

# Ingo Braasch

## 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.

68

papers

4,679

citations

32

h-index

68

g-index

80

ext. papers

5,605

ext. citations

7.7

avg, IF

5.21

L-index

#	Paper	IF	Citations
68	Convergent losses of SSCP genes and ganoid scales among non-teleost actinopterygians. <i>Gene</i> , <b>2021</b> , 811, 146091	3.8	0
67	RADSex: A computational workflow to study sex determination using restriction site-associated DNA sequencing data. <i>Molecular Ecology Resources</i> , <b>2021</b> , 21, 1715-1731	8.4	16
66	Bilateral visual projections exist in non-teleost bony fish and predate the emergence of tetrapods. <i>Science</i> , <b>2021</b> , 372, 150-156	33.3	5
65	Cellular mechanisms of frontal bone development in spotted gar ( <i>Lepisosteus oculatus</i> ). <i>Developmental Dynamics</i> , <b>2021</b> , 250, 1668-1682	2.9	
64	The bowfin genome illuminates the developmental evolution of ray-finned fishes. <i>Nature Genetics</i> , <b>2021</b> , 53, 1373-1384	36.3	9
63	Holosteans contextualize the role of the teleost genome duplication in promoting the rise of evolutionary novelties in the ray-finned fish innate immune system. <i>Immunogenetics</i> , <b>2021</b> , 73, 479-497	3.2	0
62	The sterlet sturgeon genome sequence and the mechanisms of segmental rediploidization. <i>Nature Ecology and Evolution</i> , <b>2020</b> , 4, 841-852	12.3	65
61	Zebrafish Phylogeny and Taxonomy <b>2020</b> , 15-24		3
60	Zebrafish Genetics <b>2020</b> , 25-39		1
59	Genome Evolution: Domestication of the Allopolyploid Goldfish. <i>Current Biology</i> , <b>2020</b> , 30, R812-R815	6.3	2
58	Countershading in zebrafish results from an <i>Asip1</i> controlled dorsoventral gradient of pigment cell differentiation. <i>Scientific Reports</i> , <b>2019</b> , 9, 3449	4.9	26
57	Epigenetic factors <i>Dnmt1</i> and <i>Uhrf1</i> coordinate intestinal development. <i>Developmental Biology</i> , <b>2019</b> , 455, 473-484	3.1	9
56	Analyzing the signaling properties of gar ( <i>Lepisosteus oculatus</i> ) melanocortin receptors: Evaluating interactions with <i>MRAP1</i> and <i>MRAP2</i> . <i>General and Comparative Endocrinology</i> , <b>2019</b> , 282, 113215	3	10
55	Loss-of-function mutations in the melanocortin 1 receptor cause disruption of dorso-ventral countershading in teleost fish. <i>Pigment Cell and Melanoma Research</i> , <b>2019</b> , 32, 817-828	4.5	13
54	Deep evolutionary origin of limb and fin regeneration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 15106-15115	11.5	24
53	Skeletal development in the heterocercal caudal fin of spotted gar ( <i>lepisosteus oculatus</i> ) and other lepisosteiformes. <i>Developmental Dynamics</i> , <b>2018</b> , 247, 724-740	2.9	6
52	Evolution of Endothelin signaling and diversification of adult pigment pattern in <i>Danio</i> fishes. <i>PLoS Genetics</i> , <b>2018</b> , 14, e1007538	6	30

51	Reply to: <del>S</del> ubfunctionalization versus neofunctionalization after whole-genome duplicationV <i>Nature Genetics</i> , <b>2018</b> , 50, 910-911	36.3	11
50	Fish pigmentation and the melanocortin system. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , <b>2017</b> , 211, 26-33	2.6	60
49	BAC Recombineering of the Agouti Loci from Spotted Gar and Zebrafish Reveals the Evolutionary Ancestry of Dorsal-Ventral Pigment Asymmetry in Fish. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , <b>2017</b> , 328, 697-708	1.8	15
48	Evolution of gene expression after whole-genome duplication: New insights from the spotted gar genome. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , <b>2017</b> , 328, 709-721	1.8	33
47	SCPP Genes and Their Relatives in Gar: Rapid Expansion of Mineralization Genes in Osteichthyans. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , <b>2017</b> , 328, 645-665	1.8	14
46	Pth4, an ancient parathyroid hormone lost in eutherian mammals, reveals a new brain-to-bone signaling pathway. <i>FASEB Journal</i> , <b>2017</b> , 31, 569-583	0.9	12
45	Characterization and Evolution of the Spotted Gar Retina. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , <b>2016</b> , 326, 403-421	1.8	14
44	The spotted gar genome illuminates vertebrate evolution and facilitates human-teleost comparisons. <i>Nature Genetics</i> , <b>2016</b> , 48, 427-37	36.3	352
43	Ancient origin of lubricated joints in bony vertebrates. <i>ELife</i> , <b>2016</b> , 5,	8.9	45
42	Gene evolution and gene expression after whole genome duplication in fish: the PhyloFish database. <i>BMC Genomics</i> , <b>2016</b> , 17, 368	4.5	183
41	Deep conservation of wrist and digit enhancers in fish. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 803-8	11.5	96
40	A new model army: Emerging fish models to study the genomics of vertebrate Evo-Devo. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , <b>2015</b> , 324, 316-41	1.8	77
39	Evolution of endothelin receptors in vertebrates. <i>General and Comparative Endocrinology</i> , <b>2014</b> , 209, 21-34	3	20
38	Subdivisions of the adult zebrafish pallium based on molecular marker analysis. <i>F1000Research</i> , <b>2014</b> , 3, 308	3.6	51
37	The evolution of cichlid fish egg-spots is linked with a cis-regulatory change. <i>Nature Communications</i> , <b>2014</b> , 5, 5149	17.4	76
36	Connectivity of vertebrate genomes: Paired-related homeobox (Prrx) genes in spotted gar, basal teleosts, and tetrapods. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , <b>2014</b> , 163, 24-36	3.2	19
35	Subdivisions of the adult zebrafish pallium based on molecular marker analysis. <i>F1000Research</i> , <b>2014</b> , 3, 308	3.6	72
34	The African coelacanth genome provides insights into tetrapod evolution. <i>Nature</i> , <b>2013</b> , 496, 311-6	50.4	488

33	The genome of the platyfish, <i>Xiphophorus maculatus</i> , provides insights into evolutionary adaptation and several complex traits. <i>Nature Genetics</i> , <b>2013</b> , 45, 567-72	36.3	201
32	Evolution of the eye transcriptome under constant darkness in <i>Sinocyclocheilus cavefish</i> . <i>Molecular Biology and Evolution</i> , <b>2013</b> , 30, 1527-43	8.3	58
31	Histone deacetylase-4 is required during early cranial neural crest development for generation of the zebrafish palatal skeleton. <i>BMC Developmental Biology</i> , <b>2012</b> , 12, 16	3.1	30
30	Polyploidy in Fish and the Teleost Genome Duplication <b>2012</b> , 341-383		73
29	Multiple sex-associated regions and a putative sex chromosome in zebrafish revealed by RAD mapping and population genomics. <i>PLoS ONE</i> , <b>2012</b> , 7, e40701	3.7	161
28	Conserved synteny and the zebrafish genome. <i>Methods in Cell Biology</i> , <b>2011</b> , 104, 259-85	1.8	40
27	Expansion of the Ago gene family in the teleost clade. <i>Development Genes and Evolution</i> , <b>2011</b> , 221, 95-108		8
26	The teleost agouti-related protein 2 gene is an ohnolog gone missing from the tetrapod genome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, E47-8	11.5	26
25	Transcriptional rewiring of the sex determining dmrt1 gene duplicate by transposable elements. <i>PLoS Genetics</i> , <b>2010</b> , 6, e1000844	6	86
24	A novel marker for the platyfish ( <i>Xiphophorus maculatus</i> ) W chromosome is derived from a Polinton transposon. <i>Journal of Genetics and Genomics</i> , <b>2010</b> , 37, 181-8	4	5
23	Lineage-specific co-evolution of the Egf receptor/ligand signaling system. <i>BMC Evolutionary Biology</i> , <b>2010</b> , 10, 27	3	26
22	Pigmentation pathway evolution after whole-genome duplication in fish. <i>Genome Biology and Evolution</i> , <b>2009</b> , 1, 479-93	3.9	84
21	The endothelin system: evolution of vertebrate-specific ligand-receptor interactions by three rounds of genome duplication. <i>Molecular Biology and Evolution</i> , <b>2009</b> , 26, 783-99	8.3	68
20	Genome desertification in eutherians: can gene deserts explain the uneven distribution of genes in placental mammalian genomes?. <i>Journal of Molecular Evolution</i> , <b>2009</b> , 69, 207-16	3.1	7
19	In ovo omnia: diversification by duplication in fish and other vertebrates. <i>Journal of Biology</i> , <b>2009</b> , 8, 25		15
18	Regulatory back-up circuit of medaka Wt1 co-orthologs ensures PGC maintenance. <i>Developmental Biology</i> , <b>2009</b> , 325, 179-88	3.1	28
17	Pigmentary function and evolution of tyrp1 gene duplicates in fish. <i>Pigment Cell and Melanoma Research</i> , <b>2009</b> , 22, 839-50	4.5	59
16	The evolution of teleost pigmentation and the fish-specific genome duplication. <i>Journal of Fish Biology</i> , <b>2008</b> , 73, 1891-1918	1.9	37

15	Annotation of expressed sequence tags for the East African cichlid fish <i>Astatotilapia burtoni</i> and evolutionary analyses of cichlid ORFs. <i>BMC Genomics</i> , <b>2008</b> , 9, 96	4.5	47
14	Adaptive sequence evolution in a color gene involved in the formation of the characteristic egg-dummies of male haplochromine cichlid fishes. <i>BMC Biology</i> , <b>2007</b> , 5, 51	7.3	83
13	Evolution of pigment synthesis pathways by gene and genome duplication in fish. <i>BMC Evolutionary Biology</i> , <b>2007</b> , 7, 74	3	154
12	Comparative genomics of ParaHox clusters of teleost fishes: gene cluster breakup and the retention of gene sets following whole genome duplications. <i>BMC Genomics</i> , <b>2007</b> , 8, 312	4.5	38
11	Evolution of melanocortin receptors in teleost fish: the melanocortin type 1 receptor. <i>Gene</i> , <b>2007</b> , 401, 114-22	3.8	54
10	Many genes in fish have species-specific asymmetric rates of molecular evolution. <i>BMC Genomics</i> , <b>2006</b> , 7, 20	4.5	89
9	A BAC library of the East African haplochromine cichlid fish <i>Astatotilapia burtoni</i> . <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , <b>2006</b> , 306, 35-44	1.8	28
8	Asymmetric evolution in two fish-specifically duplicated receptor tyrosine kinase paralogs involved in teleost coloration. <i>Molecular Biology and Evolution</i> , <b>2006</b> , 23, 1192-202	8.3	67
7	Molecular analysis of the sex-determining region of the platyfish <i>Xiphophorus maculatus</i> . <i>Zebrafish</i> , <b>2006</b> , 3, 299-309	2	19
6	Genome duplication, a trait shared by 22000 species of ray-finned fish. <i>Genome Research</i> , <b>2003</b> , 13, 382-907	9.7	671
5	The ghost of selection past: rates of evolution and functional divergence of anciently duplicated genes. <i>Journal of Molecular Evolution</i> , <b>2001</b> , 53, 436-46	3.1	158
4	Comparative genomics provides evidence for an ancient genome duplication event in fish. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2001</b> , 356, 1661-79	5.8	386
3	The genome of the bowfin ( <i>Amia calva</i> ) illuminates the developmental evolution of ray-finned fishes		3
2	RADSex: a computational workflow to study sex determination using Restriction Site-Associated DNA Sequencing data		1
1	Evolution of the nitric oxide synthase family in vertebrates and novel insights in gill development		2