520, 734771.	1.7	3
56	Novel atypical <i>Aeromonas salmonicida</i> bath challenge model for juvenile ballan wrasse ( <i>Labrus</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 70	0.9	3
57	The effect of metal halide and novel green cathode lights on the stress response, innate immunity, eye structure and feeding activity of Atlantic cod, <i>Gadus morhua</i> L.. <i>Aquaculture Research</i> , 2011, 42, 115-124.	0.9	2
58	Development of diagnostic assays for differentiation of atypical <i>Aeromonas salmonicida</i> vapA type V and type VI in ballan wrasse ( <i>Labrus bergylta</i> , <i>Ascanius</i> ). <i>Journal of Fish Diseases</i> , 2021, 44, 711-719.	0.9	2
59	Efficacy testing of an immersion vaccine against <i>Aeromonas salmonicida</i> and immunocompetence in ballan wrasse ( <i>Labrus bergylta</i> , <i>Ascanius</i> ). <i>Fish and Shellfish Immunology</i> , 2021, 121, 505-505.	1.6	1