

Luis Filipe C Castro

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186
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ext. citations

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5.48
L-index

#	Paper	IF	Citations
168	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	14.3	215
167	A defined Oct4 level governs cell state transitions of pluripotency entry and differentiation into all embryonic lineages. <i>Nature Cell Biology</i> , 2013 , 15, 579-90	23.4	147
166	Imposex induction is mediated through the Retinoid X Receptor signalling pathway in the neogastropod <i>Nucella lapillus</i> . <i>Aquatic Toxicology</i> , 2007 , 85, 57-66	5.1	138
165	Genes for de novo biosynthesis of omega-3 polyunsaturated fatty acids are widespread in animals. <i>Science Advances</i> , 2018 , 4, eaar6849	14.3	123
164	Amphioxus functional genomics and the origins of vertebrate gene regulation. <i>Nature</i> , 2018 , 564, 64-70	50.4	120
163	Functional desaturase Fads1 (B) and Fads2 (B) orthologues evolved before the origin of jawed vertebrates. <i>PLoS ONE</i> , 2012 , 7, e31950	3.7	95
162	Disruption of zebrafish (<i>Danio rerio</i>) embryonic development after full life-cycle parental exposure to low levels of ethinylestradiol. <i>Aquatic Toxicology</i> , 2009 , 95, 330-8	5.1	90
161	Two alternative pathways for docosahexaenoic acid (DHA, 22:6n-3) biosynthesis are widespread among teleost fish. <i>Scientific Reports</i> , 2017 , 7, 3889	4.9	74
160	Dispersal of NK homeobox gene clusters in amphioxus and humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 5292-5	11.5	74
159	Morphological diversity of the gastrointestinal tract in fishes. <i>Fish Physiology</i> , 2010 , 1-55	2	73
158	A Gbx homeobox gene in amphioxus: insights into ancestry of the ANTP class and evolution of the midbrain/hindbrain boundary. <i>Developmental Biology</i> , 2006 , 295, 40-51	3.1	73
157	The evolutionary history of the stearyl-CoA desaturase gene family in vertebrates. <i>BMC Evolutionary Biology</i> , 2011 , 11, 132	3	72
156	The Mammalian "Obesogen" Tributyltin Targets Hepatic Triglyceride Accumulation and the Transcriptional Regulation of Lipid Metabolism in the Liver and Brain of Zebrafish. <i>PLoS ONE</i> , 2015 , 10, e0143911	3.7	69
155	Tributyltin-induced imposex in marine gastropods involves tissue-specific modulation of the retinoid X receptor. <i>Aquatic Toxicology</i> , 2011 , 101, 221-7	5.1	66
154	Reprogramming capacity of Nanog is functionally conserved in vertebrates and resides in a unique homeodomain. <i>Development (Cambridge)</i> , 2011 , 138, 4853-65	6.6	58
153	Recurrent gene loss correlates with the evolution of stomach phenotypes in gnathostome history. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014 , 281, 20132669	4.4	48
152	No more than 14: the end of the amphioxus Hox cluster. <i>International Journal of Biological Sciences</i> , 2005 , 1, 19-23	11.2	48

151	Chromosomal mapping of ANTP class homeobox genes in amphioxus: piecing together ancestral genomes. <i>Evolution & Development</i> , 2003 , 5, 459-65	2.6	47
150	Evolutionary functional elaboration of the Elovl2/5 gene family in chordates. <i>Scientific Reports</i> , 2016 , 6, 20510	4.9	46
149	Interspecific differentiation and intraspecific substructure in two closely related clupeids with extensive hybridization, <i>Alosa alosa</i> and <i>Alosa fallax</i> . <i>Journal of Fish Biology</i> , 2006 , 69, 242-259	1.9	43
148	The estrogen receptor of the gastropod <i>Nucella lapillus</i> : modulation following exposure to an estrogenic effluent?. <i>Aquatic Toxicology</i> , 2007 , 84, 465-8	5.1	42
147	Statins: An undesirable class of aquatic contaminants?. <i>Aquatic Toxicology</i> , 2016 , 174, 1-9	5.1	41
146	Chronic effects of clofibrac acid in zebrafish (<i>Danio rerio</i>): a multigenerational study. <i>Aquatic Toxicology</i> , 2015 , 160, 76-86	5.1	41
145	The genomic environment around the Aromatase gene: evolutionary insights. <i>BMC Evolutionary Biology</i> , 2005 , 5, 43	3	39
144	Diversity and history of the long-chain acyl-CoA synthetase (Acsl) gene family in vertebrates. <i>BMC Evolutionary Biology</i> , 2013 , 13, 271	3	37
143	Underwater Photogrammetry and Object Modeling: A Case Study of Xlendi Wreck in Malta. <i>Sensors</i> , 2015 , 15, 30351-84	3.8	37
142	A mollusk retinoic acid receptor (RAR) ortholog sheds light on the evolution of ligand binding. <i>Endocrinology</i> , 2014 , 155, 4275-86	4.8	37
141	An antecedent of the MHC-linked genomic region in amphioxus. <i>Immunogenetics</i> , 2004 , 55, 782-4	3.2	35
140	Is there a compromise between nutrient uptake and gas exchange in the gut of <i>Misgurnus anguillicaudatus</i> , an intestinal air-breathing fish?. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2007 , 2, 345-55	2	34
139	To bind or not to bind: the taxonomic scope of nuclear receptor mediated endocrine disruption in invertebrate phyla. <i>Environmental Science & Technology</i> , 2014 , 48, 5361-3	10.3	33
138	Tributyltin (TBT) effects on <i>Hexaplex trunculus</i> and <i>Bolinus brandaris</i> (Gastropoda: Muricidae): Imposex induction and sex hormone levels insights. <i>Ecological Indicators</i> , 2012 , 13, 13-21	5.8	33
137	Organotin levels in seafood from Portuguese markets and the risk for consumers. <i>Chemosphere</i> , 2009 , 75, 661-666	8.4	33
136	Dynamics of PPARs, fatty acid metabolism genes and lipid classes in eggs and early larvae of a teleost. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2013 , 164, 247-58 ³	2.3	31
135	Normalization strategies for gene expression studies by real-time PCR in a marine fish species, <i>Scophthalmus maximus</i> . <i>Marine Genomics</i> , 2013 , 10, 17-25	1.9	30
134	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	29

133	Obesogens in the aquatic environment: an evolutionary and toxicological perspective. <i>Environment International</i> , 2017 , 106, 153-169	12.9	28
132	New insights into the mechanism of imposex induction in the dogwhelk <i>Nucella lapillus</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2005 , 141, 101-9	3.2	28
131	Effects of Tributyltin and Other Retinoid Receptor Agonists in Reproductive-Related Endpoints in the Zebrafish (<i>Danio rerio</i>). <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2015 , 78, 747-60	3.2	26
130	Molecular and functional characterization of a fads2 orthologue in the Amazonian teleost, <i>Arapaima gigas</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2017 , 203, 84-91	2.3	25
129	Gene expression analysis of ABC efflux transporters, CYP1A and GST in Nile tilapia after exposure to benzo(a)pyrene. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2012 , 155, 469-82	3.2	25
128	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	2.3	25
127	Rapid-behaviour responses as a reliable indicator of estrogenic chemical toxicity in zebrafish juveniles. <i>Chemosphere</i> , 2011 , 85, 1543-7	8.4	24
126	Fluorescent in situ hybridisation to amphioxus chromosomes. <i>Zoological Science</i> , 2002 , 19, 1349-53	0.8	24
125	": A Draft Genome Assembly, Liver Transcriptome, and Nutrigenomics of the European Sardine,. <i>Genes</i> , 2018 , 9,	4.2	24
124	Zebrafish (<i>Danio rerio</i>) life-cycle exposure to chronic low doses of ethinylestradiol modulates p53 gene transcription within the gonads, but not NER pathways. <i>Ecotoxicology</i> , 2012 , 21, 1513-22	2.9	23
123	Molluscan genomics: the road so far and the way forward. <i>Hydrobiologia</i> , 2020 , 847, 1705-1726	2.4	23
122	Retinoid metabolism in invertebrates: when evolution meets endocrine disruption. <i>General and Comparative Endocrinology</i> , 2014 , 208, 134-45	3	22
121	Comparative Analysis of the Adhesive Proteins of the Adult Stalked Goose Barnacle <i>Pollicipes pollicipes</i> (Cirripedia: Pedunculata). <i>Marine Biotechnology</i> , 2019 , 21, 38-51	3.4	22
120	Tissue-specific distribution patterns of retinoids and didehydroretinoids in rainbow trout <i>Oncorhynchus mykiss</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2012 , 161, 69-78	2.3	19
119	Retinol metabolism in the mollusk <i>Osilinus lineatus</i> indicates an ancient origin for retinyl ester storage capacity. <i>PLoS ONE</i> , 2012 , 7, e35138	3.7	19
118	Polyunsaturated Fatty Acid Biosynthesis and Metabolism in Fish 2018 , 31-60		19
117	Complete Inactivation of Sebum-Producing Genes Parallels the Loss of Sebaceous Glands in Cetacea. <i>Molecular Biology and Evolution</i> , 2019 , 36, 1270-1280	8.3	18
116	Cloning and expression analysis of the 17 β hydroxysteroid dehydrogenase type 12 (HSD17B12) in the neogastropod <i>Nucella lapillus</i> . <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2013 , 134, 8-14 ^{5.1}		18

115	Seasonal and gender variation of peroxisome proliferator activated receptors expression in brown trout liver. <i>General and Comparative Endocrinology</i> , 2009 , 161, 146-52	3	18
114	A draft genome sequence of the elusive giant squid, <i>Architeuthis dux</i> . <i>GigaScience</i> , 2020 , 9,	7.6	17
113	The evolution of pepsinogen C genes in vertebrates: duplication, loss and functional diversification. <i>PLoS ONE</i> , 2012 , 7, e32852	3.7	17
112	Natural history of SLC11 genes in vertebrates: tales from the fish world. <i>BMC Evolutionary Biology</i> , 2011 , 11, 106	3	17
111	Dietary Oil Source and Selenium Supplementation Modulate Fads2 and Elovl5 Transcriptional Levels in Liver and Brain of Meagre (<i>Argyrosomus regius</i>). <i>Lipids</i> , 2016 , 51, 729-41	1.6	16
110	Identifying the gaps: Resources and perspectives on the use of nuclear receptor based-assays to improve hazard assessment of emerging contaminants. <i>Journal of Hazardous Materials</i> , 2018 , 358, 508-511	12.8	16
109	Embryo bioassays with aquatic animals for toxicity testing and hazard assessment of emerging pollutants: A review. <i>Science of the Total Environment</i> , 2020 , 705, 135740	10.2	16
108	Evaluation of the Impact of Different Soil Salinization Processes on Organic and Mineral Soils. <i>Water, Air, and Soil Pollution</i> , 2015 , 226, 1	2.6	15
107	Adaptive evolution of the Retinoid X receptor in vertebrates. <i>Genomics</i> , 2012 , 99, 81-9	4.3	15
106	Genomic approach in evaluating the role of androgens on the growth of Atlantic cod (<i>Gadus morhua</i>) previtellogenic oocytes. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2008 , 3, 205-18	2	15
105	Genetic differentiation of <i>Solea solea</i> (Linnaeus, 1758) and <i>Solea senegalensis</i> Kaup, 1858, (Pisces: Pleuronectiformes) from several estuarine systems of the Portuguese coast. <i>Scientia Marina</i> , 2003 , 67, 43-52	1.8	15
104	Multi-matrix quantification and risk assessment of pesticides in the longest river of the Iberian peninsula. <i>Science of the Total Environment</i> , 2016 , 572, 263-272	10.2	15
103	Evolutionary Exploitation of Vertebrate Peroxisome Proliferator-Activated Receptor I by Organotins. <i>Environmental Science & Technology</i> , 2018 , 52, 13951-13959	10.3	15
102	Acyl-coenzyme A oxidases 1 and 3 in brown trout (<i>Salmo trutta f. fario</i>): Can peroxisomal fatty acid oxidation be regulated by estrogen signaling?. <i>Fish Physiology and Biochemistry</i> , 2016 , 42, 389-401	2.7	14
101	Differences in retinoid levels and metabolism among gastropod lineages: imposex-susceptible gastropods lack the ability to store retinoids in the form of retinyl esters. <i>Aquatic Toxicology</i> , 2013 , 142-143, 96-103	5.1	14
100	The retinoic acid receptor (RAR) in molluscs: Function, evolution and endocrine disruption insights. <i>Aquatic Toxicology</i> , 2019 , 208, 80-89	5.1	13
99	Cetacea are natural knockouts for IL20. <i>Immunogenetics</i> , 2018 , 70, 681-687	3.2	13
98	Linking chemical exposure to lipid homeostasis: A municipal waste water treatment plant influent is obesogenic for zebrafish larvae. <i>Ecotoxicology and Environmental Safety</i> , 2019 , 182, 109406	7	13

97	In vitro exposure of Nile tilapia (<i>Oreochromis niloticus</i>) testis to estrogenic endocrine disrupting chemicals: mRNA expression of genes encoding steroidogenic enzymes. <i>Toxicology Mechanisms and Methods</i> , 2012 , 22, 47-53	3.6	13
96	Cloning and functional characterization of a retinoid X receptor orthologue in <i>Platynereis dumerilii</i> : An evolutionary and toxicological perspective. <i>Chemosphere</i> , 2017 , 182, 753-761	8.4	12
95	Effects of the PPAR α agonist WY-14,643 on plasma lipids, enzymatic activities and mRNA expression of lipid metabolism genes in a marine flatfish, <i>Scophthalmus maximus</i> . <i>Aquatic Toxicology</i> , 2015 , 164, 155-62	5.1	12
94	A cytosolic carbonic anhydrase molecular switch occurs in the gills of metamorphic sea lamprey. <i>Scientific Reports</i> , 2016 , 6, 33954	4.9	12
93	A mollusk VDR/PXR/CAR-like (NR1J) nuclear receptor provides insight into ancient detoxification mechanisms. <i>Aquatic Toxicology</i> , 2016 , 174, 61-9	5.1	12
92	Imposex development in <i>Hexaplex trunculus</i> (Gastropoda: Caenogastropoda) involves changes in the transcription levels of the retinoid X receptor (RXR). <i>Chemosphere</i> , 2013 , 93, 1161-7	8.4	12
91	Estrogenic chemical effects are independent from the degree of sex role reversal in pipefish. <i>Journal of Hazardous Materials</i> , 2013 , 263 Pt 2, 746-53	12.8	12
90	Simvastatin modulates gene expression of key receptors in zebrafish embryos. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2017 , 80, 465-476	3.2	12
89	Tributyltin Affects Retinoid X Receptor-Mediated Lipid Metabolism in the Marine Rotifer <i>Brachionus koreanus</i> . <i>Environmental Science & Technology</i> , 2019 , 53, 7830-7839	10.3	11
88	The last frontier: Coupling technological developments with scientific challenges to improve hazard assessment of deep-sea mining. <i>Science of the Total Environment</i> , 2018 , 627, 1505-1514	10.2	11
87	Tissue expression of PPAR α isoforms in <i>Scophthalmus maximus</i> and transcriptional response of target genes in the heart after exposure to WY-14643. <i>Fish Physiology and Biochemistry</i> , 2013 , 39, 1043-55	2.7	11
86	Total substitution of dietary fish oil by vegetable oils stimulates muscle hypertrophic growth in Senegalese sole and the upregulation of <i>fgf6</i> . <i>Food and Function</i> , 2017 , 8, 1869-1879	6.1	10
85	Estrogenic and anti-estrogenic influences in cultured brown trout hepatocytes: Focus on the expression of some estrogen and peroxisomal related genes and linked phenotypic anchors. <i>Aquatic Toxicology</i> , 2015 , 169, 133-42	5.1	10
84	Diets supplemented with <i>Saccharina latissima</i> influence the expression of genes related to lipid metabolism and oxidative stress modulating rainbow trout (<i>Oncorhynchus mykiss</i>) fillet composition. <i>Food and Chemical Toxicology</i> , 2020 , 140, 111332	4.7	10
83	LXR α and LXR β Nuclear Receptors Evolved in the Common Ancestor of Gnathostomes. <i>Genome Biology and Evolution</i> , 2017 , 9, 222-230	3.9	10
82	Retinoid level dynamics during gonad recycling in the limpet <i>Patella vulgata</i> . <i>General and Comparative Endocrinology</i> , 2016 , 225, 142-148	3	10
81	A novel Acetyl-CoA synthetase short-chain subfamily member 1 (<i>Acss1</i>) gene indicates a dynamic history of paralogue retention and loss in vertebrates. <i>Gene</i> , 2012 , 497, 249-55	3.8	10
80	ABC transporters, CYP1A and GST α gene transcription patterns in developing stages of the Nile tilapia (<i>Oreochromis niloticus</i>). <i>Gene</i> , 2012 , 506, 317-24	3.8	10

79	The 17beta-hydroxysteroid dehydrogenase 4: Gender-specific and seasonal gene expression in the liver of brown trout (<i>Salmo trutta</i> f. fario). <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2009 , 153, 157-64	2.3	10
78	The Origin and Diversity of Cpt1 Genes in Vertebrate Species. <i>PLoS ONE</i> , 2015 , 10, e0138447	3.7	10
77	An important resource for understanding bio-adhesion mechanisms: Cement gland transcriptomes of two goose barnacles, <i>Pollicipes pollicipes</i> and <i>Lepas anatifera</i> (Cirripedia, Thoracica). <i>Marine Genomics</i> , 2019 , 45, 16-20	1.9	10
76	Expansion, retention and loss in the Acyl-CoA synthetase "Bubblegum" (<i>Acsbg</i>) gene family in vertebrate history. <i>Gene</i> , 2018 , 664, 111-118	3.8	9
75	Transgenerational inheritance of chemical-induced signature: A case study with simvastatin. <i>Environment International</i> , 2020 , 144, 106020	12.9	9
74	The Singularity of Cetacea Behavior Parallels the Complete Inactivation of Melatonin Gene Modules. <i>Genes</i> , 2019 , 10,	4.2	9
73	Genome specific <i>PPARβ</i> duplicates in salmonids and insights into estrogenic regulation in brown trout. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2017 , 208-209, 94-101	2.3	8
72	Unusual loss of chymosin in mammalian lineages parallels neo-natal immune transfer strategies. <i>Molecular Phylogenetics and Evolution</i> , 2017 , 116, 78-86	4.1	8
71	The evolutionary portrait of metazoan NAD salvage. <i>PLoS ONE</i> , 2013 , 8, e64674	3.7	8
70	The Quantitative Proteome of the Cement and Adhesive Gland of the Pedunculate Barnacle. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	8
69	Identification of a Novel Nucleobase-Ascorbate Transporter Family Member in Fish and Amphibians. <i>Fishes</i> , 2019 , 4, 1	2.5	7
68	Expression of intercellular lipid transport and cholesterol metabolism genes in eggs and early larvae stages of turbot, <i>Scophthalmus maximus</i> , a marine aquaculture species. <i>Marine Biology</i> , 2015 , 162, 1673-1683	2.5	7
67	Peroxisome proliferator-activated receptor gamma (<i>PPARγ</i>) in brown trout: Interference of estrogenic and androgenic inputs in primary hepatocytes. <i>Environmental Toxicology and Pharmacology</i> , 2016 , 46, 328-336	5.8	7
66	Vitellogenin gene expression in the intertidal blenny <i>Lipophrys pholis</i> : a new sentinel species for estrogenic chemical pollution monitoring in the European Atlantic coast?. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2009 , 149, 58-64	3.2	7
65	The evolutionary road to invertebrate thyroid hormone signaling: Perspectives for endocrine disruption processes. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2019 , 223, 124-138	3.2	6
64	Convergent inactivation of the skin-specific C-C motif chemokine ligand 27 in mammalian evolution. <i>Immunogenetics</i> , 2019 , 71, 363-372	3.2	6
63	PseudoChecker: an integrated online platform for gene inactivation inference. <i>Nucleic Acids Research</i> , 2020 , 48, W321-W331	20.1	6
62	Of Retinoids and Organotins: The Evolution of the Retinoid X Receptor in Metazoa. <i>Biomolecules</i> , 2020 , 10,	5.9	6

61	Anti-androgenic effects of sewage treatment plant effluents in the prosobranch gastropod <i>Nucella lapillus</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2008 , 148, 87-93 ^{3,2}		6
60	Lipid Homeostasis Perturbation by Organotins: Effects on Vertebrates and Invertebrates 2012 , 83-96		6
59	Convergent Loss of the Necroptosis Pathway in Disparate Mammalian Lineages Shapes Viruses Countermeasures. <i>Frontiers in Immunology</i> , 2021 , 12, 747737	8.4	6
58	The evolution of S100A7: an unusual gene expansion in <i>Myotis</i> bats. <i>BMC Evolutionary Biology</i> , 2019 , 19, 102	3	5
57	Ecotoxicology of deep-sea environments: Functional and biochemical effects of suspended sediments in the model species <i>Mytilus galloprovincialis</i> under hyperbaric conditions. <i>Science of the Total Environment</i> , 2019 , 670, 218-225	10.2	5
56	Dietary Creatine Supplementation in Gilthead Seabream (<i>Lateolabrax niloticus</i>) Increases Dorsal Muscle Area and the Expression of <i>PPARα</i> and <i>PPARβ</i> Genes. <i>Frontiers in Endocrinology</i> , 2019 , 10, 161	5.7	5
55	Cartilaginous fishes offer unique insights into the evolution of the nuclear receptor gene repertoire in gnathostomes. <i>General and Comparative Endocrinology</i> , 2020 , 295, 113527	3	5
54	A resource for sustainable management: assembly and annotation of the liver transcriptome of the Atlantic chub mackerel. <i>Data in Brief</i> , 2018 , 18, 276-284	1.2	5
53	Brain and testis: more alike than previously thought?. <i>Open Biology</i> , 2021 , 11, 200322	7	5
52	An Orthologue of the Retinoic Acid Receptor (RAR) Is Present in the Ecdysozoa Phylum Priapulida. <i>Genes</i> , 2019 , 10,	4.2	5
51	Proteogenomic Characterization of the Cement and Adhesive Gland of the Pelagic Gooseneck Barnacle. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	5
50	De novo assembly of the kidney and spleen transcriptomes of the cosmopolitan blue shark, <i>Prionace glauca</i> . <i>Marine Genomics</i> , 2018 , 37, 50-53	1.9	5
49	Cross-interference of two model peroxisome proliferators in peroxisomal and estrogenic pathways in brown trout hepatocytes. <i>Aquatic Toxicology</i> , 2017 , 187, 153-162	5.1	4
48	Evolutionary Plasticity in Detoxification Gene Modules: The Preservation and Loss of the Pregnane X Receptor in Chondrichthyes Lineages. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	4
47	The Echinodermata PPAR: Functional characterization and exploitation by the model lipid homeostasis regulator tributyltin. <i>Environmental Pollution</i> , 2020 , 263, 114467	9.3	4
46	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	2.3	4
45	The cycling gonad: retinoic-acid synthesis and degradation patterns during adult zebrafish <i>Danio rerio</i> oogenesis. <i>Journal of Fish Biology</i> , 2018 , 92, 1051-1064	1.9	4
44	17β-ethynylestradiol and tributyltin mixtures modulates the expression of NER and p53 DNA repair pathways in male zebrafish gonads and disrupt offspring embryonic development. <i>Ecological Indicators</i> , 2018 , 95, 1008-1018	5.8	4

43	Sex-steroids and hypolipidemic chemicals impacts on brown trout lipid and peroxisome signaling - Molecular, biochemical and morphological insights. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2018 , 212, 1-17	3.2	4
42	Pex11 in brown trout (<i>Salmo trutta f. fario</i>): Expression dynamics during the reproductive cycle reveals sex-specific seasonal patterns. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2013 , 164, 207-14	2.6	4
41	Basal Gnathostomes provide unique insights into the evolution of vitamin B12 binders. <i>Genome Biology and Evolution</i> , 2014 , 7, 457-64	3.9	4
40	Molecular characterization of Adh3 from the mollusc <i>Nucella lapillus</i> : tissue gene expression after tributyltin and retinol exposure. <i>Journal of Molluscan Studies</i> , 2012 , 78, 343-348	1.1	4
39	Losing Genes: The Evolutionary Remodeling of Cetacea Skin. <i>Frontiers in Marine Science</i> , 2020 , 7,	4.5	4
38	Evolution and Functional Characteristics of the Novel That Play Pivotal Roles in Fatty Acid Biosynthesis. <i>Genes</i> , 2021 , 12,	4.2	4
37	Testosterone-induced modulation of peroxisomal morphology and peroxisome-related gene expression in brown trout (<i>Salmo trutta f. fario</i>) primary hepatocytes. <i>Aquatic Toxicology</i> , 2017 , 193, 30-39	5.1	3
36	Cultural Heritage Resources Profiling 2018 ,		3
35	Tonnages and displacements in the 16th century. <i>Journal of Archaeological Science</i> , 2013 , 40, 1136-1143	2.9	3
34	The dopamine receptor D gene shows signs of independent erosion in toothed and baleen whales. <i>PeerJ</i> , 2019 , 7, e7758	3.1	3
33	fat-1 transgenic zebrafish are protected from abnormal lipid deposition induced by high-vegetable oil feeding. <i>Applied Microbiology and Biotechnology</i> , 2020 , 104, 7355-7365	5.7	3
32	The Gastric Phenotype in the Cypriniform Loaches: A Case of Reinvention?. <i>PLoS ONE</i> , 2016 , 11, e0163696	3.7	3
31	A drastic shift in the energetic landscape of toothed whale sperm cells. <i>Current Biology</i> , 2021 , 31, 3648-3655.e9	3.5	3
30	Molecular ontogeny of the stomach in the catshark <i>Scyliorhinus canicula</i> . <i>Scientific Reports</i> , 2019 , 9, 586	4.9	2
29	From the Amazon: A comprehensive liver transcriptome dataset of the teleost fish tambaqui,. <i>Data in Brief</i> , 2019 , 23, 103751	1.2	2
28	Cartilaginous fish class II genes reveal unprecedented old allelic lineages and confirm the late evolutionary emergence of DM. <i>Molecular Immunology</i> , 2020 , 128, 125-138	4.3	2
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