

Sofã-a Ad Engrola

List of Publications by Year in descending order

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74
papers

1,884
citations

236833

25
h-index

289141

40
g-index

75
all docs

75
docs citations

75
times ranked

1769
citing authors

#	ARTICLE	IF	CITATIONS
1	What determines growth potential and juvenile quality of farmed fish species?. <i>Reviews in Aquaculture</i> , 2013, 5, S168.	4.6	147
2	Individual differences in cortisol levels and behaviour of Senegalese sole (<i>Solea senegalensis</i>) juveniles: Evidence for coping styles. <i>Applied Animal Behaviour Science</i> , 2010, 124, 75-81.	0.8	102
3	New developments and biological insights into the farming of <i>Solea senegalensis</i> reinforcing its aquaculture potential. <i>Reviews in Aquaculture</i> , 2016, 8, 227-263.	4.6	86
4	Temperature affects methylation of the <i>myogenin</i> putative promoter, its expression and muscle cellularity in Senegalese sole larvae. <i>Epigenetics</i> , 2013, 8, 389-397.	1.3	82
5	Co-feeding in Senegalese sole larvae with inert diet from mouth opening promotes growth at weaning. <i>Aquaculture</i> , 2009, 288, 264-272.	1.7	81
6	Individual differences in metabolism predict coping styles in fish. <i>Applied Animal Behaviour Science</i> , 2011, 130, 135-143.	0.8	75
7	Nutritional physiology during development of Senegalese sole (<i>Solea senegalensis</i>). <i>Aquaculture</i> , 2007, 268, 64-81.	1.7	74
8	Improving weaning strategies for Senegalese sole: effects of body weight and digestive capacity. <i>Aquaculture Research</i> , 2007, 38, 696-707.	0.9	72
9	Incubation temperature induces changes in muscle cellularity and gene expression in Senegalese sole (<i>Solea senegalensis</i>). <i>Gene</i> , 2013, 516, 209-217.	1.0	58
10	Thermal plasticity of the miRNA transcriptome during Senegalese sole development. <i>BMC Genomics</i> , 2014, 15, 525.	1.2	58
11	Successful cryopreservation of sperm from sex-reversed dusky grouper, <i>Epinephelus marginatus</i> . <i>Aquaculture</i> , 2009, 287, 152-157.	1.7	54
12	Glucose metabolism and gene expression in juvenile zebrafish (<i>Danio rerio</i>) challenged with a high carbohydrate diet: effects of an acute glucose stimulus during late embryonic life. <i>British Journal of Nutrition</i> , 2015, 113, 403-413.	1.2	52
13	Comparing skeletal development of wild and hatchery-reared Senegalese sole (<i>Solea</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 40, 1585-1593.	0.9	49
14	Novel methodologies in marine fish larval nutrition. <i>Fish Physiology and Biochemistry</i> , 2010, 36, 1-16.	0.9	40
15	Alternative Proteins for Fish Diets: Implications beyond Growth. <i>Animals</i> , 2022, 12, 1211.	1.0	38
16	Glucose overload in yolk has little effects on the long term modulation of carbohydrate metabolic genes in zebrafish (<i>Danio rerio</i>). <i>Journal of Experimental Biology</i> , 2014, 217, 1139-49.	0.8	37
17	High-glucose feeding of gilthead seabream (<i>Sparus aurata</i>) larvae: Effects on molecular and metabolic pathways. <i>Aquaculture</i> , 2016, 451, 241-253.	1.7	35
18	Effect of varying dietary levels of LC-PUFA and vegetable oil sources on performance and fatty acids of Senegalese sole post larvae: Puzzling results suggest complete biosynthesis pathway from C18 PUFA to DHA. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2014, 167, 51-58.	0.7	34

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19	Dietary glucose stimulus at larval stage modifies the carbohydrate metabolic pathway in gilthead seabream (<i>Sparus aurata</i>) juveniles: An in vivo approach using ¹⁴ C-starch. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2016, 201, 189-199.	0.8	33
20	Senegalese sole larvae growth and protein utilization is depressed when co-fed high levels of inert diet and <i>Artemia</i> since first feeding. <i>Aquaculture Nutrition</i> , 2010, 16, 457-465.	1.1	32
21	Co-feeding of inert diet from mouth opening does not impair protein utilization by Senegalese sole (<i>Solea senegalensis</i>) larvae. <i>Aquaculture</i> , 2009, 287, 185-190.	1.7	31
22	Optimization of monoclonal production of the glass anemone <i>Aiptasia pallida</i> (Agassiz in Verrill). <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6</i>	1.7	31
23	How tryptophan levels in plant-based aquafeeds affect fish physiology, metabolism and proteome. <i>Journal of Proteomics</i> , 2020, 221, 103782.	1.2	30
24	Antemortem versus postmortem methods for detection of betanodavirus in Senegalese sole (<i>Solea</i>). <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6</i>	0.5	28
25	Towards an early weaning in Senegalese sole: A historical review. <i>Aquaculture</i> , 2018, 496, 1-9.	1.7	28
26	Effect of increased rearing temperature on digestive function in cobia early juvenile. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2019, 230, 71-80.	0.8	28
27	The role of dietary methionine concentrations on growth, metabolism and N-retention in cobia (<i>Rachycentron canadum</i>) at elevated water temperatures. <i>Aquaculture Nutrition</i> , 2019, 25, 495-507.	1.1	24
28	Co-feeding of live feed and inert diet from first-feeding affects <i>Artemia</i> lipid digestibility and retention in Senegalese sole (<i>Solea senegalensis</i>) larvae. <i>Aquaculture</i> , 2009, 296, 284-291.	1.7	23
29	Thermal conditions during larval pelagic phase influence subsequent somatic growth of Senegalese sole by modulating gene expression and muscle growth dynamics. <i>Aquaculture</i> , 2013, 414-415, 46-55.	1.7	20
30	Optimizing diets to decrease environmental impact of Nile tilapia (<i>Oreochromis niloticus</i>) production. <i>Aquaculture Nutrition</i> , 2020, 26, 422-431.	1.1	20
31	Larval dietary protein complexity affects the regulation of muscle growth and the expression of DNA methyltransferases in Senegalese sole. <i>Aquaculture</i> , 2018, 491, 28-38.	1.7	19
32	The supplementation of a microdiet with crystalline indispensable amino-acids affects muscle growth and the expression pattern of related genes in Senegalese sole (<i>Solea senegalensis</i>) larvae. <i>Aquaculture</i> , 2016, 458, 158-169.	1.7	18
33	Dietary protein complexity modulates growth, protein utilisation and the expression of protein digestion-related genes in Senegalese sole larvae. <i>Aquaculture</i> , 2017, 479, 273-284.	1.7	18
34	Cortisol response to air exposure in <i>Solea senegalensis</i> post-larvae is affected by dietary arachidonic acid-to-eicosapentaenoic acid ratio. <i>Fish Physiology and Biochemistry</i> , 2011, 37, 733-743.	0.9	17
35	Rearing larvae of dusky grouper, <i>Epinephelus marginatus</i> (Lowe, 1834), (Pisces: Serranidae) in a semi-extensive mesocosm. <i>Scientia Marina</i> , 2009, 73, 201-212.	0.3	15
36	Assessment of protein digestive capacity and metabolic utilisation during ontogeny of Senegalese sole larvae: A tracer study using in vivo produced radiolabelled polypeptide fractions. <i>Aquaculture</i> , 2015, 441, 35-44.	1.7	14

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37	Partition and metabolic fate of dietary glycerol in muscles and liver of juvenile tilapia. Archives of Animal Nutrition, 2017, 71, 165-174.	0.9	14
38	Dietary methionine supplementation improves the European seabass (<i>Dicentrarchus labrax</i>) immune status following long-term feeding on fishmeal-free diets. British Journal of Nutrition, 2020, 124, 890-902.	1.2	14
39	Rearing temperature affects Senegalese sole (<i>Solea senegalensis</i>) larvae protein metabolic capacity. Fish Physiology and Biochemistry, 2013, 39, 1485-1496.	0.9	13
40	Microalgae as feed ingredients for livestock production and aquaculture. , 2021, , 239-312.		13
41	Daily oxygen consumption rhythms of Senegalese sole <i>solea senegalensis</i> (Kaup, 1858) juveniles. Journal of Experimental Marine Biology and Ecology, 2011, 407, 1-5.	0.7	12
42	Metabolic and nutritional responses of Nile tilapia juveniles to dietary methionine sources. British Journal of Nutrition, 2022, 127, 202-213.	1.2	12
43	Improvement of the cryopreservation protocols for the dusky grouper, <i>Epinephelus marginatus</i> . Aquaculture, 2017, 470, 207-213.	1.7	11
44	Ghrelin in Senegalese sole (<i>Solea senegalensis</i>) post-larvae: Paracrine effects on food intake. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2017, 204, 85-92.	0.8	11
45	Improving growth potential in Senegalese sole (<i>Solea senegalensis</i>) through dietary protein. Aquaculture, 2019, 498, 90-99.	1.7	11
46	Dietary tryptophan supplementation induces a transient immune enhancement of gilthead seabream (<i>Sparus aurata</i>) juveniles fed fishmeal-free diets. Fish and Shellfish Immunology, 2019, 93, 240-250.	1.6	11
47	Weaning of Senegalese sole (<i>Solea senegalensis</i>) postlarvae to an inert diet with a co-feeding regime. Ciencias Marinas, 2005, 31, 327-337.	0.4	11
48	Can Senegalese sole post-larvae effectively grow on low dietary DHA and lipid levels during weaning?. Aquaculture, 2016, 463, 234-240.	1.7	10
49	Nutritional Modulation of Marine Fish Larvae Performance. , 2018, , 209-228.		10
50	Health status in gilthead seabream (<i>Sparus aurata</i>) juveniles fed diets devoid of fishmeal and supplemented with <i>Phaeodactylum tricornutum</i> . Journal of Applied Phycology, 2021, 33, 979-996.	1.5	10
51	Dietary Curcumin Promotes Gilthead Seabream Larvae Digestive Capacity and Modulates Oxidative Status. Animals, 2021, 11, 1667.	1.0	10
52	Molecular regulation of muscle development and growth in Senegalese sole larvae exposed to temperature fluctuations. Aquaculture, 2014, 432, 418-425.	1.7	9
53	Dietary indispensable amino acids profile affects protein utilization and growth of Senegalese sole larvae. Fish Physiology and Biochemistry, 2016, 42, 1493-1508.	0.9	9
54	Dietary Antioxidant Supplementation Promotes Growth in Senegalese Sole Postlarvae. Frontiers in Physiology, 2020, 11, 580600.	1.3	9

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55	Daily feeding and protein metabolism rhythms in Senegalese sole post-larvae. <i>Biology Open</i> , 2017, 6, 77-82.	0.6	8
56	Daily dynamic of digestive processes in Senegalese sole (<i>Solea senegalensis</i>) larvae and post-larvae. <i>Aquaculture</i> , 2018, 493, 100-106.	1.7	7
57	A nutritional strategy to promote gilthead seabream performance under low temperatures. <i>Aquaculture</i> , 2021, 537, 736494.	1.7	7
58	AvanÃ§os recentes em nutriÃ§Ã£o de larvas de peixes. <i>Revista Brasileira De Zootecnia</i> , 2009, 38, 26-35.	0.3	6
59	The effect of tank cover on welfare of farmed Nile tilapia. <i>Applied Animal Behaviour Science</i> , 2021, 241, 105396.	0.8	6
60	Transition from endogenous to exogenous feeding in hatchery-cultured European eel larvae. <i>Aquaculture Reports</i> , 2022, 24, 101159.	0.7	6
61	Daily nutrient utilization and swimming activity patterns in Senegalese sole (<i>Solea senegalensis</i>) post-larvae. <i>Aquaculture</i> , 2018, 492, 164-169.	1.7	5
62	Effects of dietary curcumin in growth performance, oxidative status and gut morphometry and function of gilthead seabream postlarvae. <i>Aquaculture Reports</i> , 2022, 24, 101128.	0.7	5
63	Does a ghrelin stimulus during zebrafish embryonic stage modulate its performance on the long-term?. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2019, 228, 1-8.	0.8	4
64	Type of hormonal treatment administered to induce vitellogenesis in European eel influences biochemical composition of eggs and yolk-sac larvae. <i>Fish Physiology and Biochemistry</i> , 2022, 48, 185-200.	0.9	4
65	Exploring the Biotechnological Value of Marine Invertebrates: A Closer Look at the Biochemical and Antioxidant Properties of <i>Sabella spallanzanii</i> and <i>Microcosmus squamiger</i> . <i>Animals</i> , 2021, 11, 3557.	1.0	4
66	Metabolic Fate Is Defined by Amino Acid Nature in Gilthead Seabream Fed Different Diet Formulations. <i>Animals</i> , 2022, 12, 1713.	1.0	4
67	Dietary Natural Plant Extracts Can Promote Growth and Modulate Oxidative Status of Senegalese Sole Postlarvae under Standard/Challenge Conditions. <i>Animals</i> , 2021, 11, 1398.	1.0	3
68	Amino Acid Metabolism in Gilthead Seabream Is Affected by the Dietary Protein to Energy Ratios. <i>Aquaculture Nutrition</i> , 2022, 2022, 1-10.	1.1	3
69	Characterization and comparison of the digestive physiology of two scombrids, <i>Katsuwonus pelamis</i> and <i>Sarda sarda</i> , in the Gulf of CÃ¡diz. <i>PLoS ONE</i> , 2021, 16, e0249541.	1.1	2
70	Assessment of protein digestive capacity and utilisation during ontogeny of Senegalese sole larvae: a tracer study using in vivo produced radiolabelled peptide fractions. <i>Communications in Agricultural and Applied Biological Sciences</i> , 2013, 78, 396-7.	0.0	2
71	Modulation of dietary protein to lipid ratios for gilthead seabream on-growing during summer temperature conditions. <i>Aquaculture Reports</i> , 2022, 25, 101262.	0.7	2
72	Egg nutritional modulation with amino acids improved performance in zebrafish larvae. <i>PLoS ONE</i> , 2021, 16, e0248356.	1.1	1

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73	Larval Production Techniques. , 2019, , 263-275.		1
74	Linking weaning success to larval digestive capacity using radiolabelled peptide fractions. Communications in Agricultural and Applied Biological Sciences, 2013, 78, 115-8.	0.0	1