Neil John Duncan

List of Publications by Year
in descending order

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72	1,793	257357 24	302012 39
papers	citations	h-index	g-index

78	78	78	1633
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Gonadotropin induction of spermiation in Senegalese sole: Effect of temperature and stripping time. Aquaculture, 2022, 550, 737844.	1.7	0
2	Recombinant Fsh and Lh therapy for spawning induction of previtellogenic and early spermatogenic arrested teleost, the flathead grey mullet (Mugil cephalus). Scientific Reports, 2022, 12, 6563.	1.6	11
3	Is it possible to store spotted wolffish (Anarhichas minor) sperm by refrigeration?. Fish Physiology and Biochemistry, 2021, 47, 725-735.	0.9	4
4	Low sperm to egg ratio required for successful in vitro fertilization in a pair-spawning teleost, Senegalese sole (Solea senegalensis). Royal Society Open Science, 2021, 8, 201718.	1.1	2
5	Providing recombinant gonadotropin-based therapies that induce oogenesis from previtellogenic oocytes to produce viable larvae in a teleost, the flathead grey mullet (Mugil cephalus). Aquaculture, 2021, 536, 736418.	1.7	15
6	The feasibility of using gas mixture to stun seabream (Sparus aurata) before slaughtering in aquaculture production. Aquaculture, 2021, 545, 737168.	1.7	5
7	Linking stress coping styles with brain mRNA abundance of selected transcripts for Senegalese sole (Solea senegalensis) juveniles. Physiology and Behavior, 2020, 213, 112724.	1.0	10
8	Parentage assignment, estimates of heritability and genetic correlation for growth-related traits in meagre Argyrosomus regius. Aquaculture, 2020, 518, 734663.	1.7	11
9	The presence of wild Senegalese sole breeders improves courtship and reproductive success in cultured conspecifics. Aquaculture, 2020, 519, 734922.	1.7	8
10	Sperm contamination by urine in Senegalese sole (Solea senegalensis) and the use of extender solutions for short-term chilled storage. Aquaculture, 2020, 516, 734649.	1.7	13
11	Senegalese sole (Solea senegalensis) coping styles are consistent over time: behavioural and physiological responses during ontogenesis. Physiology and Behavior, 2020, 217, 112803.	1.0	7
12	Exploring the relationship between stress coping styles and sex, origin and reproductive success, in Senegalese sole (Solea senegalensis) breeders in captivity. Physiology and Behavior, 2020, 220, 112868.	1.0	5
13	Reproductive performance of captive Senegalese sole, Solea senegalensis, according to the origin (wild or cultured) and gender. Spanish Journal of Agricultural Research, 2020, 17, e0608.	0.3	9
14	Reproductive success of a marine teleost was correlated with proactive and reactive stressâ€coping styles. Journal of Fish Biology, 2019, 94, 402-413.	0.7	15
15	Gamete quality and management for in vitro fertilisation in meagre (Argyrosomus regius). Aquaculture, 2019, 509, 227-235.	1.7	13
16	Artificial sex reversal of white grouper (Epinephelus aeneus) utilizing aromatase inhibitor (Fadrozole). Aquaculture Research, 2019, 50, 1539-1546.	0.9	8
17	Mating Behaviour. , 2019, , 169-184.		1
18	Muscle and liver transcriptome characterization and genetic marker discovery in the farmed meagre, Argyrosomus regius. Marine Genomics, 2018, 39, 39-44.	0.4	4

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19	Seasonal-and dose-dependent effects of recombinant gonadotropins on sperm production and quality in the flatfish Solea senegalensis. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2018, 225, 59-64.	0.8	15
20	Paired spawning with male rotation of meagre Argyrosomus regius using GnRHa injections, as a method for producing multiple families for breeding selection programs. Aquaculture, 2018, 495, 506-512.	1.7	10
21	Hormonal manipulations for the enhancement of sperm production in cultured fish and evaluation of sperm quality. Aquaculture, 2017, 472, 21-44.	1.7	110
22	Olfactory sensitivity of the marine flatfishSolea senegalensisto conspecific body fluids. Journal of Experimental Biology, 2017, 220, 2057-2065.	0.8	10
23	Ontogeny and modulation after PAMPs stimulation of Î²-defensin, hepcidin, and piscidin antimicrobial peptides in meagre (Argyrosomus regius). Fish and Shellfish Immunology, 2017, 69, 200-210.	1.6	40
24	Toward developing recombinant gonadotropin-based hormone therapies for increasing fertility in the flatfish Senegalese sole. PLoS ONE, 2017, 12, e0174387.	1.1	28
25	Dominance behaviour in a non-aggressive flatfish, Senegalese sole (Solea senegalensis) and brain mRNA abundance of selected transcripts. PLoS ONE, 2017, 12, e0184283.	1.1	14
26	Characterization of stress coping style in Senegalese sole (Solea senegalensis) juveniles and breeders for aquaculture. Royal Society Open Science, 2016, 3, 160495.	1.1	24
27	Plasma levels of follicle-stimulating and luteinizing hormones during the reproductive cycle of wild and cultured Senegalese sole (Solea senegalensis). Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2016, 191, 35-43.	0.8	29
28	Transcriptomic profiles of the upper olfactory rosette in cultured and wild Senegalese sole (Solea) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 20, 125-135.	0.4	40
29	Enhancement of oogenesis/spermatogenesis in meagre Argyrosomus regius using a combination of temperature control and GnRHa treatments. Aquaculture, 2016, 464, 323-330.	1.7	22
30	New developments and biological insights into the farming of Solea senegalensis reinforcing its aquaculture potential. Reviews in Aquaculture, 2016, 8, 227-263.	4.6	86
31	Reproductive ethogram and mate selection in captive wild Senegalese sole (Solea senegalensis). Spanish Journal of Agricultural Research, 2016, 14, e0401.	0.3	16
32	Effects of Weather Variability on Crop Abandonment. Sustainability, 2015, 7, 2858-2870.	1.6	9
33	Diplectanum sciaenae (Van Beneden & Hesse, 1863) (Monogenea) infecting meagre, Argyrosomus regius (Asso, 1801) broodstock in Catalonia, Spain. A case report. Veterinary Parasitology: Regional Studies and Reports, 2015, 1-2, 75-79.	0.3	7
34	Dietary fatty acid composition significantly influenced the proactiveâ€“reactive behaviour of Senegalese sole (Solea senegalensis) post-larvae. Applied Animal Behaviour Science, 2015, 171, 233-240.	0.8	10
35	Reproduction of hatchery-produced meagre Argyrosomus regius in captivity III. Comparison between GnRHa implants and injections on spawning kinetics and egg/larval performance parameters. Aquaculture, 2015, 448, 44-53.	1.7	18
36	Mating behaviour and gamete release in gilthead seabream (Sparus aurata, Linnaeus 1758) held in captivity. Spanish Journal of Agricultural Research, 2015, 13, e0401.	0.3	14

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37	Dose-dependent effect of a single GnRHa injection on the spawning of meagre (Argyrosomus regius) broodstock reared in captivity. Spanish Journal of Agricultural Research, 2014, 12, 1038.	0.3	18
38	Effects of graded levels of arachidonic acid on the reproductive physiology of Senegalese sole (Solea) Tj ETQq0 0 0 rgBT /Overlock 10 Tf bred in captivity. General and Comparative Endocrinology, 2013, 191, 92-101.	0.8	48
39	Dietary modulation of arachidonic acid metabolism in senegalese sole (Solea Senegalensis) broodstock reared in captivity. Aquaculture, 2013, 372-375, 80-88.	1.7	44
40	The effect of night illumination, red and infrared light, on locomotor activity, behaviour and melatonin of Senegalese sole (Solea senegalensis) broodstock. Physiology and Behavior, 2013, 118, 201-207.	1.0	22
41	Principles of finfish broodstock management in aquaculture: control of reproduction and genetic improvement. , 2013, , 23-75.		16
42	Aquaculture production of meagre (Argyrosomus regius): hatchery techniques, ongrowing and market. , 2013, , 519-541.		30
43	Follicle-Stimulating Hormone and Luteinizing Hormone Mediate the Androgenic Pathway in Leydig Cells of an Evolutionary Advanced Teleost1. Biology of Reproduction, 2012, 87, 35.	1.2	64
44	Reproductive development, GnRHa-induced spawning and egg quality of wild meagre (Argyrosomus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.9	44
45	Proximate and fatty acid compositions in muscle, liver and gonads of wild versus cultured broodstock of Senegalese sole (Solea senegalensis). Aquaculture, 2012, 356-357, 176-185.	1.7	33
46	Self-selection of diets with different contents of arachidonic acid by Senegalese sole (Solea) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382 T	1.7	33
47	Efecto de la temperatura y salinidad del agua en la incubaciÃ³n de huevos de botete diana Sphoeroides annulatus. Revista De Biologia Marina Y Oceanografia, 2012, 47, 147-153.	0.1	4
48	Prostaglandin (F and E, 2- and 3-series) production and cyclooxygenase (COX-2) gene expression of wild and cultured broodstock of senegalese sole (Solea senegalensis). General and Comparative Endocrinology, 2012, 177, 256-262.	0.8	30
49	An intensive hatchery rearing protocol for larvae of the bullseye puffer, Sphoeroides annulatus (Jenyns). Aquaculture Research, 2010, 41, no-no.	0.9	4
50	Physiological stress responses of sea bass (Dicentrarchus labrax) to hydrogen peroxide (H2O2) exposure. Aquaculture, 2010, 304, 104-107.	1.7	48
51	Influence of the lunar cycle on plasma melatonin, vitellogenin and sex steroids rhythms in Senegal sole, Solea senegalensis. Aquaculture, 2010, 306, 343-347.	1.7	27
52	Permanent Genetic Resources added to Molecular Ecology Resources Database 1 April 2010 â€“ 31 May 2010. Molecular Ecology Resources, 2010, 10, 1098-1105.	2.2	71
53	Reproductive cycle of female yellow snapperLutjanus argentiventris(Pisces, Actinopterygii,) Tj ETQq1 1 0.784314 rgBT /Overlock maturity. Journal of Applied Ichthyology, 2009, 25, 18-25.	0.3	18
54	Effect of the dusk photoperiod change from light to dark on the incubation period of eggs of the spotted rose snapper, Lutjanus guttatus (Steindachner). Aquaculture Research, 2008, 39, 427-433.	0.9	6

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55	Reproduction and Control of Ovulation, Spermiation and Spawning in Cultured Fish. Marine Biology, 2008, , 3-80.	0.1	13
56	GnRHa-induced spawning of wild-caught spotted rose snapper Lutjanus guttatus. Aquaculture, 2007, 272, 737-746.	1.7	49
57	Treatment of GnRHa-implanted Senegalese sole (Solea senegalensis) with 11-ketoandrostenedione stimulates spermatogenesis and increases sperm motility. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2007, 147, 885-892.	0.8	40
58	Effect of LHRHa on the expression of stress-related molecules in the ovary of wild caught Sphoeroides annulatus held in captivity. Journal of Fish Biology, 2005, 67, 582-588.	0.7	1
59	Patterns of Occurrence of the Platyhelminth Parasites of the Wild Bullseye Puffer (Sphoeroides) Tj ETQq1 1 0.784314 rgBT /Overlock	0.3	17
60	Effect of water treatment and aeration on the percentage hatch of demersal, adhesive eggs of the bullseye puffer (Sphoeroides annulatus). Aquaculture, 2004, 229, 147-158.	1.7	24
61	Expression of a glycoprotein hormone receptor gene in the ovary of the bullseye puffer (Sphoeroides) Tj ETQq1 1 0.784314 rgBT /Ove	0.9	0
62	Reproductive biology of captive bullseye puffer (Sphoeroides annulatus), LHRHa induced spawning and egg quality. Fish Physiology and Biochemistry, 2003, 28, 505-506.	0.9	7
63	Comparison of egg quality between wild and captive bullseye puffer (Sphoeroides annulatus). Fish Physiology and Biochemistry, 2003, 28, 509-510.	0.9	6
64	Partial cloning and expression of the cyclin B gene in the ovary of the bullseye puffer (Sphoeroides) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 211-216.	1.3	6
65	Effects of controlled delivery and acute injections of LHRHa on bullseye puffer fish (Sphoeroides) Tj ETQq1 1 0.784314 rgBT /Overlock	1.7	44
66	Seawater growth and maturation of Atlantic salmon (Salmo salar) transferred to sea at different times during the year. Aquaculture, 2002, 213, 293-309.	1.7	17
67	Temperature, light intensity and plasma melatonin levels in juvenile Atlantic salmon. Journal of Fish Biology, 2001, 58, 431-438.	0.7	58
68	Post-smolt growth and maturation of out-of-season 0+ Atlantic salmon (Salmo salar) reared under different photoperiods. Aquaculture, 1999, 177, 61-71.	1.7	40
69	The use of cage lighting to reduce plasma melatonin in Atlantic salmon (Salmo salar) and its effects on the inhibition of grilsing. Aquaculture, 1999, 176, 237-244.	1.7	128
70	Growth, maturation and survival of out-of-season 0+ and 1+ Atlantic salmon (Salmo salar) smolts. Aquaculture, 1998, 168, 325-339.	1.7	39
71	The effect of different periods of constant short days on smoltification in juvenile Atlantic salmon (Salmo salar).. Aquaculture, 1998, 168, 369-386.	1.7	33
72	The use of photoperiod in the production of out-of-season Atlantic salmon (Salmo salar) smolts. Aquaculture, 1994, 121, 29-44.	1.7	64