

LuÃ-s Filipe C Castro

List of Publications by Year in descending order

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175
papers

4,933
citations

109321

35
h-index

133252

59
g-index

186
all docs

186
docs citations

186
times ranked

5942
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.	11.6	312
2	Genes for de novo biosynthesis of omega-3 polyunsaturated fatty acids are widespread in animals. <i>Science Advances</i> , 2018, 4, eaar6849.	10.3	252
3	Amphioxus functional genomics and the origins of vertebrate gene regulation. <i>Nature</i> , 2018, 564, 64-70.	27.8	224
4	A defined Oct4 level governs cell state transitions of pluripotency entry and differentiation into all embryonic lineages. <i>Nature Cell Biology</i> , 2013, 15, 579-590.	10.3	195
5	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.	4.0	152
6	Morphological diversity of the gastrointestinal tract in fishes. <i>Fish Physiology</i> , 2010, , 1-55.	0.8	124
7	Functional Desaturase Fads1 (F5) and Fads2 (F6) Orthologues Evolved before the Origin of Jawed Vertebrates. <i>PLoS ONE</i> , 2012, 7, e31950.	2.5	121
8	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, 330-338.	4.0	102
9	Two alternative pathways for docosahexaenoic acid (DHA, 22:6n-3) biosynthesis are widespread among teleost fish. <i>Scientific Reports</i> , 2017, 7, 3889.	3.3	102
10	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.	2.0	98
11	The evolutionary history of the stearoyl-CoA desaturase gene family in vertebrates. <i>BMC Evolutionary Biology</i> , 2011, 11, 132.	3.2	90
12	The Mammalian α -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.	2.5	86
13	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, 5292-5295.	7.1	81
14	Tributyltin-induced imposex in marine gastropods involves tissue-specific modulation of the retinoid X receptor. <i>Aquatic Toxicology</i> , 2011, 101, 221-227.	4.0	76
15	Reprogramming capacity of Nanog is functionally conserved in vertebrates and resides in a unique homeodomain. <i>Development (Cambridge)</i> , 2011, 138, 4853-4865.	2.5	69
16	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.	2.6	65
17	No more than 14: the end of the amphioxus Hox cluster. <i>International Journal of Biological Sciences</i> , 2005, 1, 19-23.	6.4	63
18	Diversity and history of the long-chain acyl-CoA synthetase (Acsl) gene family in vertebrates. <i>BMC Evolutionary Biology</i> , 2013, 13, 271.	3.2	60

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19	Evolutionary functional elaboration of the Elov2/5 gene family in chordates. <i>Scientific Reports</i> , 2016, 6, 20510.	3.3	60
20	Underwater Photogrammetry and Object Modeling: A Case Study of Xlendi Wreck in Malta. <i>Sensors</i> , 2015, 15, 30351-30384.	3.8	58
21	Molluscan genomics: the road so far and the way forward. <i>Hydrobiologia</i> , 2020, 847, 1705-1726.	2.0	54
22	Chromosomal mapping of ANTP class homeobox genes in amphioxus: piecing together ancestral genomes. <i>Evolution & Development</i> , 2003, 5, 459-465.	2.0	53
23	Statins: An undesirable class of aquatic contaminants?. <i>Aquatic Toxicology</i> , 2016, 174, 1-9.	4.0	53
24	Chronic effects of clofibric acid in zebrafish (<i>Danio rerio</i>): A multigenerational study. <i>Aquatic Toxicology</i> , 2015, 160, 76-86.	4.0	49
25	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.	1.6	48
26	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, 345-355.	1.0	47
27	The genomic environment around the Aromatase gene: evolutionary insights. <i>BMC Evolutionary Biology</i> , 2005, 5, 43.	3.2	43
28	The estrogen receptor of the gastropod <i>Nucella lapillus</i> : Modulation following exposure to an estrogenic effluent?. <i>Aquatic Toxicology</i> , 2007, 84, 465-468.	4.0	43
29	Organotin levels in seafood from Portuguese markets and the risk for consumers. <i>Chemosphere</i> , 2009, 75, 661-666.	8.2	43
30	A Mollusk Retinoic Acid Receptor (RAR) Ortholog Sheds Light on the Evolution of Ligand Binding. <i>Endocrinology</i> , 2014, 155, 4275-4286.	2.8	43
31	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, 101-109.	2.6	40
32	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, 247-258.	1.6	40
33	Obesogens in the aquatic environment: an evolutionary and toxicological perspective. <i>Environment International</i> , 2017, 106, 153-169.	10.0	40
34	Retention of fatty acyl desaturase 1 (<i>fads1</i>) 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.	3.2	40
35	An antecedent of the MHC-linked genomic region in amphioxus. <i>Immunogenetics</i> , 2004, 55, 782-784.	2.4	38
36	<i>To Bind or Not To Bind</i>: The Taxonomic Scope of Nuclear Receptor Mediated Endocrine Disruption in Invertebrate Phyla. <i>Environmental Science & Technology</i> , 2014, 48, 5361-5363.	10.0	37

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37	A draft genome sequence of the elusive giant squid, <i>Architeuthis dux</i> . <i>GigaScience</i> , 2020, 9, .	6.4	37
38	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.	6.3	36
39	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.	1.6	36
40	Gene expression analysis of ABC efflux transporters, CYP1A and GST \pm in Nile tilapia after exposure to benzo(a)pyrene. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2012, 155, 469-482.	2.6	35
41	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.	1.1	35
42	Polyunsaturated Fatty Acid Biosynthesis and Metabolism in Fish. , 2018, , 31-60.		35
43	The Singularity of Cetacea Behavior Parallels the Complete Inactivation of Melatonin Gene Modules. <i>Genes</i> , 2019, 10, 121.	2.4	34
44	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.	2.4	33
45	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.	8.0	32
46	â€œOut of the Canâ€ A Draft Genome Assembly, Liver Transcriptome, and Nutrigenomics of the European Sardine, <i>Sardina pilchardus</i> . <i>Genes</i> , 2018, 9, 485.	2.4	30
47	Complete Inactivation of Sebum-Producing Genes Parallels the Loss of Sebaceous Glands in Cetacea. <i>Molecular Biology and Evolution</i> , 2019, 36, 1270-1280.	8.9	30
48	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, 747-760.	2.3	29
49	Brain and testis: more alike than previously thought?. <i>Open Biology</i> , 2021, 11, 200322.	3.6	29
50	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.	1.6	28
51	Fluorescentin situHybridisation to Amphioxus Chromosomes. <i>Zoological Science</i> , 2002, 19, 1349-1353.	0.7	27
52	Rapid-behaviour responses as a reliable indicator of estrogenic chemical toxicity in zebrafish juveniles. <i>Chemosphere</i> , 2011, 85, 1543-1547.	8.2	26
53	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, 1513-1522.	2.4	26
54	Retinoid metabolism in invertebrates: When evolution meets endocrine disruption. <i>General and Comparative Endocrinology</i> , 2014, 208, 134-145.	1.8	26

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55	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.	8.0	25
56	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.	12.4	24
57	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.	8.0	23
58	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.	3.6	23
59	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.	1.6	22
60	Evaluation of the Impact of Different Soil Salinization Processes on Organic and Mineral Soils. <i>Water, Air, and Soil Pollution</i> , 2015, 226, 1.	2.4	22
61	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.	1.8	22
62	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.	2.3	21
63	Evolutionary Exploitation of Vertebrate Peroxisome Proliferator-Activated Receptor β by Organotins. <i>Environmental Science & Technology</i> , 2018, 52, 13951-13959.	10.0	21
64	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.	6.0	21
65	Natural history of SLC11 genes in vertebrates: tales from the fish world. <i>BMC Evolutionary Biology</i> , 2011, 11, 106.	3.2	20
66	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.	2.5	20
67	A cytosolic carbonic anhydrase molecular switch occurs in the gills of metamorphic sea lamprey. <i>Scientific Reports</i> , 2016, 6, 33954.	3.3	20
68	The retinoic acid receptor (RAR) in molluscs: Function, evolution and endocrine disruption insights. <i>Aquatic Toxicology</i> , 2019, 208, 80-89.	4.0	20
69	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, 205-218.	1.0	19
70	Seasonal and gender variation of peroxisome proliferator activated receptors expression in brown trout liver. <i>General and Comparative Endocrinology</i> , 2009, 161, 146-152.	1.8	19
71	The Evolution of Pepsinogen C Genes in Vertebrates: Duplication, Loss and Functional Diversification. <i>PLoS ONE</i> , 2012, 7, e32852.	2.5	19
72	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.	2.5	19

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73	Acyl-coenzyme A oxidases 1 and 3 in brown trout (<i>Salmo trutta f. fario</i>): Can peroxisomal fatty acid β^2 -oxidation be regulated by estrogen signaling?. <i>Fish Physiology and Biochemistry</i> , 2016, 42, 389-401.	2.3	19
74	Cetacea are natural knockouts for IL20. <i>Immunogenetics</i> , 2018, 70, 681-687.	2.4	19
75	Dietary Oil Source and Selenium Supplementation Modulate <i>Fads2</i> and <i>Elovl5</i> Transcriptional Levels in Liver and Brain of Meagre (<i>Argyrosomus regius</i>). <i>Lipids</i> , 2016, 51, 729-741.	1.7	18
76	Adaptive evolution of the Retinoid X receptor in vertebrates. <i>Genomics</i> , 2012, 99, 81-89.	2.9	17
77	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.	10.0	17
78	A mollusk VDR/PXR/CAR-like (NR1J) nuclear receptor provides insight into ancient detoxification mechanisms. <i>Aquatic Toxicology</i> , 2016, 174, 61-69.	4.0	16
79	Expansion, retention and loss in the Acyl-CoA synthetase α Bubblegum (<i>Acsbg</i>) gene family in vertebrate history. <i>Gene</i> , 2018, 664, 111-118.	2.2	16
80	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	16
81	The Origin and Diversity of <i>Cpt1</i> Genes in Vertebrate Species. <i>PLoS ONE</i> , 2015, 10, e0138447.	2.5	16
82	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.	0.6	16
83	Estrogenic chemical effects are independent from the degree of sex role reversal in pipefish. <i>Journal of Hazardous Materials</i> , 2013, 263, 746-753.	12.4	15
84	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, 155-162.	4.0	15
85	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.	4.6	15
86	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.	8.2	15
87	Unusual loss of chymosin in mammalian lineages parallels neo-natal immune transfer strategies. <i>Molecular Phylogenetics and Evolution</i> , 2017, 116, 78-86.	2.7	15
88	Of Retinoids and Organotins: The Evolution of the Retinoid X Receptor in Metazoa. <i>Biomolecules</i> , 2020, 10, 594.	4.0	15
89	The Crown Pearl: a draft genome assembly of the European freshwater pearl mussel <i>Margaritifera margaritifera</i> (Linnaeus, 1758). <i>DNA Research</i> , 2021, 28, .	3.4	15
90	Losing Genes: The Evolutionary Remodeling of Cetacea Skin. <i>Frontiers in Marine Science</i> , 2020, 7, .	2.5	15

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91	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.	2.7	14
92	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.	4.0	14
93	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, 133-142.	4.0	14
94	Dietary Creatine Supplementation in Gilthead Seabream (<i>Sparus aurata</i>) Increases Dorsal Muscle Area and the Expression of myod1 and capn1 Genes. <i>Frontiers in Endocrinology</i> , 2019, 10, 161.	3.5	14
95	PseudoChecker: an integrated online platform for gene inactivation inference. <i>Nucleic Acids Research</i> , 2020, 48, W321-W331.	14.5	14
96	Convergent Loss of the Necroptosis Pathway in Disparate Mammalian Lineages Shapes Viruses Countermeasures. <i>Frontiers in Immunology</i> , 2021, 12, 747737.	4.8	14
97	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, 1161-1167.	8.2	13
98	Tissue expression of PPAR-alpha 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, 1043-1055.	2.3	13
99	Transgenerational inheritance of chemical-induced signature: A case study with simvastatin. <i>Environment International</i> , 2020, 144, 106020.	10.0	13
100	The Quantitative Proteome of the Cement and Adhesive Gland of the Pedunculate Barnacle, <i>Pollicipes pollicipes</i> . <i>International Journal of Molecular Sciences</i> , 2020, 21, 2524.	4.1	13
101	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, 249-255.	2.2	12
102	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.	2.6	12
103	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.	8.0	12
104	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.	2.6	11
105	The 17 β -hydroxysteroid dehydrogenase 4: Gender-specific and seasonal gene expression in the liver of brown trout (<i>Salmo trutta f. fario</i>). <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2009, 153, 157-164.	1.6	11
106	ABC transporters, CYP1A and GST \pm gene transcription patterns in developing stages of the Nile tilapia (<i>Oreochromis niloticus</i>). <i>Gene</i> , 2012, 506, 317-324.	2.2	11
107	Genome specific PPAR \pm B 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.	1.6	11
108	Identification of a Novel Nucleobase-Ascorbate Transporter Family Member in Fish and Amphibians. <i>Fishes</i> , 2019, 4, 1.	1.7	11

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109	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.	2.6	11
110	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.	1.1	11
111	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.	1.5	10
112	Retinoid level dynamics during gonad recycling in the limpet <i>Patella vulgata</i> . <i>General and Comparative Endocrinology</i> , 2016, 225, 142-148.	1.8	10
113	LXR ¹ and LXR ² nuclear receptors evolved in the common ancestor of gnathostomes. <i>Genome Biology and Evolution</i> , 2017, 9, eww305.	2.5	10
114	Biofortified Diets Containing Algae and Selenised Yeast: Effects on Growth Performance, Nutrient Utilization, and Tissue Composition of Gilthead Seabream (<i>Sparus aurata</i>). <i>Frontiers in Physiology</i> , 2021, 12, 812884.	2.8	10
115	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.	2.6	9
116	Peroxisome proliferator-activated receptor gamma (PPAR ³) in brown trout: Interference of estrogenic and androgenic inputs in primary hepatocytes. <i>Environmental Toxicology and Pharmacology</i> , 2016, 46, 328-336.	4.0	9
117	The evolution of S100A7: an unusual gene expansion in <i>Myotis</i> bats. <i>BMC Evolutionary Biology</i> , 2019, 19, 102.	3.2	9
118	Convergent inactivation of the skin-specific C-C motif chemokine ligand 27 in mammalian evolution. <i>Immunogenetics</i> , 2019, 71, 363-372.	2.4	9
119	An Orthologue of the Retinoic Acid Receptor (RAR) Is Present in the Ecdysozoa Phylum Priapulida. <i>Genes</i> , 2019, 10, 985.	2.4	9
120	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.	3.6	9
121	The Echinodermata PPAR: Functional characterization and exploitation by the model lipid homeostasis regulator tributyltin. <i>Environmental Pollution</i> , 2020, 263, 114467.	7.5	9
122	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.	1.6	9
123	A network-based approach to identify protein kinases critical for regulating <i>srebf1</i> in lipid deposition causing obesity. <i>Functional and Integrative Genomics</i> , 2021, 21, 557-570.	3.5	9
124	The Evolutionary Portrait of Metazoan NAD Salvage. <i>PLoS ONE</i> , 2013, 8, e64674.	2.5	8
125	The Gastric Phenotype in the Cypriniform Loaches: A Case of Reinvention?. <i>PLoS ONE</i> , 2016, 11, e0163696.	2.5	8
126	Cross-interference of two model peroxisome proliferators in peroxisomal and estrogenic pathways in brown trout hepatocytes. <i>Aquatic Toxicology</i> , 2017, 187, 153-162.	4.0	8

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127	Proteogenomic Characterization of the Cement and Adhesive Gland of the Pelagic Gooseneck Barnacle <i>Lepas anatifera</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 3370.	4.1	8
128	A drastic shift in the energetic landscape of toothed whale sperm cells. <i>Current Biology</i> , 2021, 31, 3648-3655.e9.	3.9	8
129	A resource for sustainable management: De novo assembly and annotation of the liver transcriptome of the Atlantic chub mackerel, <i>Scomber colias</i> . <i>Data in Brief</i> , 2018, 18, 276-284.	1.0	7
130	17 β -ethynilestradiol 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.	6.3	7
131	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, 2331.	4.1	7
132	Transcriptomic data on the transgenerational exposure of the keystone amphipod <i>Gammarus locusta</i> to simvastatin. <i>Data in Brief</i> , 2020, 32, 106248.	1.0	7
133	Convergent Cortistatin losses parallel modifications in circadian rhythmicity and energy homeostasis in Cetacea and other mammalian lineages. <i>Genomics</i> , 2021, 113, 1064-1070.	2.9	7
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170	Regulation of gene expression associated with LC-PUFA metabolism in juvenile tambaqui (<i>Colossoma</i>) <i>Tj ETQq0 0.8 rgBT /Overlock 10 Tf 50</i>	0.8	1
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