FrÃ©dÃ©ric G Brunet

List of Publications by Year
in descending order

42 papers	4,586 citations	186265 28 h-index	289244 40 g-index
42 all docs	42 docs citations	42 times ranked	6232 citing authors

#	Article	IF	Citations
1	Coupling between Sequence-Mediated Nucleosome Organization and Genome Evolution. Genes, 2021, 12, 851.	2.4	5
2	Teleost Fish-Specific Preferential Retention of Pigmentation Gene-Containing Families After Whole Genome Duplications in Vertebrates. G3: Genes, Genomes, Genetics, 2018, 8, 1795-1806.	1.8	40
3	Evidence for DNA Sequence Encoding of an Accessible Nucleosomal Array across Vertebrates. Biophysical Journal, 2018, 114, 2308-2316.	0.5	8
4	Case Studies of Seven Gene Families with Unusual High Retention Rate Since the Vertebrate and Teleost Whole-Genome Duplications. , 2017, , 369-396.		3
5	Expansion by whole genome duplication and evolution of the sox gene family in teleost fish. PLoS ONE, 2017, 12, e0180936.	2.5	51
6	Whole Genome Duplications Shaped the Receptor Tyrosine Kinase Repertoire of Jawed Vertebrates. Genome Biology and Evolution, 2016, 8, 1600-1613.	2.5	38
7	Not so bad after all: retroviruses and long terminal repeat retrotransposons as a source of new genes in vertebrates. Clinical Microbiology and Infection, 2016, 22, 312-323.	6.0	50
8	The evolutionary conservation of the A Disintegrin-like and Metalloproteinase domain with Thrombospondin-1 motif metzincins across vertebrate species and their expression in teleost zebrafish. BMC Evolutionary Biology, 2015, 15, 22.	3.2	28
9	Estrogenâ€related receptor Î^{3} is an <i>in vivo</i> receptor of bisphenol A. FASEB Journal, 2014, 28, 3124-3133.	0.5	115
10	Gene Amplification and Functional Diversification of Melanocortin 4 Receptor at an Extremely Polymorphic Locus Controlling Sexual Maturation in the Platyfish. Genetics, 2013, 195, 1337-1352.	2.9	22
11	The N-terminal domains of TRF1 and TRF2 regulate their ability to condense telomeric DNA. Nucleic Acids Research, 2012, 40, 2566-2576.	14.5	64
12	Fasting Induces CART Down-Regulation in the Zebrafish Nervous System in a Cannabinoid Receptor 1-Dependent Manner. Molecular Endocrinology, 2012, 26, 1316-1326.	3.7	70
13	Expression and phylogeny of candidate genes for sex differentiation in a primitive fish species, the Siberian sturgeon, <i>Acipenser baerii</i>. Molecular Reproduction and Development, 2012, 79, 504-516.	2.0	45
14	BMP Signaling Modulates Hepcidin Expression in Zebrafish Embryos Independent of Hemojuvelin. PLoS ONE, 2011, 6, e14553.	2.5	20
15	Evolution of Retinoid and Steroid Signaling: Vertebrate Diversification from an Amphioxus Perspective. Genome Biology and Evolution, 2011, 3, 985-1005.	2.5	42
16	Structural shifts of aldehyde dehydrogenase enzymes were instrumental for the early evolution of retinoid-dependent axial patterning in metazoans. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 226-231.	7.1	57
17	Genome-wide expression analyses establish dendritic cells as a new osteoclast precursor able to generate bone-resorbing cells more efficiently than monocytes. Journal of Bone and Mineral Research, 2010, 25, 661-672.	2.8	61
18	Pigmentation Pathway Evolution after Whole-Genome Duplication in Fish. Genome Biology and Evolution, 2009, 1, 479-493.	2.5	104

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19	Molecular analysis of the sex chromosomes of the platyfish <i>Xiphophorus maculatus</i>: Towards the identification of a new type of master sexual regulator in vertebrates. Integrative Zoology, 2009, 4, 277-284.	2.6	5
20	Transposable elements as drivers of genomic and biological diversity in vertebrates. Chromosome Research, 2008, 16, 203-215.	2.2	198
21	Nuclear hormone receptor signaling in amphioxus. Development Genes and Evolution, 2008, 218, 651-665.	0.9	42
22	The amphioxus genome enlightens the evolution of the thyroid hormone signaling pathway. Development Genes and Evolution, 2008, 218, 667-680.	0.9	59
23	Amphioxus Postembryonic Development Reveals the Homology of Chordate Metamorphosis. Current Biology, 2008, 18, 825-830.	3.9	132
24	Repetitive Element-Mediated Recombination as a Mechanism for New Gene Origination in Drosophila. PLoS Genetics, 2008, 4, e3.	3.5	80
25	OTX5 Regulates Pineal Expression of the Zebrafish REV-ERBÎ± through a New DNA Binding Site. Molecular Endocrinology, 2008, 22, 23-32.	3.7	7
26	Gene Loss and Evolutionary Rates Following Whole-Genome Duplication in Teleost Fishes. Molecular Biology and Evolution, 2006, 23, 1808-1816.	8.9	352
27	The rapid divergence of the ecdysone receptor is a synapomorphy for Mecopterida that clarifies the Strepsiptera problem. Insect Molecular Biology, 2006, 15, 351-362.	2.0	42
28	Highly Variable Rates of Genome Rearrangements between Hemiascomycetous Yeast Lineages. PLoS Genetics, 2006, 2, e32.	3.5	94
29	Phylogenomics of Life-Or-Death Switches in Multicellular Animals: Bcl-2, BH3-Only, and BNip Families of Apoptotic Regulators. Molecular Biology and Evolution, 2005, 22, 2395-2416.	8.9	108
30	Highly variable rates of genome rearrangements between Hemiascomycetous yeast lineages. PLoS Genetics, 2005, preprint, e32.	3.5	0
31	Evolutionary Genomics of Nuclear Receptors: From Twenty-Five Ancestral Genes to Derived Endocrine Systems. Molecular Biology and Evolution, 2004, 21, 1923-1937.	8.9	319
32	Evolving protein functional diversity in new genes of Drosophila. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 16246-16250.	7.1	105
33	Genome duplication in the teleost fish Tetraodon nigroviridis reveals the early vertebrate proto-karyotype. Nature, 2004, 431, 946-957.	27.8	1,801
34	Origin of New Genes: Evidence from Experimental and Computational Analyses. Genetica, 2003, 118, 171-182.	1.1	54
35	Inventing a Sex-Specific Gene: A Conserved Role of DMRT1 in Teleost Fishes Plus a Recent Duplication in the Medaka Oryzias latipes Resulted in DMY. Journal of Molecular Evolution, 2003, 57, S148-S153.	1.8	27
36	Origin of new genes: evidence from experimental and computational analyses. Contemporary Issues in Genetics and Evolution, 2003, , 171-182.	0.9	1

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37	Origin of<i>sphinx</i>, a young chimeric RNA gene in<i>Drosophila</i> <i>melanogaster</i>. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 4448-4453.	7.1	127
38	Intron presence-absence polymorphism in Drosophila driven by positive Darwinian selection. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 8121-8126.	7.1	91
39	Do Deletions of Mos1-Like Elements Occur Randomly in the Drosophilidae Family?. Journal of Molecular Evolution, 2002, 54, 227-234.	1.8	26
40	Phylogenetic Analysis of Mos1-Like Transposable Elements in the Drosophilidae. Journal of Molecular Evolution, 1999, 49, 760-768.	1.8	25
41	A Mariner-Like Transposable Element in the Insect Parasite Nematode Heterorhabditis bacteriophora. Journal of Molecular Evolution, 1999, 48, 328-336.	1.8	16
42	Horizontal transmission versus ancient origin:Mariner in the witness box. Genetica, 1994, 93, 161-170.	1.1	52