

Lus Filipe C Castro

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

168
papers

3,449
citations

32
h-index

51
g-index

186
ext. papers

4,304
ext. citations

4.9
avg, IF

5.48
L-index

#	Paper	IF	Citations
168	A multi-tasking stomach: functional coexistence of acid-peptic digestion and defensive body inflation in three distantly related vertebrate lineages.. <i>Biology Letters</i> , 2022 , 18, 20210583	3.6	1
167	Neuroendocrine pathways at risk? Simvastatin induces inter and transgenerational disruption in the keystone amphipod <i>Gammarus locusta</i> .. <i>Aquatic Toxicology</i> , 2022 , 244, 106095	5.1	1
166	The male and female gonad transcriptome of the edible sea urchin, <i>Paracentrotus lividus</i> : Identification of sex-related and lipid biosynthesis genes. <i>Aquaculture Reports</i> , 2022 , 22, 100936	2.3	0
165	A zebrafish <i>pparg</i> gene deletion reveals a protein kinase network associated with defective lipid metabolism.. <i>Functional and Integrative Genomics</i> , 2022 , 1	3.8	
164	A mitochondrial genome assembly of the opal chimaera, <i>Luchetti, Iglesias et Sellos 2011</i> , using PacBio HiFi long reads.. <i>Mitochondrial DNA Part B: Resources</i> , 2022 , 7, 434-437	0.5	
163	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 , 110749	2.3	0
162	Biofortified Diets Containing Algae and Selenised Yeast: Effects on Growth Performance, Nutrient Utilization, and Tissue Composition of Gilthead Seabream (<i>Lateolabrax niloticus</i>).. <i>Frontiers in Physiology</i> , 2021 , 12, 812884	4.6	1
161	Regulation of gene expression associated with LC-PUFA metabolism in juvenile tambaqui (<i>Colossoma macropomum</i>) fed different dietary oil sources. <i>Aquaculture Research</i> , 2021 , 52, 3923-3934	1.9	1
160	The complete mitochondrial genome of the endemic Iberian pygmy skate <i>Stehmann, Slet, Costa, & Baro 2008</i> (Elasmobranchii, Rajidae). <i>Mitochondrial DNA Part B: Resources</i> , 2021 , 6, 848-850	0.5	0
159	Brain and testis: more alike than previously thought?. <i>Open Biology</i> , 2021 , 11, 200322	7	5
158	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	3.8	0
157	Convergent Cortistatin losses parallel modifications in circadian rhythmicity and energy homeostasis in Cetacea and other mammalian lineages. <i>Genomics</i> , 2021 , 113, 1064-1070	4.3	2
156	Shedding light on the Chimaeridae taxonomy: the complete mitochondrial genome of the cartilaginous fish (Collett, 1904) (Holocephali: Chimaeridae). <i>Mitochondrial DNA Part B: Resources</i> , 2021 , 6, 420-422	0.5	1
155	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
154	A Highly Complex, MHC-Linked, 350 Million-Year-Old Shark Nonclassical Class I Lineage. <i>Journal of Immunology</i> , 2021 , 207, 824-836	5.3	0
153	Functional or Vestigial? The Genomics of the Pineal Gland in Xenarthra. <i>Journal of Molecular Evolution</i> , 2021 , 89, 565-575	3.1	1
152	Evolution and Functional Characteristics of the Novel That Play Pivotal Roles in Fatty Acid Biosynthesis. <i>Genes</i> , 2021 , 12,	4.2	4

151	A drastic shift in the energetic landscape of toothed whale sperm cells. <i>Current Biology</i> , 2021 , 31, 3648-3655.e9,		
150	Complete mitochondrial genome of the ragworm annelid (of Müller, 1776) (Annelida: Nereididae). <i>Mitochondrial DNA Part B: Resources</i> , 2021 , 6, 2849-2851	0.5	2
149	Convergent Loss of the Necroptosis Pathway in Disparate Mammalian Lineages Shapes Viruses Countermeasures. <i>Frontiers in Immunology</i> , 2021 , 12, 747737	8.4	6
148	An ancestral nuclear receptor couple, PPAR-RXR, is exploited by organotins. <i>Science of the Total Environment</i> , 2021 , 797, 149044	10.2	2
147	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
146	PseudoChecker: an integrated online platform for gene inactivation inference. <i>Nucleic Acids Research</i> , 2020 , 48, W321-W331	20.1	6
145	Data collection on the use of embryo bioassays with aquatic animals for toxicity testing and hazard assessment of emerging pollutants. <i>Data in Brief</i> , 2020 , 29, 105220	1.2	1
144	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
143	A draft genome sequence of the elusive giant squid, <i>Architeuthis dux</i> . <i>GigaScience</i> , 2020 , 9,	7.6	17
142	The Echinodermata PPAR: Functional characterization and exploitation by the model lipid homeostasis regulator tributyltin. <i>Environmental Pollution</i> , 2020 , 263, 114467	9.3	4
141	Of Retinoids and Organotins: The Evolution of the Retinoid X Receptor in Metazoa. <i>Biomolecules</i> , 2020 , 10,	5.9	6
140	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
139	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
138	Losing Genes: The Evolutionary Remodeling of Cetacea Skin. <i>Frontiers in Marine Science</i> , 2020 , 7,	4.5	4
137	Molluscan genomics: the road so far and the way forward. <i>Hydrobiologia</i> , 2020 , 847, 1705-1726	2.4	23
136	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
135	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
134	Liver transcriptome resources of four commercially exploited teleost species. <i>Scientific Data</i> , 2020 , 7, 214	8.2	1

133	Transgenerational inheritance of chemical-induced signature: A case study with simvastatin. <i>Environment International</i> , 2020 , 144, 106020	12.9	9
132	Transcriptomic data on the transgenerational exposure of the keystone amphipod to simvastatin. <i>Data in Brief</i> , 2020 , 32, 106248	1.2	2
131	A new gene order in the mitochondrial genome of the deep-sea diaphanous hatchet fish Hermann, 1781 (Stomiiformes: Sternoptychidae). <i>Mitochondrial DNA Part B: Resources</i> , 2020 , 5, 2850-2852	0.5	1
130	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
129	Identification of a Novel Nucleobase-Ascorbate Transporter Family Member in Fish and Amphibians. <i>Fishes</i> , 2019 , 4, 1	2.5	7
128	The retinoic acid receptor (RAR) in molluscs: Function, evolution and endocrine disruption insights. <i>Aquatic Toxicology</i> , 2019 , 208, 80-89	5.1	13
127	Molecular ontogeny of the stomach in the catshark <i>Scyliorhinus canicula</i> . <i>Scientific Reports</i> , 2019 , 9, 5864.9	4.9	2
126	The evolution of S100A7: an unusual gene expansion in <i>Myotis</i> bats. <i>BMC Evolutionary Biology</i> , 2019 , 19, 102	3	5
125	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
124	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
123	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
122	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
121	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
120	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
119	From the Amazon: A comprehensive liver transcriptome dataset of the teleost fish tambaqui,. <i>Data in Brief</i> , 2019 , 23, 103751	1.2	2
118	Dietary Creatine Supplementation in Gilthead Seabream () Increases Dorsal Muscle Area and the Expression of and Genes. <i>Frontiers in Endocrinology</i> , 2019 , 10, 161	5.7	5
117	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
116	The dopamine receptor D gene shows signs of independent erosion in toothed and baleen whales. <i>PeerJ</i> , 2019 , 7, e7758	3.1	3

115	The Singularity of Cetacea Behavior Parallels the Complete Inactivation of Melatonin Gene Modules. <i>Genes</i> , 2019 , 10,	4.2	9
114	An Orthologue of the Retinoic Acid Receptor (RAR) Is Present in the Ecdysozoa Phylum Priapulida. <i>Genes</i> , 2019 , 10,	4.2	5
113	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
112	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
111	Silencing of PPAR β mRNA in brown trout primary hepatocytes: effects on molecular and morphological targets under the influence of an estrogen and a PPAR α agonist. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2019 , 229, 1-9	2.3	1
110	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
109	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
108	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
107	Cultural Heritage Resources Profiling 2018 ,		3
106	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
105	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
104	17 β -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
103	Cetacea are natural knockouts for IL20. <i>Immunogenetics</i> , 2018 , 70, 681-687	3.2	13
102	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
101	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
100	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
99	Polyunsaturated Fatty Acid Biosynthesis and Metabolism in Fish 2018 , 31-60		19
98	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

97	Amphioxus functional genomics and the origins of vertebrate gene regulation. <i>Nature</i> , 2018 , 564, 64-70	50.4	120
96	Evolutionary Exploitation of Vertebrate Peroxisome Proliferator-Activated Receptor β by Organotins. <i>Environmental Science & Technology</i> , 2018 , 52, 13951-13959	10.3	15
95	": A Draft Genome Assembly, Liver Transcriptome, and Nutrigenomics of the European Sardine,. <i>Genes</i> , 2018 , 9,	4.2	24
94	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
93	Total substitution of dietary fish oil by vegetable oils stimulates muscle hypertrophic growth in Senegalese sole and the upregulation of fgf6. <i>Food and Function</i> , 2017 , 8, 1869-1879	6.1	10
92	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
91	Genome specific PPAR β 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
90	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
89	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
88	Testosterone-induced modulation of peroxisomal morphology and peroxisome-related gene expression in brown trout (<i>Salmo trutta</i> f. <i>fario</i>) primary hepatocytes. <i>Aquatic Toxicology</i> , 2017 , 193, 30-39	5.1	3
87	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
86	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
85	Obesogens in the aquatic environment: an evolutionary and toxicological perspective. <i>Environment International</i> , 2017 , 106, 153-169	12.9	28
84	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
83	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
82	Peroxisome proliferator-activated receptor gamma (PPAR γ) 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
81	A cytosolic carbonic anhydrase molecular switch occurs in the gills of metamorphic sea lamprey. <i>Scientific Reports</i> , 2016 , 6, 33954	4.9	12
80	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

79	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
78	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
77	Statins: An undesirable class of aquatic contaminants?. <i>Aquatic Toxicology</i> , 2016 , 174, 1-9	5.1	41
76	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
75	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
74	The Gastric Phenotype in the Cypriniform Loaches: A Case of Reinvention?. <i>PLoS ONE</i> , 2016 , 11, e0163696	3	
73	Evolutionary functional elaboration of the Elovl2/5 gene family in chordates. <i>Scientific Reports</i> , 2016 , 6, 20510	4.9	46
72	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
71	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
70	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
69	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
68	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
67	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
66	Moulds, Graminhos and Ribbands: a pilot study of the construction of saveiros in Valen \tilde{a} and the Ba \tilde{a} de Todos os Santos area, Brazil. <i>International Journal of Nautical Archaeology</i> , 2015 , 44, 410-422	0.2	2
65	Underwater Photogrammetry and Object Modeling: A Case Study of Xlendi Wreck in Malta. <i>Sensors</i> , 2015 , 15, 30351-84	3.8	37
64	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
63	Chronic effects of clofibric acid in zebrafish (<i>Danio rerio</i>): a multigenerational study. <i>Aquatic Toxicology</i> , 2015 , 160, 76-86	5.1	41
62	The Origin and Diversity of Cpt1 Genes in Vertebrate Species. <i>PLoS ONE</i> , 2015 , 10, e0138447	3.7	10

61	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
60	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
59	Retinoid metabolism in invertebrates: when evolution meets endocrine disruption. <i>General and Comparative Endocrinology</i> , 2014 , 208, 134-45	3	22
58	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
57	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
56	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
55	Tissue expression of PPAR-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
54	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
53	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
52	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
51	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
50	Tonnages and displacements in the 16th century. <i>Journal of Archaeological Science</i> , 2013 , 40, 1136-1143	2.9	3
49	Pex11 in brown trout (<i>Salmo trutta</i> f. <i>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
48	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
47	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	2.3	31
46	The evolutionary portrait of metazoan NAD salvage. <i>PLoS ONE</i> , 2013 , 8, e64674	3.7	8
45	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
44	A real-time PCR assay for differential expression of vitellogenin I and II genes in the liver of the sentinel fish species <i>Lipophrys pholis</i> . <i>Toxicology Mechanisms and Methods</i> , 2013 , 23, 591-7	3.6	2

43	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
42	Adaptive evolution of the Retinoid X receptor in vertebrates. <i>Genomics</i> , 2012 , 99, 81-9	4.3	15
41	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
40	Gene expression analysis of ABC efflux transporters, CYP1A and GST π 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
39	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
38	A novel Acetyl-CoA synthetase short-chain subfamily member 1 (Acss1) gene indicates a dynamic history of paralogue retention and loss in vertebrates. <i>Gene</i> , 2012 , 497, 249-55	3.8	10
37	ABC transporters, CYP1A and GST π gene transcription patterns in developing stages of the Nile tilapia (<i>Oreochromis niloticus</i>). <i>Gene</i> , 2012 , 506, 317-24	3.8	10
36	The evolution of pepsinogen C genes in vertebrates: duplication, loss and functional diversification. <i>PLoS ONE</i> , 2012 , 7, e32852	3.7	17
35	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
34	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
33	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
32	Functional desaturase Fads1 (β) and Fads2 (β) orthologues evolved before the origin of jawed vertebrates. <i>PLoS ONE</i> , 2012 , 7, e31950	3.7	95
31	Lipid Homeostasis Perturbation by Organotins: Effects on Vertebrates and Invertebrates 2012 , 83-96		6
30	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
29	Rapid-behaviour responses as a reliable indicator of estrogenic chemical toxicity in zebrafish juveniles. <i>Chemosphere</i> , 2011 , 85, 1543-7	8.4	24
28	Natural history of SLC11 genes in vertebrates: tales from the fish world. <i>BMC Evolutionary Biology</i> , 2011 , 11, 106	3	17
27	The evolutionary history of the stearoyl-CoA desaturase gene family in vertebrates. <i>BMC Evolutionary Biology</i> , 2011 , 11, 132	3	72
26	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

25	Reprogramming capacity of Nanog is functionally conserved in vertebrates and resides in a unique homeodomain. <i>Journal of Cell Science</i> , 2011 , 124, e1-e1	5.3	
24	Morphological diversity of the gastrointestinal tract in fishes. <i>Fish Physiology</i> , 2010 , 1-55	2	73
23	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
22	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
21	The 17beta-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, 157-64	2.3	10
20	Organotin levels in seafood from Portuguese markets and the risk for consumers. <i>Chemosphere</i> , 2009 , 75, 661-666	8.4	33
19	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
18	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
17	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
16	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
15	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
14	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
13	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
12	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
11	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
10	The genomic environment around the Aromatase gene: evolutionary insights. <i>BMC Evolutionary Biology</i> , 2005 , 5, 43	3	39
9	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
8	An antecedent of the MHC-linked genomic region in amphioxus. <i>Immunogenetics</i> , 2004 , 55, 782-4	3.2	35

7	Chromosomal mapping of ANTP class homeobox genes in amphioxus: piecing together ancestral genomes. <i>Evolution & Development</i> , 2003 , 5, 459-65	2.6	47
6	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
5	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
4	Fluorescent in situ hybridisation to amphioxus chromosomes. <i>Zoological Science</i> , 2002 , 19, 1349-53	0.8	24
3	Acid phosphatase polymorphism in European shad (Fish: Clupeids). <i>Biochemical Genetics</i> , 1999 , 37, 251-62.	4	2
2	A drastic shift in the energetic landscape of toothed whale sperm cells		1
1	A genome assembly of the Atlantic chub mackerel (<i>Scomber colias</i>): a valuable teleost fishing resource. <i>GigaByte</i> , 2022, 1-21		