SofÃ-a Ad Engrola

List of Publications by Year
in descending order

74 papers	1,884 citations	236925 25 h-index	289244 40 g-index
75 all docs	75 docs citations	75 times ranked	1769 citing authors

#	Article	IF	Citations
1	Metabolic and nutritional responses of Nile tilapia juveniles to dietary methionine sources. British Journal of Nutrition, 2022, 127, 202-213.	2.3	12
2	Type of hormonal treatment administered to induce vitellogenesis in European eel influences biochemical composition of eggs and yolk-sac larvae. Fish Physiology and Biochemistry, 2022, 48, 185-200.	2.3	4
3	Effects of dietary curcumin in growth performance, oxidative status and gut morphometry and function of gilthead seabream postlarvae. Aquaculture Reports, 2022, 24, 101128.	1.7	5
4	Alternative Proteins for Fish Diets: Implications beyond Growth. Animals, 2022, 12, 1211.	2.3	38
5	Amino Acid Metabolism in Gilthead Seabream Is Affected by the Dietary Protein to Energy Ratios. Aquaculture Nutrition, 2022, 2022, 1-10.	2.7	3
6	Transition from endogenous to exogenous feeding in hatchery-cultured European eel larvae. Aquaculture Reports, 2022, 24, 101159.	1.7	6
7	Metabolic Fate Is Defined by Amino Acid Nature in Gilthead Seabream Fed Different Diet Formulations. Animals, 2022, 12, 1713.	2.3	4
8	Modulation of dietary protein to lipid ratios for gilthead seabream on-growing during summer temperature conditions. Aquaculture Reports, 2022, 25, 101262.	1.7	2
9	Health status in gilthead seabream (Sparus aurata) juveniles fed diets devoid of fishmeal and supplemented with Phaeodactylum tricornutum. Journal of Applied Phycology, 2021, 33, 979-996.	2.8	10
10	Characterization and comparison of the digestive physiology of two scombrids, Katsuwonus pelamis and Sarda sarda, in the Gulf of CÃ¡diz. PLoS ONE, 2021, 16, e0249541.	2.5	2
11	Egg nutritional modulation with amino acids improved performance in zebrafish larvae. PLoS ONE, 2021, 16, e0248356.	2.5	1
12	Dietary Natural Plant Extracts Can Promote Growth and Modulate Oxidative Status of Senegalese Sole Postlarvae under Standard/Challenge Conditions. Animals, 2021, 11, 1398.	2.3	3
13	A nutritional strategy to promote gilthead seabream performance under low temperatures. Aquaculture, 2021, 537, 736494.	3.5	7
14	Dietary Curcumin Promotes Gilthead Seabream Larvae Digestive Capacity and Modulates Oxidative Status. Animals, 2021, 11, 1667.	2.3	10
15	The effect of tank cover on welfare of farmed Nile tilapia. Applied Animal Behaviour Science, 2021, 241, 105396.	1.9	6
16	Microalgae as feed ingredients for livestock production and aquaculture. , 2021, , 239-312.		13
17	Exploring the Biotechnological Value of Marine Invertebrates: A Closer Look at the Biochemical and Antioxidant Properties of Sabella spallanzanii and Microcosmus squamiger. Animals, 2021, 11, 3557.	2.3	4
18	Optimizing diets to decrease environmental impact of Nile tilapia (Oreochromis niloticus) production. Aquaculture Nutrition, 2020, 26, 422-431.	2.7	20

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19	Dietary Antioxidant Supplementation Promotes Growth in Senegalese Sole Postlarvae. Frontiers in Physiology, 2020, 11, 580600.	2.8	9
20	Dietary methionine supplementation improves the European seabass (Dicentrarchus labrax) immune status following long-term feeding on fishmeal-free diets. British Journal of Nutrition, 2020, 124, 890-902.	2.3	14
21	How tryptophan levels in plant-based aquafeeds affect fish physiology, metabolism and proteome. Journal of Proteomics, 2020, 221, 103782.	2.4	30
22	Improving growth potential in Senegalese sole (Solea senegalensis) through dietary protein. Aquaculture, 2019, 498, 90-99.	3.5	11
23	Dietary tryptophan supplementation induces a transient immune enhancement of gilthead seabream (Sparus aurata) juveniles fed fishmeal-free diets. Fish and Shellfish Immunology, 2019, 93, 240-250.	3.6	11
24	The role of dietary methionine concentrations on growth, metabolism and N-retention in cobia (Rachycentron canadum) at elevated water temperatures. Aquaculture Nutrition, 2019, 25, 495-507.	2.7	24
25	Effect of increased rearing temperature on digestive function in cobia early juvenile. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2019, 230, 71-80.	1.8	28
26	Does a ghrelin stimulus during zebrafish embryonic stage modulate its performance on the long-term?. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2019, 228, 1-8.	1.8	4
27	Larval Production Techniques. , 2019, , 263-275.		1
28	Larval dietary protein complexity affects the regulation of muscle growth and the expression of DNA methyltransferases in Senegalese sole. Aquaculture, 2018, 491, 28-38.	3.5	19
29	Daily nutrient utilization and swimming activity patterns in Senegalese sole (Solea senegalensis) post-larvae. Aquaculture, 2018, 492, 164-169.	3.5	5
30	Nutritional Modulation of Marine Fish Larvae Performance. , 2018, , 209-228.		10
31	Daily dynamic of digestive processes in Senegalese sole (Solea senegalensis) larvae and post-larvae. Aquaculture, 2018, 493, 100-106.	3.5	7
32	Towards an early weaning in Senegalese sole: A historical review. Aquaculture, 2018, 496, 1-9.	3.5	28
33	Daily feeding and protein metabolism rhythms in Senegalese sole post-larvae. Biology Open, 2017, 6, 77-82.	1.2	8
34	Improvement of the cryopreservation protocols for the dusky grouper, Epinephelus marginatus. Aquaculture, 2017, 470, 207-213.	3.5	11
35	Partition and metabolic fate of dietary glycerol in muscles and liver of juvenile tilapia. Archives of Animal Nutrition, 2017, 71, 165-174.	1.8	14
36	Dietary protein complexity modulates growth, protein utilisation and the expression of protein digestion-related genes in Senegalese sole larvae. Aquaculture, 2017, 479, 273-284.	3.5	18

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37	Ghrelin in Senegalese sole (Solea senegalensis) post-larvae: Paracrine effects on food intake. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2017, 204, 85-92.	1.8	11
38	The supplementation of a microdiet with crystalline indispensable amino-acids affects muscle growth and the expression pattern of related genes in Senegalese sole (Solea senegalensis) larvae. Aquaculture, 2016, 458, 158-169.	3.5	18
39	Dietary indispensable amino acids profile affects protein utilization and growth of Senegalese sole larvae. Fish Physiology and Biochemistry, 2016, 42, 1493-1508.	2.3	9
40	Dietary glucose stimulus at larval stage modifies the carbohydrate metabolic pathway in gilthead seabream (Sparus aurata) juveniles: An in vivo approach using 14C-starch. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2016, 201, 189-199.	1.8	33
41	Can Senegalese sole post-larvae effectively grow on low dietary DHA and lipid levels during weaning?. Aquaculture, 2016, 463, 234-240.	3.5	10
42	New developments and biological insights into the farming of Solea senegalensis reinforcing its aquaculture potential. Reviews in Aquaculture, 2016, 8, 227-263.	9.0	86
43	High-glucose feeding of gilthead seabream (Sparus aurata) larvae: Effects on molecular and metabolic pathways. Aquaculture, 2016, 451, 241-253.	3.5	35
44	Assessment of protein digestive capacity and metabolic utilisation during ontogeny of Senegalese sole larvae: A tracer study using in vivo produced radiolabelled polypeptide fractions. Aquaculture, 2015, 441, 35-44.	3.5	14
45	Glucose metabolism and gene expression in juvenile zebrafish (Danio rerio) challenged with a high carbohydrate diet: effects of an acute glucose stimulus during late embryonic life. British Journal of Nutrition, 2015, 113, 403-413.	2.3	52
46	Glucose overload in yolk has little effects on the long term modulation of carbohydrate metabolic genes in zebrafish (Danio rerio). Journal of Experimental Biology, 2014, 217, 1139-49.	1.7	37
47	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. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2014, 167, 51-58.	1.6	34
48	Thermal plasticity of the miRNA transcriptome during Senegalese sole development. BMC Genomics, 2014, 15, 525.	2.8	58
49	Molecular regulation of muscle development and growth in Senegalese sole larvae exposed to temperature fluctuations. Aquaculture, 2014, 432, 418-425.	3.5	9
50	Thermal conditions during larval pelagic phase influence subsequent somatic growth of Senegalese sole by modulating gene expression and muscle growth dynamics. Aquaculture, 2013, 414-415, 46-55.	3.5	20
51	What determines growth potential and juvenile quality of farmed fish species?. Reviews in Aquaculture, 2013, 5, S168.	9.0	147
52	Incubation temperature induces changes in muscle cellularity and gene expression in Senegalese sole (Solea senegalensis). Gene, 2013, 516, 209-217.	2.2	58
53	Rearing temperature affects Senegalese sole (Solea senegalensis) larvae protein metabolic capacity. Fish Physiology and Biochemistry, 2013, 39, 1485-1496.	2.3	13
54	Temperature affects methylation of themyogeninputative promoter, its expression and muscle cellularity in Senegalese sole larvae. Epigenetics, 2013, 8, 389-397.	2.7	82

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55	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
56	Assessment of protein digestive capacity and utilisation during ontogeny of Senegalese sole larvae: a tracer study using in vivo produced radiolabelled peptide fractions. Communications in Agricultural and Applied Biological Sciences, 2013, 78, 396-7.	0.0	2
57	Optimization of monoclonal production of the glass anemone Aiptasia pallida (Agassiz in Verrill,) Tj ETQq1 1 0.784314 rgBT /Overlock	3.5	31
58	Daily oxygen consumption rhythms of Senegalese sole solea senegalensis (Kaup, 1858) juveniles. Journal of Experimental Marine Biology and Ecology, 2011, 407, 1-5.	1.5	12
59	Individual differences in metabolism predict coping styles in fish. Applied Animal Behaviour Science, 2011, 130, 135-143.	1.9	75
60	Cortisol response to air exposure in Solea senegalensis post-larvae is affected by dietary arachidonic acid-to-eicosapentaenoic acid ratio. Fish Physiology and Biochemistry, 2011, 37, 733-743.	2.3	17
61	Novel methodologies in marine fish larval nutrition. Fish Physiology and Biochemistry, 2010, 36, 1-16.	2.3	40
62	Individual differences in cortisol levels and behaviour of Senegalese sole (Solea senegalensis) juveniles: Evidence for coping styles. Applied Animal Behaviour Science, 2010, 124, 75-81.	1.9	102
63	Senegalese sole larvae growth and protein utilization is depressed when co-fed high levels of inert diet and Artemia since first feeding. Aquaculture Nutrition, 2010, 16, 457-465.	2.7	32
64	AvanÃ§os recentes em nutriÃ§Ã£o de larvas de peixes. Revista Brasileira De Zootecnia, 2009, 38, 26-35.	0.8	6
65	Comparing skeletal development of wild and hatchery-reared Senegalese sole (Solea) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5 40, 1585-1593.	1.8	49
66	Successful cryopreservation of sperm from sex-reversed dusky grouper, Epinephelus marginatus. Aquaculture, 2009, 287, 152-157.	3.5	54
67	Co-feeding in Senegalese sole larvae with inert diet from mouth opening promotes growth at weaning. Aquaculture, 2009, 288, 264-272.	3.5	81
68	Co-feeding of live feed and inert diet from first-feeding affects Artemia lipid digestibility and retention in Senegalese sole (Solea senegalensis) larvae. Aquaculture, 2009, 296, 284-291.	3.5	23
69	Co-feeding of inert diet from mouth opening does not impair protein utilization by Senegalese sole (Solea senegalensis) larvae. Aquaculture, 2009, 287, 185-190.	3.5	31
70	Rearing larvae of dusky grouper, Epinephelus marginatus (Lowe, 1834), (Pisces: Serranidae) in a semi-extensive mesocosm. Scientia Marina, 2009, 73, 201-212.	0.6	15
71	Antemortem versus postmortem methods for detection of betanodavirus in Senegalese sole (Solea) Tj ETQq1 1 0.784314 rgBT /O	1.1	28
72	Nutritional physiology during development of Senegalese sole (Solea senegalensis). Aquaculture, 2007, 268, 64-81.	3.5	74

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73	Improving weaning strategies for Senegalese sole: effects of body weight and digestive capacity. Aquaculture Research, 2007, 38, 696-707.	1.8	72
74	Weaning of Senegalese sole (Solea senegalensis) postlarvae to an inert diet with a co-feeding regime. Ciencias Marinas, 2005, 31, 327-337.	0.4	11