

# Scar Monroig

## List of Publications by Year in descending order

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112  
papers

5,386  
citations

92079

37  
h-index

96001

68  
g-index

114  
all docs

114  
docs citations

114  
times ranked

3896  
citing authors

#	ARTICLE	IF	CITATIONS
1	Long-chain polyunsaturated fatty acid biosynthesis in chordates: Insights into the evolution of Fads and Elovl gene repertoire. <i>Progress in Lipid Research</i> , 2016, 62, 25-40.	12.1	332
2	Genes for de novo biosynthesis of omega-3 polyunsaturated fatty acids are widespread in animals. <i>Science Advances</i> , 2018, 4, eaar6849.	10.9	271
3	Vertebrate fatty acyl desaturase with $\Delta^4$ activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 16840-16845.	7.6	250
4	Biosynthesis of Polyunsaturated Fatty Acids in Marine Invertebrates: Recent Advances in Molecular Mechanisms. <i>Marine Drugs</i> , 2013, 11, 3998-4018.	4.6	237
5	Highly Unsaturated Fatty Acid Synthesis in Atlantic Salmon: Characterization of ELOVL5- and ELOVL2-like Elongases. <i>Marine Biotechnology</i> , 2009, 11, 627-639.	2.3	214
6	Physiological roles of fatty acyl desaturases and elongases in marine fish: Characterisation of cDNAs of fatty acyl $\Delta^6$ desaturase and elovl5 elongase of cobia ( <i>Rachycentron canadum</i> ). <i>Aquaculture</i> , 2009, 290, 122-131.	3.5	164
7	Desaturases and elongases involved in polyunsaturated fatty acid biosynthesis in aquatic invertebrates: a comprehensive review. <i>Fisheries Science</i> , 2018, 84, 911-928.	1.5	151
8	Elongation of long-chain fatty acids in rabbitfish <i>Siganus canaliculatus</i> : Cloning, functional characterisation and tissue distribution of Elovl5- and Elovl4-like elongases. <i>Aquaculture</i> , 2012, 350-353, 63-70.	3.5	136
9	Functional Desaturase Fads1 ( $\Delta^5$ ) and Fads2 ( $\Delta^6$ ) Orthologues Evolved before the Origin of Jawed Vertebrates. <i>PLoS ONE</i> , 2012, 7, e31950.	2.5	124
10	Multiple genes for functional $\Delta^6$ fatty acyl desaturases (Fad) in Atlantic salmon ( <i>Salmo salar</i> L.): Gene and cDNA characterization, functional expression, tissue distribution and nutritional regulation. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2010, 1801, 1072-1081.	2.6	121
11	Delta-8 desaturation activity varies among fatty acyl desaturases of teleost fish: High activity in delta-6 desaturases of marine species. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2011, 159, 206-213.	1.7	121
12	Expression of long-chain polyunsaturated fatty acid (LC-PUFA) biosynthesis genes during zebrafish <i>Danio rerio</i> early embryogenesis. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2009, 1791, 1093-1101.	2.6	110
13	Two alternative pathways for docosahexaenoic acid (DHA, 22:6n-3) biosynthesis are widespread among teleost fish. <i>Scientific Reports</i> , 2017, 7, 3889.	3.4	105
14	Expression and role of Elovl4 elongases in biosynthesis of very long-chain fatty acids during zebrafish <i>Danio rerio</i> early embryonic development. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2010, 1801, 1145-1154.	2.6	103
15	Diversification of substrate specificities in teleostei Fads2: characterization of $\Delta^4$ and $\Delta^6\Delta^5$ desaturases of <i>Chirostoma estor</i> . <i>Journal of Lipid Research</i> , 2014, 55, 1408-1419.	4.2	91
16	Regulation of long-chain polyunsaturated fatty acid biosynthesis in teleost fish. <i>Progress in Lipid Research</i> , 2021, 82, 101095.	12.1	87
17	Biosynthesis of long-chain polyunsaturated fatty acids in marine fish: Characterization of an Elovl4-like elongase from cobia <i>Rachycentron canadum</i> and activation of the pathway during early life stages. <i>Aquaculture</i> , 2011, 312, 145-153.	3.5	85
18	Biosynthesis of very long-chain fatty acids ( $>24$ ) 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.	1.7	84

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19	Functional characterization and differential nutritional regulation of putative Elovl5 and Elovl4 elongases in large yellow croaker ( <i>Larimichthys crocea</i> ). <i>Scientific Reports</i> , 2017, 7, 2303.	3.4	84
20	Future availability of raw materials for salmon feeds and supply chain implications: The case of Scottish farmed salmon. <i>Aquaculture</i> , 2017, 467, 49-62.	3.5	79
21	Functional characterisation of a Fads2 fatty acyl desaturase with $\Delta^6/\Delta^8$ activity and an Elovl5 with C16, C18 and C20 elongase activity in the anadromous teleost meagre ( <i>Argyrosomus regius</i> ). <i>Aquaculture</i> , 2013, 412-413, 14-22.	3.5	77
22	Biosynthesis of long-chain polyunsaturated fatty acids in the African catfish <i>Clarias gariepinus</i> : Molecular cloning and functional characterisation of fatty acyl desaturase (fads2) and elongase (elovl2) cDNAs. <i>Aquaculture</i> , 2016, 462, 70-79.	3.5	68
23	Effects of dietary limonene and thymol on the growth and nutritional physiology of Nile tilapia ( <i>Oreochromis niloticus</i> ). <i>Tj ETQq1 1 0.784314 rgBT /Overlock</i>	3.5	68
24	Identification of a $\Delta^5$ -like Fatty Acyl Desaturase from the Cephalopod <i>Octopus vulgaris</i> (Cuvier 1797) Involved in the Biosynthesis of Essential Fatty Acids. <i>Marine Biotechnology</i> , 2012, 14, 411-422.	2.3	67
25	Biosynthesis of essential fatty acids in <i>Octopus vulgaris</i> (Cuvier, 1797): Molecular cloning, functional characterisation and tissue distribution of a fatty acyl elongase. <i>Aquaculture</i> , 2012, 360-361, 45-53.	3.5	65
26	Evolutionary functional elaboration of the Elovl2/5 gene family in chordates. <i>Scientific Reports</i> , 2016, 6, 20510.	3.4	64
27	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.	2.5	58
28	Long-chain polyunsaturated fatty acid biosynthesis in the euryhaline herbivorous teleost <i>Scatophagus argus</i> : Functional characterization, tissue expression and nutritional regulation of two fatty acyl elongases. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2016, 198, 37-45.	1.7	57
29	Investigating long-chain polyunsaturated fatty acid biosynthesis in teleost fish: Functional characterization of fatty acyl desaturase (Fads2) and Elovl5 elongase in the catadromous species, Japanese eel <i>Anguilla japonica</i> . <i>Aquaculture</i> , 2014, 434, 57-65.	3.5	55
30	Dietary DHA/EPA ratio affected tissue fatty acid profiles, antioxidant capacity, hematological characteristics and expression of lipid-related genes but not growth in juvenile black seabream ( <i>Acanthopagrus schlegelii</i> ). <i>PLoS ONE</i> , 2017, 12, e0176216.	2.5	52
31	Dietary choline supplementation attenuated high-fat diet-induced inflammation through regulation of lipid metabolism and suppression of NF- $\kappa$ B activation in juvenile black seabream ( <i>Acanthopagrus</i> ). <i>Tj ETQq1 1 0.784314 rgBT /Overlock</i>	2.5	52
32	Nutrition as a Key Factor for Cephalopod Aquaculture. , 2014, , 77-95.		48
33	The compositional and metabolic responses of gilthead seabream ( <i>Sparus aurata</i> ) to a gradient of dietary fish oil and associated $\Delta^3$ long-chain PUFA content. <i>British Journal of Nutrition</i> , 2017, 118, 1010-1022.	2.7	46
34	Retention of fatty acyl desaturase 1 (fads1) in Elopomorpha and Cyclostomata provides novel insights into the evolution of long-chain polyunsaturated fatty acid biosynthesis in vertebrates. <i>BMC Evolutionary Biology</i> , 2018, 18, 157.	3.1	44
35	Enrichment of <i>Artemia</i> nauplii in essential fatty acids with different types of liposomes and their use in the rearing of gilthead sea bream ( <i>Sparus aurata</i> ) larvae. <i>Aquaculture</i> , 2006, 251, 491-508.	3.5	42
36	Effects of dietary lipid level on growth, fatty acid profiles, antioxidant capacity and expression of genes involved in lipid metabolism in juvenile swimming crab, <i>Portunus trituberculatus</i> . <i>British Journal of Nutrition</i> , 2020, 123, 149-160.	2.7	42

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37	Enriched on-grown <i>Artemia metanauplii</i> actively metabolise highly unsaturated fatty acid-rich phospholipids. <i>Aquaculture</i> , 2013, 412-413, 173-178.	3.5	39
38	Sodium-based dual-ion batteries via coupling high-capacity selenium/graphene anode with high-voltage graphite cathode. <i>Chinese Chemical Letters</i> , 2020, 31, 2314-2318.	9.1	39
39	Polyunsaturated Fatty Acid Biosynthesis and Metabolism in Fish. , 2018, , 31-60.		38
40	Molecular cloning and functional characterization of a putative <i>Elovl4</i> gene and its expression in response to dietary fatty acid profiles in orange-spotted grouper <i>Epinephelus coioides</i> . <i>Aquaculture Research</i> , 2017, 48, 537-552.	1.8	37
41	Molecular and functional characterisation of two <i>elovl4</i> elongases involved in the biosynthesis of very long-chain (> C24) polyunsaturated fatty acids in black seabream <i>Acanthopagrus schlegelii</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2017, 212, 41-50.	1.7	37
42	Biosynthesis of Polyunsaturated Fatty Acids in Octopus vulgaris: Molecular Cloning and Functional Characterisation of a Stearoyl-CoA Desaturase and an Elongation of Very Long-Chain Fatty Acid 4 Protein. <i>Marine Drugs</i> , 2017, 15, 82.	4.6	37
43	A complete enzymatic capacity for long-chain polyunsaturated fatty acid biosynthesis is present in the Amazonian teleost tambaqui, <i>Colossoma macropomum</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2019, 227, 90-97.	1.7	37
44	Cloning and characterization of a $\Delta^6/\Delta^5$ fatty acyl desaturase (Fad) gene promoter in the marine teleost <i>Siganus canaliculatus</i> . <i>Gene</i> , 2018, 647, 174-180.	2.3	36
45	Hepatocyte Nuclear Factor 4 $\pm$ (HNF4 $\pm$ ) Is a Transcription Factor of Vertebrate Fatty Acyl Desaturase Gene as Identified in Marine Teleost <i>Siganus canaliculatus</i> . <i>PLoS ONE</i> , 2016, 11, e0160361.	2.5	34
46	Cloning and Characterization of Lxr and Srebp1, and Their Potential Roles in Regulation of LC-PUFA Biosynthesis in Rabbitfish <i>Siganus canaliculatus</i> . <i>Lipids</i> , 2016, 51, 1051-1063.	1.8	34
47	Investigating the essential fatty acids in the common cuttlefish <i>Sepia officinalis</i> (Mollusca,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T elongase. <i>Aquaculture</i> , 2016, 450, 38-47.	3.5	34
48	miR-17 is involved in the regulation of LC-PUFA biosynthesis in vertebrates: Effects on liver expression of a fatty acyl desaturase in the marine teleost <i>Siganus canaliculatus</i> . <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2014, 1841, 934-943.	2.6	33
49	Functional diversification of teleost Fads2 fatty acyl desaturases occurs independently of the trophic level. <i>Scientific Reports</i> , 2019, 9, 11199.	3.4	32
50	A complete enzymatic capacity for biosynthesis of docosahexaenoic acid (DHA, 22 : 6 $\omega$ -3) exists in the marine Harpacticoida copepod <i>Tigriopus californicus</i> . <i>Open Biology</i> , 2021, 11, 200402.	3.7	32
51	Elongation of very Long-Chain (>C <sub>24</sub> ) Fatty Acids in <i>Clarias gariepinus</i> : Cloning, Functional Characterization and Tissue Expression of <i>elovl4</i> Elongases. <i>Lipids</i> , 2017, 52, 837-848.	1.8	31
52	Out of the Can: A Draft Genome Assembly, Liver Transcriptome, and Nutrigenomics of the European Sardine, <i>Sardina pilchardus</i> . <i>Genes</i> , 2018, 9, 485.	2.4	31
53	Variability and profiles of lipophilic toxins in bivalves from Great Britain during five and a half years of monitoring: Okadaic acid, dinophysis toxins and pectenotoxins. <i>Harmful Algae</i> , 2018, 77, 66-80.	4.9	31
54	Effects of different dietary oil sources on growth performance, antioxidant capacity and lipid deposition of juvenile golden pompano <i>Trachinotus ovatus</i> . <i>Aquaculture</i> , 2021, 530, 735923.	3.5	31

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55	Unique fatty acid desaturase capacities uncovered in <i>Hediste diversicolor</i> illustrate the roles of aquatic invertebrates in trophic upgrading. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20190654.	4.2	30
56	Environmental salinity and dietary lipid nutrition strategy: Effects on flesh quality of the marine euryhaline crab <i>Scylla paramamosain</i> . <i>Food Chemistry</i> , 2021, 361, 130160.	8.4	30
57	Enrichment of <i>Artemia nauplii</i> in vitamin A, vitamin C and methionine using liposomes. <i>Aquaculture</i> , 2007, 269, 504-513.	3.5	29
58	Cloning, Functional Characterization and Nutritional Regulation of $\Delta^6$ Fatty Acyl Desaturase in the Herbivorous Euryhaline Teleost <i>Scatophagus Argus</i> . <i>PLoS ONE</i> , 2014, 9, e90200.	2.5	29
59	Isolation and Functional Characterisation of a <i>fads2</i> in Rainbow Trout ( <i>Oncorhynchus mykiss</i> ) with $\Delta^5$ Desaturase Activity. <i>PLoS ONE</i> , 2016, 11, e0150770.	2.5	29
60	Molecular and functional characterization of a <i>fads2</i> orthologue in the Amazonian teleost, <i>Arapaima gigas</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2017, 203, 84-91.	1.7	29
61	Enrichment of <i>Artemia nauplii</i> in PUFA, phospholipids, and water-soluble nutrients using liposomes. <i>Aquaculture International</i> , 2003, 11, 151-161.	2.2	28
62	Characteristics of the <i>fads2</i> gene promoter in marine teleost <i>Epinephelus coioides</i> and role of Sp1-binding site in determining promoter activity. <i>Scientific Reports</i> , 2018, 8, 5305.	3.4	27
63	Molecular and functional characterisation of a putative <i>elovl4</i> gene and its expression in response to dietary fatty acid profile in Atlantic bluefin tuna ( <i>Thunnus thynnus</i> ). <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2020, 240, 110372.	1.7	23
64	Peripheral arterial disease: diagnostic challenges and how photoplethysmography may help. <i>British Journal of General Practice</i> , 2015, 65, 323-324.	2.6	22
65	Essential fatty acid metabolism and requirements of the cleaner fish, ballan wrasse <i>Labrus bergylta</i> : Defining pathways of long-chain polyunsaturated fatty acid biosynthesis. <i>Aquaculture</i> , 2018, 488, 199-206.	3.5	21
66	<i>Hnf4a</i> is involved in the regulation of vertebrate LC-PUFA biosynthesis: insights into the regulatory role of <i>Hnf4a</i> on expression of liver fatty acyl desaturases in the marine teleost <i>Siganus canaliculatus</i> . <i>Fish Physiology and Biochemistry</i> , 2018, 44, 805-815.	2.3	21
67	Biosynthesis of long-chain polyunsaturated fatty acids in the razor clam <i>Sinonovacula constricta</i> : Characterization of four fatty acyl elongases and a novel desaturase capacity. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2019, 1864, 1083-1090.	2.6	21
68	Evolution and Functional Characteristics of the Novel <i>elovl8</i> That Play Pivotal Roles in Fatty Acid Biosynthesis. <i>Genes</i> , 2021, 12, 1287.	2.4	21
69	miR-24 is involved in vertebrate LC-PUFA biosynthesis as demonstrated in marine teleost <i>Siganus canaliculatus</i> . <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2019, 1864, 619-628.	2.6	20
70	Oxidative stability and changes in the particle size of liposomes used in the <i>Artemia</i> enrichment. <i>Aquaculture</i> , 2007, 266, 200-210.	3.5	19
71	The miR-33 gene is identified in a marine teleost: a potential role in regulation of LC-PUFA biosynthesis in <i>Siganus canaliculatus</i> . <i>Scientific Reports</i> , 2016, 6, 32909.	3.4	19
72	Dietary Effect on the Proteome of the Common Octopus ( <i>Octopus vulgaris</i> ) Paralarvae. <i>Frontiers in Physiology</i> , 2017, 8, 309.	2.8	19

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73	MicroRNAs Involved in the Regulation of LC-PUFA Biosynthesis in Teleosts: miR-33 Enhances LC-PUFA Biosynthesis in <i>Siganus canaliculatus</i> by Targeting <i>insig1</i> which in Turn Upregulates <i>srebp1</i> . <i>Marine Biotechnology</i> , 2019, 21, 475-487.	2.3	18
74	Functional characterisation of two $\Delta^{12}$ -desaturases demonstrates targeted production of linoleic acid as pheromone precursor in <i>Nasonia</i> . <i>Journal of Experimental Biology</i> , 2019, 222, .	1.7	18
75	Methyl-end desaturases with $\Delta^{12}$ and $\Delta^3$ regioselectivities enable the de novo PUFA biosynthesis in the cephalopod <i>Octopus vulgaris</i> . <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2019, 1864, 1134-1144.	2.6	17
76	Molecular and Functional Characterization of <i>Elovl4</i> Genes in <i>Sparus aurata</i> and <i>Solea senegalensis</i> Pointing to a Critical Role in Very Long-Chain (>C24) Fatty Acid Synthesis during Early Neural Development of Fish. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3514.	4.2	17
77	Cloning and functional characterization of an <i>elovl4</i> -like gene involved in the biosynthesis of long-chain polyunsaturated fatty acids in the swimming crab <i>Portunus trituberculatus</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2020, 242, 110408.	1.7	17
78	<i>Ppar<math>\beta</math></i> Is Involved in the Transcriptional Regulation of Liver LC-PUFA Biosynthesis by Targeting the $\Delta^5$ Fatty Acyl Desaturase Gene in the Marine Teleost <i>Siganus canaliculatus</i> . <i>Marine Biotechnology</i> , 2019, 21, 19-29.	2.3	16
79	The catadromous teleost <i>Anguilla japonica</i> has a complete enzymatic repertoire for the biosynthesis of docosahexaenoic acid from $\Delta^7$ -linolenic acid: Cloning and functional characterization of an <i>Elovl2</i> elongase. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2020, 240, 110373.	1.7	16
80	<i>Sp1</i> is Involved in Vertebrate LC-PUFA Biosynthesis by Upregulating the Expression of Liver Desaturase and Elongase Genes. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5066.	4.2	15
81	The effects of combined phytochemicals on growth and nutritional physiology of Nile tilapia <i>Oreochromis niloticus</i> . <i>Aquaculture</i> , 2020, 519, 734867.	3.5	13
82	Biosynthesis of Long-Chain Polyunsaturated Fatty Acids in Marine Gammarids: Molecular Cloning and Functional Characterisation of Three Fatty Acyl Elongases. <i>Marine Drugs</i> , 2021, 19, 226.	4.6	13
83	Molecular cloning, functional characterization and nutritional regulation of two <i>elovl4b</i> elongases from rainbow trout ( <i>Oncorhynchus mykiss</i> ). <i>Aquaculture</i> , 2019, 511, 734221.	3.5	12
84	Identification of new, very long-chain polyunsaturated fatty acids in fish by gas chromatography coupled to quadrupole/time-of-flight mass spectrometry with atmospheric pressure chemical ionization. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 1039-1046.	3.9	12
85	Functional characterization reveals a diverse array of metazoan fatty acid biosynthesis genes. <i>Molecular Ecology</i> , 2023, 32, 970-982.	3.6	11
86	Elevated temperature promotes growth and feed efficiency of farmed ballan wrasse juveniles ( <i>Labrus</i> ). <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf</i>	3.5	10
87	Effect of aeration on the efficiency of <i>Artemia</i> enrichment with EFA-rich emulsion and liposomes. <i>Aquaculture</i> , 2006, 257, 382-392.	3.5	9
88	Enriching <i>Artemia</i> nauplii with a high DHA-containing lipid emulsion: search for an optimal protocol. <i>Aquaculture Research</i> , 2015, 46, 1066-1077.	1.8	9
89	Lipid Composition of Oil Extracted from Wasted Norway Lobster ( <i>Nephrops norvegicus</i> ) Heads and Comparison with Oil Extracted from Antarctic Krill ( <i>Euphasia superba</i> ). <i>Marine Drugs</i> , 2016, 14, 219.	4.6	9
90	miR-26a mediates LC-PUFA biosynthesis by targeting the <i>Lxr<math>\beta</math></i> - <i>Srebp1</i> pathway in the marine teleost <i>Siganus canaliculatus</i> . <i>Journal of Biological Chemistry</i> , 2020, 295, 13875-13886.	3.5	9

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91	The fatty acid elongation genes <i>elovl4a</i> and <i>elovl4b</i> are present and functional in the genome of tambaqui ( <i>Colossoma macropomum</i> ). <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2020, 245, 110447.	1.7	9
92	Antioxidant activity and lipid peroxidation in <i>Artemia</i> nauplii enriched with DHA-rich oil emulsion and the effect of adding an external antioxidant based on hydroxytyrosol. <i>Aquaculture Research</i> , 2017, 48, 1006-1019.	1.8	8
93	Total Replacement of Dietary Fish Oil with a Blend of Vegetable Oils in the Marine Herbivorous Teleost, <i>Siganus canaliculatus</i> . <i>Journal of the World Aquaculture Society</i> , 2018, 49, 692-702.	2.3	8
94	Enriching <i>Artemia</i> nauplii with selenium from different sources and interactions with essential fatty acid incorporation. <i>Aquaculture</i> , 2020, 520, 734677.	3.5	8
95	Biosynthesis of LC-PUFAs and VLC-PUFAs in <i>Pampus argenteus</i> : Characterization of <i>Elovl4</i> Elongases and Regulation under Acute Salinity. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 932-944.	5.3	8
96	Effects of naupliar density, product concentration and product dosage on the survival of the nauplii and EFA incorporation during <i>Artemia</i> enrichment with liposomes. <i>Aquaculture</i> , 2006, 261, 659-669.	3.5	7
97	The repertoire of the elongation of very long-chain fatty acids ( <i>Elovl</i> ) protein family is conserved in tambaqui ( <i>Colossoma macropomum</i> ): Gene expression profiles offer insights into the sexual differentiation process. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2022, 261, 110749.	1.7	7
98	Metabolic and molecular evidence for long-chain PUFA biosynthesis capacity in the grass carp <i>Ctenopharyngodon idella</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2022, 270, 111232.	1.8	7
99	Gene identification and functional characterization of a $\Delta^{12}$ fatty acid desaturase in <i>Tetrahymena thermophila</i> and its influence in homeoviscous adaptation to low temperature. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2019, 1864, 1644-1655.	2.6	6
100	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.	3.5	6
101	The miR-15/16 Cluster Is Involved in the Regulation of Vertebrate LC-PUFA Biosynthesis by Targeting <i>ppar<math>\beta</math></i> as Demonstrated in Rabbitfish <i>Siganus canaliculatus</i> . <i>Marine Biotechnology</i> , 2020, 22, 475-487.	2.3	6
102	Identification of miR-145 as a Key Regulator Involved in LC-PUFA Biosynthesis by Targeting <i>hnf4b</i> in the Marine Teleost <i>Siganus canaliculatus</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 15123-15133.	5.3	5
103	Influence of Dietary Lipids and Environmental Salinity on the n-3 Long-Chain Polyunsaturated Fatty Acids Biosynthesis Capacity of the Marine Teleost <i>Solea senegalensis</i> . <i>Marine Drugs</i> , 2021, 19, 254.	4.6	5
104	Expression of long-chain polyunsaturated fatty acids biosynthesis genes during the early life-cycle stages of the tropical gar <i>Atractosteus tropicus</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2021, 256, 110628.	1.7	4
105	A zebrafish <i>ppar<math>\beta</math></i> gene deletion reveals a protein kinase network associated with defective lipid metabolism. <i>Functional and Integrative Genomics</i> , 2022, 22, 435-450.	3.5	4
106	Regulation of gene expression associated with LC-PUFA metabolism in juvenile tambaqui ( <i>Colossoma macropomum</i> ). <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 3923-3934.	1.8	3
107	A comparison of regression models for defining EPA+DHA requirements using the gilthead seabream ( <i>Sparus aurata</i> ) as a model species. <i>Aquaculture</i> , 2022, 556, 738308.	3.5	3
108	Determination of very long-chain polyunsaturated fatty acids from 24 to 44 carbons in eye, brain and gonads of wild and cultured gilthead sea bream ( <i>Sparus aurata</i> ). <i>Scientific Reports</i> , 2022, 12, .	3.4	3

#	ARTICLE	IF	CITATIONS
109	Long-chain polyunsaturated fatty acid biosynthesis in a land-crab with advanced terrestrial adaptations: Molecular cloning and functional characterization of two fatty acyl elongases. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2022, 262, 110773.	1.7	2
110	Examination of gammarid transcriptomes reveals a widespread occurrence of key metabolic genes from epibiont bdelloid rotifers in freshwater species. <i>Open Biology</i> , 2023, 13, .	3.7	2
111	Terminating medical treatment: What risk managers need to know. <i>Perspectives in Healthcare Risk Management</i> , 2009, 11, 28-31.	0.0	0
112	Elongation capacity of polyunsaturated fatty acids in the annelid <i>Platynereis dumerilii</i> . <i>Open Biology</i> , 2024, 14, .	3.7	0