

# László Orbán

## List of Publications by Year in descending order

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Version: 2024-02-01

105  
papers

4,162  
citations

101543

36  
h-index

128289

60  
g-index

112  
all docs

112  
docs citations

112  
times ranked

3773  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bloom syndrome helicase contributes to germ line development and longevity in zebrafish. <i>Cell Death and Disease</i> , 2022, 13, 363.	6.3	4
2	A Neurexin2aa deficiency results in axon pathfinding defects and increased anxiety in zebrafish. <i>Human Molecular Genetics</i> , 2021, 29, 3765-3780.	2.9	15
3	Masculinization of Zebrafish Through Partial Depletion of Primordial Germ by Injecting Diluted Oligonucleotides into. <i>Methods in Molecular Biology</i> , 2021, 2218, 49-60.	0.9	1
4	Toward Genome-Based Selection in Asian Seabass: What Can We Learn From Other Food Fishes and Farm Animals?. <i>Frontiers in Genetics</i> , 2021, 12, 506754.	2.3	8
5	An Alternative, High Throughput Method to Identify Csd Alleles of the Honey Bee. <i>Insects</i> , 2020, 11, 483.	2.2	5
6	Being Merle: The Molecular Genetic Background of the Canine Merle Mutation. <i>Genes</i> , 2020, 11, 660.	2.4	6
7	Insights into the microbiome of farmed Asian sea bass ( <i>Lates calcarifer</i> ) with symptoms of tenacibaculosis and description of <i>Tenacibaculum singaporense</i> sp. nov.. <i>Antonie Van Leeuwenhoek</i> , 2020, 113, 737-752.	1.7	28
8	New observations about the fertilisation capacity and latency time of sperm inseminated into the ovary of African catfish ( <i>Clarias gariepinus</i> ), an oviparous model fish. <i>Aquaculture</i> , 2020, 522, 735109.	3.5	12
9	Exposure of zebrafish to elevated temperature induces sex ratio shifts and alterations in the testicular epigenome of unexposed offspring. <i>Environmental Research</i> , 2020, 186, 109601.	7.5	37
10	Mapping QTL for Omega-3 Content in Hybrid Saline Tilapia. <i>Marine Biotechnology</i> , 2018, 20, 10-19.	2.4	21
11	Heat Shock Factor 5 Is Essential for Spermatogenesis in Zebrafish. <i>Cell Reports</i> , 2018, 25, 3252-3261.e4.	6.4	26
12	B Chromosomes of the Asian Seabass ( <i>Lates calcarifer</i> ) Contribute to Genome Variations at the Level of Individuals and Populations. <i>Genes</i> , 2018, 9, 464.	2.4	11
13	Heat-induced masculinization in domesticated zebrafish is family-specific and yields a set of different gonadal transcriptomes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E941-E950.	7.1	110
14	Species-specific markers provide molecular genetic evidence for natural introgression of bullhead catfishes in Hungary. <i>PeerJ</i> , 2017, 5, e2804.	2.0	1
15	Chromosomal-Level Assembly of the Asian Seabass Genome Using Long Sequence Reads and Multi-layered Scaffolding. <i>PLoS Genetics</i> , 2016, 12, e1005954.	3.5	105
16	A chromosome-level genome assembly of the Asian arowana, <i>Scleropages formosus</i> . <i>Scientific Data</i> , 2016, 3, 160105.	5.3	13
17	The Asian arowana ( <i>Scleropages formosus</i> ) genome provides new insights into the evolution of an early lineage of teleosts. <i>Scientific Reports</i> , 2016, 6, 24501.	3.3	89
18	BAC-pool sequencing and analysis confirms growth-associated QTLs in the Asian seabass genome. <i>Scientific Reports</i> , 2016, 6, 36647.	3.3	5

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19	Mapping QTL for Sex and Growth Traits in Salt-Tolerant Tilapia ( <i>Oreochromis spp. X O. mossambicus</i> ). PLoS ONE, 2016, 11, e0166723.	2.5	22
20	Morpho-histological characterisation of the alimentary canal of an important food fish, Asian seabass ( <i>Lates calcarifer</i> ). PeerJ, 2016, 4, e2377.	2.0	32
21	Transcriptome Survey of a Marine Food Fish: Asian Seabass ( <i>Lates calcarifer</i> ). Journal of Marine Science and Engineering, 2015, 3, 382-400.	2.6	13
22	Early Depletion of Primordial Germ Cells in Zebrafish Promotes Testis Formation. Stem Cell Reports, 2015, 4, 61-73.	4.8	133
23	Nutrigenomic and Nutritional Analyses Reveal the Effects of Pelleted Feeds on Asian Seabass ( <i>Lates calcarifer</i> ). Journal of Applied Aquaculture, 2016, 28, 1-14.	2.5	14
24	Differential Transcriptomic Response in the Spleen and Head Kidney Following Vaccination and Infection of Asian Seabass with <i>Streptococcus iniae</i> . PLoS ONE, 2014, 9, e99128.	2.5	25
25	Barcoding of Asian seabass across its geographic range provides evidence for its bifurcation into two distinct species. Frontiers in Marine Science, 2014, 1, .	2.5	21
26	PCR-based identification of Adriatic specimen of three scorpionfish species ( <i>Scorpaenidae</i> ). Journal of Applied Aquaculture, 2016, 28, 1-2.	0.7	2
27	Gonad Differentiation in Zebrafish Is Regulated by the Canonical Wnt Signaling Pathway1. Biology of Reproduction, 2014, 90, 45.	2.7	79
28	Primary analysis of repeat elements of the Asian seabass ( <i>Lates calcarifer</i> ) transcriptome and genome. Frontiers in Genetics, 2014, 5, 223.	2.3	19
29	Small-scale transcriptomics reveals differences among gonadal stages in Asian seabass ( <i>Lates calcarifer</i> ). Journal of Applied Aquaculture, 2016, 28, 1-36.	3.3	36
30	Zebrafish sex: a complicated affair. Briefings in Functional Genomics, 2014, 13, 172-187.	2.7	193
31	The first transcriptome and genetic linkage map for <i>Asian arowana</i> . Molecular Ecology Resources, 2014, 14, 622-635.	4.8	23
32	Disappearing Scales in Carps: Re-Visiting Kirpichnikov's Model on the Genetics of Scale Pattern Formation. PLoS ONE, 2013, 8, e83327.	2.5	7
33	Activation of NF- $\kappa$ B Protein Prevents the Transition from Juvenile Ovary to Testis and Promotes Ovarian Development in Zebrafish. Journal of Biological Chemistry, 2012, 287, 37926-37938.	3.4	59
34	Polygenic Sex Determination System in Zebrafish. PLoS ONE, 2012, 7, e34397.	2.5	210
35	Re-Visiting Phylogenetic and Taxonomic Relationships in the Genus <i>Saga</i> (Insecta: Orthoptera). PLoS ONE, 2012, 7, e42229.	2.5	8
36	Mapping QTL for an Adaptive Trait: The Length of Caudal Fin in <i>Lates calcarifer</i> . Marine Biotechnology, 2011, 13, 74-82.	2.4	21

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37	Sex-associated DNA markers from turbot. <i>Marine Biology Research</i> , 2011, 7, 378-387.	0.7	13
38	Characterization of nine novel microsatellites isolated from Mozambique tilapia, <i>Oreochromis mossambicus</i> . <i>Conservation Genetics Resources</i> , 2010, 2, 385-387.	0.8	6
39	A standard panel of microsatellites for Asian seabass ( <i>Lates calcarifer</i> ). <i>Animal Genetics</i> , 2010, 41, 208-212.	1.7	26
40	A New Problem with Cross-Species Amplification of Microsatellites: Generation of Non-Homologous Products. <i>Zoological Research</i> , 2010, 31, 131-140.	0.6	21
41	Duplication of <i>fgfr1</i> Permits Fgf Signaling to Serve as a Target for Selection during Domestication. <i>Current Biology</i> , 2009, 19, 1642-1647.	3.9	110
42	Novel microsatellites from the European plaice ( <i>Pleuronectes platessa</i> )—identification by data mining and cross-species amplification in other flatfishes. <i>Conservation Genetics</i> , 2009, 10, 1565-1568.	1.5	1
43	Long and winding roads: Testis differentiation in zebrafish. <i>Molecular and Cellular Endocrinology</i> , 2009, 312, 35-41.	3.2	139
44	Genetic variation and population structure of Asian seabass ( <i>Lates calcarifer</i> ) in the Asia-Pacific region. <i>Aquaculture</i> , 2009, 293, 22-28.	3.5	77
45	Genomic resources and microarrays for the common carp ( <i>Cyprinus carpio</i> L.). <i>Journal of Fish Biology</i> , 2008, 72, 2095-2117.	1.6	60
46	Estimating reproductive success of brooders and heritability of growth traits in Asian sea bass ( <i>Lates</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.8	15
47	Cyprinids. , 2008, , 45-83.		14
48	Zebrafish Androgen Receptor: Isolation, Molecular, and Biochemical Characterization1. <i>Biology of Reproduction</i> , 2008, 78, 361-369.	2.7	109
49	Transcriptomic Analyses Reveal Novel Genes with Sexually Dimorphic Expression in the Zebrafish Gonad and Brain. <i>PLoS ONE</i> , 2008, 3, e1791.	2.5	107
50	Global Expression Profiling in Zebrafish Reveals Genes with Potential Roles in Sexual Differentiation. <i>Biology of Reproduction</i> , 2008, 78, 116-116.	2.7	1
51	Anti-Allerian hormone and 11 $\beta$ -hydroxylase show reciprocal expression to that of aromatase in the transforming gonad of zebrafish males. <i>Developmental Dynamics</i> , 2007, 236, 1329-1338.	1.8	149
52	FluoMEP: A new genotyping method combining the advantages of randomly amplified polymorphic DNA and amplified fragment length polymorphism. <i>Electrophoresis</i> , 2007, 28, 525-534.	2.4	14
53	The timing and extent of "juvenile ovary" phase are highly variable during zebrafish testis differentiation. <i>Journal of Fish Biology</i> , 2007, 70, 33-44.	1.6	131
54	Mutation rate and pattern of microsatellites in common carp ( <i>Cyprinus carpio</i> L.). <i>Genetica</i> , 2007, 129, 329-331.	1.1	67

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55	Comparative genomics in cyprinids: common carp ESTs help the annotation of the zebrafish genome. BMC Bioinformatics, 2006, 7, S2.	2.6	40
56	The complete mitochondrial genome of a basal teleost, the Asian arowana ( <i>Scleropages formosus</i> ), Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.8	73
57	A simple and affordable method for high-throughput DNA extraction from animal tissues for polymerase chain reaction. Electrophoresis, 2005, 26, 3081-3083.	2.4	101
58	Characterization of microsatellites located within the genes of goldfish ( <i>Carassius auratus auratus</i> ). Molecular Ecology Notes, 2004, 4, 404-405.	1.7	5
59	Novel microsatellites from the green swordtail ( <i>Xiphophorus hellerii</i> ) also display polymorphism in guppy ( <i>Poecilia reticulata</i> ). Molecular Ecology Notes, 2004, 4, 474-476.	1.7	7
60	TBP2, a Vertebrate-Specific Member of the TBP Family, Is Required in Embryonic Development of Zebrafish. Current Biology, 2004, 14, 593-598.	3.9	80
61	Comparative Analysis of the Testis and Ovary Transcriptomes in Zebrafish by Combining Experimental and Computational Tools. Comparative and Functional Genomics, 2004, 5, 403-418.	2.0	48
62	Microsatellites within genes and ESTs of common carp and their applicability in silver crucian carp. Aquaculture, 2004, 234, 85-98.	3.5	79
63	Monitoring the genetic diversity of three Asian arowana ( <i>Scleropages formosus</i> ) captive stocks using AFLP and microsatellites. Aquaculture, 2004, 237, 89-102.	3.5	51
64	Microsatellites from <i>Clarias batrachus</i> and their polymorphism in seven additional catfish species. Molecular Ecology Notes, 2003, 3, 465-468.	1.7	18
65	A strain-specific and a sex-associated STS marker for Asian arowana ( <i>Scleropages formosus</i> ), Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	1.8	20
66	Genetic analysis of two common carp broodstocks by RAPD and microsatellite markers. Aquaculture, 2003, 219, 157-167.	3.5	73
67	The <i>vasa</i> Locus in Zebrafish: Multiple RGG Boxes from Duplications. DNA and Cell Biology, 2003, 22, 47-54.	1.9	22
68	Comparison of three DNA marker systems for assessing genetic diversity in Asian arowana ( <i>Scleropages formosus</i> ). Electrophoresis, 2002, 23, 1025-1032.	2.4	44
69	Electrophoretic studies on the phosphorylation of stathmin and mitogen-activated protein kinases in neuronal cell death induced by oxidized very-low-density lipoprotein with apolipoprotein E. Electrophoresis, 2002, 23, 998-1004.	2.4	5
70	Novel Microsatellites from Asian Sea Bass ( <i>Lateolabrax japonicus</i> ) and Their Application to Broodstock Analysis. Marine Biotechnology, 2002, 4, 503-511.	2.4	51
71	Microsatellites from genes show polymorphism in two related <i>Oreochromis</i> species. Molecular Ecology Notes, 2002, 2, 99-100.	1.7	25
72	Polymorphic microsatellites from silver crucian carp ( <i>Carassius auratus gibelio</i> Bloch) and cross-amplification in common carp ( <i>Cyprinus carpio</i> L.). Molecular Ecology Notes, 2002, 2, 534-536.	1.7	28

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73	Extensive search does not identify genomic sex markers in <i>Tetraodon nigroviridis</i> . <i>Journal of Fish Biology</i> , 2002, 61, 1314-1317.	1.6	22
74	Rapid Isolation of DNA from Fresh and Preserved Fish Scales for Polymerase Chain Reaction. <i>Marine Biotechnology</i> , 2001, 3, 199-204.	2.4	72
75	Characterization of Microsatellites in the IGF-2 and GH Genes of Asian Seabass ( <i>Lates calcarifer</i> ). <i>Marine Biotechnology</i> , 2001, 3, 1-3.	2.4	58
76	Rapid isolation and characterization of microsatellites from the genome of Asian arowana ( <i>Scleropages formosus</i> , Osteoglossidae, Pisces). <i>Molecular Ecology</i> , 2000, 9, 1007-1009.	3.9	88
77	Microsatellites from the compact genome of the green spotted pufferfish ( <i>Tetraodon nigroviridis</i> ). <i>Molecular Ecology</i> , 2000, 9, 2205-2207.	3.9	3
78	Male-specific DNA markers from African catfish ( <i>Clarias gariepinus</i> ). <i>Genetica</i> , 2000, 110, 267-276.	1.1	100
79	Heat-Inducible Expression of a Reporter Gene Detected by Transient Assay in Zebrafish. <i>Experimental Cell Research</i> , 2000, 256, 282-290.	2.6	47
80	Accelerated separation of random complex DNA patterns in gels: Comparing the performance of discontinuous and continuous buffers. <i>Electrophoresis</i> , 1999, 20, 1462-1468.	2.4	11
81	Hatching out goldfish from common carp eggs: interspecific androgenesis between two cyprinid species. <i>Genome</i> , 1998, 41, 573-579.	2.0	52
82	Activator effect of coinjected enhancers on the muscle-specific expression of promoters in zebrafish embryos. <i>Molecular Reproduction and Development</i> , 1997, 47, 404-412.	2.0	53
83	High transgene activity in the yolk syncytial layer affects quantitative transient expression assays in zebrafish ( <i>Danio rerio</i> ) embryos. <i>Transgenic Research</i> , 1996, 5, 433-442.	2.4	34
84	Genome and gene manipulation in the common carp. <i>Aquaculture</i> , 1995, 129, 157-181.	3.5	36
85	Liposome-mediated gene transfer in fish embryos. <i>Transgenic Research</i> , 1994, 3, 116-119.	2.4	20
86	Characterization of the electrophoretic properties of nucleosome core particles by transverse polyacrylamide pore gradient gel electrophoresis. <i>Electrophoresis</i> , 1993, 14, 720-724.	2.4	16
87	Agarose electrophoresis of DNA in discontinuous buffers, using a horizontal slab apparatus and a buffer system with improved properties. <i>Electrophoresis</i> , 1993, 14, 179-184.	2.4	7
88	Efficient transient expression system based on square pulse electroporation and in vivo luciferase assay of fertilized fish eggs. <i>FEBS Letters</i> , 1993, 324, 27-32.	2.8	47
89	Computer-aided analysis of DNA curves on transverse gradient gels. <i>Journal of Proteomics</i> , 1992, 24, 171-180.	2.4	11
90	Discontinuous buffer system for polyacrylamide and agarose gel electrophoresis of DNA fragments. <i>Electrophoresis</i> , 1991, 12, 233-240.	2.4	20

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91	Information on DNA conformation derived from the Ferguson plot of DNA fragments of up to 9 kb in size, using polyacrylamide gel electrophoresis in a discontinuous buffer system. <i>Electrophoresis</i> , 1991, 12, 241-246.	2.4	22
92	Detection of conformational and net charge differences in DNA-protein complexes by quantitative electrophoresis on polyacrylamite-agarose copolymer gels. <i>Electrophoresis</i> , 1991, 12, 391-396.	2.4	2
93	Sieving of ionic constituents across moving boundaries in gel electrophoresis. <i>Electrophoresis</i> , 1989, 10, 254-259.	2.4	3
94	A thin-layer multistrip polyacrylamide gel electrophoresis apparatus for ferguson plot analysis at the sub-microgram load level. <i>Electrophoresis</i> , 1989, 10, 726-729.	2.4	9
95	A thin-layer multistrip agarose gel electrophoresis apparatus for Ferguson plot analysis at the sub-microgram load level. <i>Journal of Proteomics</i> , 1989, 19, 105-120.	2.4	3
96	An improved voltage measurement device for gel electrophoresis in tube apparatus. <i>Electrophoresis</i> , 1988, 9, 32-36.	2.4	20
97	Physical identification of a virus in a crude leaf extract by its ferguson plot in agarose gel electrophoresis. <i>Electrophoresis</i> , 1988, 9, 162-166.	2.4	7
98	Discontinuous buffer systems optimized for the agarose gel electrophoresis of subcellular particles. <i>Electrophoresis</i> , 1988, 9, 167-171.	2.4	10
99	Ferguson plots based on absolute mobilities in polyacrylamide gel electrophoresis: Dependence of linearity of polymerization conditions and application to the determination of free mobility. <i>Electrophoresis</i> , 1988, 9, 293-298.	2.4	32
100	Detection of turnip crinkle virus on agarose gel electropherograms at the nanogram load level. <i>Electrophoresis</i> , 1988, 9, 299-302.	2.4	3
101	The effect of various ambient ammonia concentrations on the nitrogen metabolism of carp fry ( <i>Cyprinus carpio</i> L.). <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , 1987, 86, 449-452.	0.6	1
102	Quantitative gel electrophoresis of polystyrene particles with 20-60 nm radii on 30% crosslinked polyacrylamide gel. <i>Electrophoresis</i> , 1987, 8, 465-471.	2.4	6
103	A convex "Ferguson plot" of polystyrene particles in electrophoresis on 0.25 to 2.0 % polyacrylamide (30 % Bis-crosslinked). <i>Electrophoresis</i> , 1987, 8, 471-476.	2.4	14
104	Accumulation of pesticides in the organs of carp, <i>Cyprinus carpio</i> L., at 4 Å° and 20 Å°C. <i>Bulletin of Environmental Contamination and Toxicology</i> , 1987, 39, 370-378.	2.7	20
105	Investigations on Paraquat Toxicity in Fishes. <i>Water International</i> , 1985, 10, 79-81.	1.0	15