

Scar Monroig

List of Publications by Year in descending order

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106
papers

5,245
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87226

37
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92726

67
g-index

111
all docs

111
docs citations

111
times ranked

3427
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.	10.8	271
3	Vertebrate fatty acyl desaturase with Δ^4 activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 16840-16845.	7.5	250
4	Biosynthesis of Polyunsaturated Fatty Acids in Marine Invertebrates: Recent Advances in Molecular Mechanisms. <i>Marine Drugs</i> , 2013, 11, 3998-4018.	4.5	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 Δ^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.	1.4	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 (Δ^5) and Fads2 (Δ^6) Orthologues Evolved before the Origin of Jawed Vertebrates. <i>PLoS ONE</i> , 2012, 7, e31950.	2.5	124
10	Multiple genes for functional Δ^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 Δ^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 Δ^6/Δ^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>Trends in Food Science and Technology</i> , 2017, 14, 1-10.	3.5	68
24	Identification of a Δ^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 choline supplementation attenuated high-fat diet-induced inflammation through regulation of lipid metabolism and suppression of NF- κ B activation in juvenile black seabream (<i>Acanthopagrus</i>). <i>Trends in Food Science and Technology</i> , 2017, 14, 1-10.	3.5	49
31	Nutrition as a Key Factor for Cephalopod Aquaculture. , 2014, , 77-95.		48
32	The compositional and metabolic responses of gilthead seabream (<i>Sparus aurata</i>) to a gradient of dietary fish oil and associated Δ^3 long-chain PUFA content. <i>British Journal of Nutrition</i> , 2017, 118, 1010-1022.	2.6	46
33	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
34	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
35	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.	2.6	42
36	Enriched on-grown <i>Artemia</i> metanauplii actively metabolise highly unsaturated fatty acid-rich phospholipids. <i>Aquaculture</i> , 2013, 412-413, 173-178.	3.5	39

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37	Polyunsaturated Fatty Acid Biosynthesis and Metabolism in Fish. , 2018, , 31-60.		38
38	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> . Aquaculture Research, 2017, 48, 537-552.	1.8	37
39	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> . Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2017, 212, 41-50.	1.7	37
40	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. Marine Drugs, 2017, 15, 82.	4.5	37
41	A complete enzymatic capacity for long-chain polyunsaturated fatty acid biosynthesis is present in the Amazonian teleost tambaqui, <i>Colossoma macropomum</i> . Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2019, 227, 90-97.	1.7	37
42	Cloning and characterization of a Δ^6/Δ^5 fatty acyl desaturase (Fad) gene promoter in the marine teleost <i>Siganus canaliculatus</i> . Gene, 2018, 647, 174-180.	2.3	36
43	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> . PLoS ONE, 2016, 11, e0160361.	2.5	34
44	Cloning and Characterization of Lxr and Srebp1, and Their Potential Roles in Regulation of LC-PUFA Biosynthesis in Rabbitfish <i>Siganus canaliculatus</i> . Lipids, 2016, 51, 1051-1063.	1.7	34
45	Investigating the essential fatty acids in the common cuttlefish <i>Sepia officinalis</i> (Mollusca,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T elongase. Aquaculture, 2016, 450, 38-47.	3.5	34
46	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> . Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2014, 1841, 934-943.	2.6	33
47	Functional diversification of teleost Fads2 fatty acyl desaturases occurs independently of the trophic level. Scientific Reports, 2019, 9, 11199.	3.4	32
48	A complete enzymatic capacity for biosynthesis of docosahexaenoic acid (DHA, 22 : 6 ω -3) exists in the marine Harpacticoida copepod <i>Tigriopus californicus</i> . Open Biology, 2021, 11, 200402.	3.7	32
49	Elongation of very Long-Chain (>C ₂₄) Fatty Acids in <i>Clarias gariepinus</i> : Cloning, Functional Characterization and Tissue Expression of <i>elovl4</i> Elongases. Lipids, 2017, 52, 837-848.	1.7	31
50	Out of the Can: A Draft Genome Assembly, Liver Transcriptome, and Nutrigenomics of the European Sardine, <i>Sardina pilchardus</i> . Genes, 2018, 9, 485.	2.4	31
51	Effects of different dietary oil sources on growth performance, antioxidant capacity and lipid deposition of juvenile golden pompano <i>Trachinotus ovatus</i> . Aquaculture, 2021, 530, 735923.	3.5	31
52	Unique fatty acid desaturase capacities uncovered in <i>Hediste diversicolor</i> illustrate the roles of aquatic invertebrates in trophic upgrading. Philosophical Transactions of the Royal Society B: Biological Sciences, 2020, 375, 20190654.	4.1	30
53	Environmental salinity and dietary lipid nutrition strategy: Effects on flesh quality of the marine euryhaline crab <i>Scylla paramamosain</i> . Food Chemistry, 2021, 361, 130160.	8.3	30
54	Enrichment of <i>Artemia nauplii</i> in vitamin A, vitamin C and methionine using liposomes. Aquaculture, 2007, 269, 504-513.	3.5	29

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55	Cloning, Functional Characterization and Nutritional Regulation of Δ^6 Fatty Acyl Desaturase in the Herbivorous Euryhaline Teleost Scatophagus Argus. PLoS ONE, 2014, 9, e90200.	2.5	29
56	Isolation and Functional Characterisation of a fads2 in Rainbow Trout (Oncorhynchus mykiss) with Δ^5 Desaturase Activity. PLoS ONE, 2016, 11, e0150770.	2.5	29
57	Molecular and functional characterization of a fads2 orthologue in the Amazonian teleost, Arapaima gigas. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2017, 203, 84-91.	1.7	29
58	Enrichment of Artemia nauplii in PUFA, phospholipids, and water-soluble nutrients using liposomes. Aquaculture International, 2003, 11, 151-161.	2.2	28
59	Characteristics of the fads2 gene promoter in marine teleost Epinephelus coioides and role of Sp1-binding site in determining promoter activity. Scientific Reports, 2018, 8, 5305.	3.4	27
60	Molecular and functional characterisation of a putative elovl4 gene and its expression in response to dietary fatty acid profile in Atlantic bluefin tuna (Thunnus thynnus). Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2020, 240, 110372.	1.7	23
61	Essential fatty acid metabolism and requirements of the cleaner fish, ballan wrasse Labrus bergylta : Defining pathways of long-chain polyunsaturated fatty acid biosynthesis. Aquaculture, 2018, 488, 199-206.	3.5	21
62	Hnf4 α is involved in the regulation of vertebrate LC-PUFA biosynthesis: insights into the regulatory role of Hnf4 α on expression of liver fatty acyl desaturases in the marine teleost Siganus canaliculatus. Fish Physiology and Biochemistry, 2018, 44, 805-815.	2.2	21
63	Biosynthesis of long-chain polyunsaturated fatty acids in the razor clam Sinonovacula constricta: Characterization of four fatty acyl elongases and a novel desaturase capacity. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2019, 1864, 1083-1090.	2.6	21
64	Evolution and Functional Characteristics of the Novel elovl8 That Play Pivotal Roles in Fatty Acid Biosynthesis. Genes, 2021, 12, 1287.	2.4	21
65	miR-24 is involved in vertebrate LC-PUFA biosynthesis as demonstrated in marine teleost Siganus canaliculatus. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2019, 1864, 619-628.	2.6	20
66	Oxidative stability and changes in the particle size of liposomes used in the Artemia enrichment. Aquaculture, 2007, 266, 200-210.	3.5	19
67	The miR-33 gene is identified in a marine teleost: a potential role in regulation of LC-PUFA biosynthesis in Siganus canaliculatus. Scientific Reports, 2016, 6, 32909.	3.4	19
68	Dietary Effect on the Proteome of the Common Octopus (Octopus vulgaris) Paralarvae. Frontiers in Physiology, 2017, 8, 309.	2.8	19
69	MicroRNAs Involved in the Regulation of LC-PUFA Biosynthesis in Teleosts: miR-33 Enhances LC-PUFA Biosynthesis in Siganus canaliculatus by Targeting insig1 which in Turn Upregulates srebp1. Marine Biotechnology, 2019, 21, 475-487.	2.3	18
70	Functional characterisation of two Δ^{12} -desaturases demonstrates targeted production of linoleic acid as pheromone precursor in <i>Nasonia</i> . Journal of Experimental Biology, 2019, 222, .	1.7	18
71	Methyl-end desaturases with Δ^{12} and Δ^3 regioselectivities enable the de novo PUFA biosynthesis in the cephalopod Octopus vulgaris. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2019, 1864, 1134-1144.	2.6	17
72	Molecular and Functional Characterization of Elovl4 Genes in Sparus aurata and Solea senegalensis Pointing to a Critical Role in Very Long-Chain (>C24) Fatty Acid Synthesis during Early Neural Development of Fish. International Journal of Molecular Sciences, 2020, 21, 3514.	4.2	17

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73	Cloning and functional characterization of an elovl4-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
74	Ppar β Is Involved in the Transcriptional Regulation of Liver LC-PUFA Biosynthesis by Targeting the Δ^5 Fatty Acyl Desaturase Gene in the Marine Teleost <i>Siganus canaliculatus</i> . <i>Marine Biotechnology</i> , 2019, 21, 19-29.	2.3	16
75	The catadromous teleost <i>Anguilla japonica</i> has a complete enzymatic repertoire for the biosynthesis of docosahexaenoic acid from l α -linolenic acid: Cloning and functional characterization of an Elov2 elongase. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2020, 240, 110373.	1.7	16
76	Sp1 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
77	The effects of combined phytogenics on growth and nutritional physiology of Nile tilapia <i>Oreochromis niloticus</i> . <i>Aquaculture</i> , 2020, 519, 734867.	3.5	13
78	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.	4.5	13
79	Molecular cloning, functional characterization and nutritional regulation of two elovl4b elongases from rainbow trout (<i>Oncorhynchus mykiss</i>). <i>Aquaculture</i> , 2019, 511, 734221.	3.5	12
80	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.	3.8	12
81	Functional characterization reveals a diverse array of metazoan fatty acid biosynthesis genes. <i>Molecular Ecology</i> , 2023, 32, 970-982.	3.6	11
82	Elevated temperature promotes growth and feed efficiency of farmed ballan wrasse juveniles (<i>Labrus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 TF	3.5	10
83	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
84	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
85	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.	4.5	9
86	miR-26a mediates LC-PUFA biosynthesis by targeting the Lxr β -Srebp1 pathway in the marine teleost <i>Siganus canaliculatus</i> . <i>Journal of Biological Chemistry</i> , 2020, 295, 13875-13886.	3.5	9
87	The fatty acid elongation genes elovl4a and elovl4b 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
88	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
89	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
90	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

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91	Biosynthesis of LC-PUFAs and VLC-PUFAs in <i>Pampus argenteus</i> : Characterization of Elovl4 Elongases and Regulation under Acute Salinity. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 932-944.	5.3	8
92	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
93	The repertoire of the elongation of very long-chain fatty acids (Elovl) 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
94	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 & Integrative Physiology</i> , 2022, 270, 111232.	1.8	7
95	Gene identification and functional characterization of a Δ^7 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
96	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
97	The miR-15/16 Cluster Is Involved in the Regulation of Vertebrate LC-PUFA Biosynthesis by Targeting ppar β as Demonstrated in Rabbitfish <i>Siganus canaliculatus</i> . <i>Marine Biotechnology</i> , 2020, 22, 475-487.	2.3	6
98	Identification of miR-145 as a Key Regulator Involved in LC-PUFA Biosynthesis by Targeting <i>hnf4</i> in the Marine Teleost <i>Siganus canaliculatus</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 15123-15133.	5.3	5
99	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.	4.5	5
100	A zebrafish ppar β 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
101	Regulation of gene expression associated with LC-PUFA metabolism in juvenile tambaqui (<i>Colossoma macropomum</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 3923-3934.	1.8	3
102	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
103	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
104	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
105	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
106	Elongation capacity of polyunsaturated fatty acids in the annelid <i>Platynereis dumerilii</i> . <i>Open Biology</i> , 2024, 14, .	3.7	0