

Nicolas Pollet

List of Publications by Year in descending order

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69
papers

4,781
citations

201674

27
h-index

106344

65
g-index

74
all docs

74
docs citations

74
times ranked

7460
citing authors

#	ARTICLE	IF	CITATIONS
1	A New Method for Sequencing the Mitochondrial Genome by Using Long Read Technology. <i>Methods in Molecular Biology</i> , 2021, 2277, 331-343.	0.9	1
2	Transcriptomic analysis of the trade-off between endurance and burst-performance in the frog <i>Xenopus allofraseri</i> . <i>BMC Genomics</i> , 2021, 22, 204.	2.8	1
3	Ancient Adaptive Lateral Gene Transfers in the Symbiotic <i>Opalina</i> – <i>Blastocystis</i> Stramenopile Lineage. <i>Molecular Biology and Evolution</i> , 2020, 37, 651-659.	8.9	7
4	Evolutionary Dynamics of the Repetitive DNA in the Karyotypes of <i>Pipa carvalhoi</i> and <i>Xenopus tropicalis</i> (Anura, Pipidae). <i>Frontiers in Genetics</i> , 2020, 11, 637.	2.3	7
5	A new method for long-read sequencing of animal mitochondrial genomes: application to the identification of equine mitochondrial DNA variants. <i>BMC Genomics</i> , 2020, 21, 785.	2.8	9
6	Identification of novel cis-regulatory elements of <i>Eya1</i> in <i>Xenopus laevis</i> using BAC recombineering. <i>Scientific Reports</i> , 2017, 7, 15033.	3.3	2
7	Construction and characterization of a BAC library for functional genomics in <i>Xenopus tropicalis</i> . <i>Developmental Biology</i> , 2017, 426, 255-260.	2.0	2
8	Implication of thyroid hormone signaling in neural crest cells migration: Evidence from thyroid hormone receptor beta knockdown and NH3 antagonist studies. <i>Molecular and Cellular Endocrinology</i> , 2017, 439, 233-246.	3.2	23
9	Synchrotron analysis of a “mummified” salamander (Vertebrata: Caudata) from the Eocene of Quercy, France. <i>Zoological Journal of the Linnean Society</i> , 2016, 177, 147-164.	2.3	9
10	Generation of BAC Transgenic Tadpoles Enabling Live Imaging of Motoneurons by Using the Urotensin II-Related Peptide (<i>ust2b</i>) Gene as a Driver. <i>PLoS ONE</i> , 2015, 10, e0117370.	2.5	10
11	Microbiota and Mucosal Immunity in Amphibians. <i>Frontiers in Immunology</i> , 2015, 6, 111.	4.8	128
12	Comparison of T7E1 and Surveyor Mismatch Cleavage Assays to Detect Mutations Triggered by Engineered Nucleases. <i>G3: Genes, Genomes, Genetics</i> , 2015, 5, 407-415.	1.8	260
13	<i>Pax3</i> and <i>Zic1</i> trigger the early neural crest gene regulatory network by the direct activation of multiple key neural crest specifiers. <i>Developmental Biology</i> , 2014, 386, 461-472.	2.0	111
14	Insights on genome size evolution from a miniature inverted repeat transposon driving a satellite DNA. <i>Molecular Phylogenetics and Evolution</i> , 2014, 81, 1-9.	2.7	15
15	How minute sooglossid frogs hear without a middle ear. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 15360-15364.	7.1	26
16	Validation of novel reference genes for RT-qPCR studies of gene expression in <i>Xenopus tropicalis</i> during embryonic and post-embryonic development. <i>Developmental Dynamics</i> , 2013, 242, 709-717.	1.8	30
17	ncRNAclassifier: a tool for detection and classification of transposable element sequences in RNA hairpins. <i>BMC Bioinformatics</i> , 2012, 13, 246.	2.6	25
18	Databases of Gene Expression in <i>Xenopus</i> Development. <i>Methods in Molecular Biology</i> , 2012, 917, 319-345.	0.9	5

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19	A large scale screen for neural stem cell markers in <i>Xenopus</i> retina. <i>Developmental Neurobiology</i> , 2012, 72, 491-506.	3.0	25
20	Characterization of a novel <i>Xenopus tropicalis</i> cell line as a model for in vitro studies. <i>Genesis</i> , 2012, 50, 316-324.	1.6	28
21	Compound toxicity screening and structure-activity relationship modeling in <i>Escherichia coli</i> . <i>Biotechnology and Bioengineering</i> , 2012, 109, 846-850.	3.3	50
22	Whispering to the Deaf: Communication by a Frog without External Vocal Sac or Tympanum in Noisy Environments. <i>PLoS ONE</i> , 2011, 6, e22080.	2.5	30
23	Tissue-specific expression of Sarcoplasmic/Endoplasmic Reticulum Calcium ATPases (ATP2A/SERCA) 1, 2, 3 during <i>Xenopus laevis</i> development. <i>Gene Expression Patterns</i> , 2011, 11, 122-128.	0.8	8
24	Characterization of a <i>Xenopus tropicalis</i> Endogenous Retrovirus with Developmental and Stress-Dependent Expression. <i>Journal of Virology</i> , 2011, 85, 2167-2179.	3.4	15
25	Nuclear Importation of Mariner Transposases among Eukaryotes: Motif Requirements and Homo-Protein Interactions. <i>PLoS ONE</i> , 2011, 6, e23693.	2.5	15
26	Reduced levels of survival motor neuron protein leads to aberrant motoneuron growth in a <i>Xenopus</i> model of muscular atrophy. <i>Neurogenetics</i> , 2010, 11, 27-40.	1.4	22
27	Expression of immune genes during metamorphosis of <i>Xenopus</i> : a survey. <i>Frontiers in Bioscience - Landmark</i> , 2010, 15, 348.	3.0	5
28	Identification of the pre-T-cell receptor α chain in nonmammalian vertebrates challenges the structure-function of the molecule. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 19991-19996.	7.1	23
29	The Genome of the Western Clawed Frog <i>Xenopus tropicalis</i> . <i>Science</i> , 2010, 328, 633-636.	12.6	708
30	A new tree-frog genus and species from Ivory Coast, West Africa (Amphibia: Anura: Hyperoliidae). <i>Zootaxa</i> , 2009, 2044, 23-45.	0.5	21
31	Database of queryable gene expression patterns for <i>Xenopus</i> . <i>Developmental Dynamics</i> , 2009, 238, 1379-1388.	1.8	19
32	Irradiation damage to frog inner ear during synchrotron radiation tomographic investigation. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2009, 170, 37-41.	1.7	5
33	An ontology for <i>Xenopus</i> anatomy and development. <i>BMC Developmental Biology</i> , 2008, 8, 92.	2.1	48
34	Minimum information specification for in situ hybridization and immunohistochemistry experiments (MISFISHIE). <i>Nature Biotechnology</i> , 2008, 26, 305-312.	17.5	111
35	Evaluation of time profile reconstruction from complex two-color microarray designs. <i>BMC Bioinformatics</i> , 2008, 9, 1.	2.6	875
36	Evading the annotation bottleneck: using sequence similarity to search non-sequence gene data. <i>BMC Bioinformatics</i> , 2008, 9, 442.	2.6	14

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37	Transgenesis procedures in <i>Xenopus</i> . <i>Biology of the Cell</i> , 2008, 100, 503-529.	2.0	48
38	Identification of CUG-BP1/EDEN-BP target mRNAs in <i>Xenopus tropicalis</i> . <i>Nucleic Acids Research</i> , 2008, 36, 1861-1870.	14.5	45
39	Xenbase: a <i>Xenopus</i> biology and genomics resource. <i>Nucleic Acids Research</i> , 2007, 36, D761-D767.	14.5	116
40	Properties of the various Botmar1 transcripts in imagoes of the bumble bee, <i>Bombus terrestris</i> (Hymenoptera: Apidae). <i>Gene</i> , 2007, 390, 52-66.	2.2	4
41	TBid mediated activation of the mitochondrial death pathway leads to genetic ablation of the lens in <i>Xenopus laevis</i> . <i>Genesis</i> , 2007, 45, 1-10.	1.6	9
42	Exploring nervous system transcriptomes during embryogenesis and metamorphosis in <i>Xenopus tropicalis</i> using EST analysis. <i>BMC Genomics</i> , 2007, 8, 118.	2.8	14
43	The olig family: phylogenetic analysis and early gene expression in <i>Xenopus tropicalis</i> . <i>Development Genes and Evolution</i> , 2007, 217, 485-497.	0.9	13
44	Generation of transgenic <i>Xenopus laevis</i> using the Sleeping Beauty transposon system. <i>Transgenic Research</i> , 2006, 15, 751-760.	2.4	66
45	The mariner Transposons Belonging to the irritans Subfamily Were Maintained in Chordate Genomes by Vertical Transmission. <i>Journal of Molecular Evolution</i> , 2006, 62, 53-65.	1.8	18
46	Identification of post-transcriptionally regulated <i>Xenopus tropicalis</i> maternal mRNAs by microarray. <i>Nucleic Acids Research</i> , 2006, 34, 986-995.	14.5	48
47	Post-transcriptional regulation in <i>Xenopus</i> embryos: role and targets of EDEN-BP. <i>Biochemical Society Transactions</i> , 2005, 33, 1541.	3.4	9
48	Characterization of multiple lineages of Tc1-like elements within the genome of the amphibian <i>Xenopus tropicalis</i> . <i>Gene</i> , 2005, 349, 187-196.	2.2	29
49	An atlas of differential gene expression during early <i>Xenopus</i> embryogenesis. <i>Mechanisms of Development</i> , 2005, 122, 365-439.	1.7	60
50	Reliability of gene expression ratios for cDNA microarrays in multiconditional experiments with a reference design. <i>Nucleic Acids Research</i> , 2004, 32, 29e-29.	14.5	30
51	The transmembrane protein XFLRT3 forms a complex with FGF receptors and promotes FGF signalling. <i>Nature Cell Biology</i> , 2004, 6, 38-44.	10.3	149
52	Cyclic expression of <i>esr9</i> gene in <i>Xenopus</i> presomitic mesoderm. <i>Differentiation</i> , 2003, 71, 83-89.	1.9	62
53	In situ analysis of gene expression in <i>Xenopus</i> embryos. <i>Comptes Rendus - Biologies</i> , 2003, 326, 1011-1017.	0.2	11
54	Large Scale Expression Screening Identifies Molecular Pathways and Predicts Gene function. , 2002, , 27-35.		0

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55	Cloning and Characterization of Plx2 and Plx3, Two Additional Polo-like Kinases from <i>Xenopus laevis</i> . <i>Experimental Cell Research</i> , 2001, 270, 78-87.	2.6	29
56	Increased XRALDH2 activity has a posteriorizing effect on the central nervous system of <i>Xenopus</i> embryos. <i>Mechanisms of Development</i> , 2001, 101, 91-103.	1.7	112
57	Nrarp is a novel intracellular component of the Notch signaling pathway. <i>Genes and Development</i> , 2001, 15, 1885-1899.	5.9	153
58	Expression Profiling by Systematic High-Throughput In Situ Hybridization to Whole-Mount Embryos. , 2001, 175, 309-321.		10
59	Features of the mammal mar1 transposons in the human, sheep, cow, and mouse genomes and implications for their evolution. <i>Mammalian Genome</i> , 2000, 11, 1111-1116.	2.2	10
60	Axeldb: a <i>Xenopus laevis</i> database focusing on gene expression. <i>Nucleic Acids Research</i> , 2000, 28, 139-140.	14.5	22
61	Synexpression groups in eukaryotes. <i>Nature</i> , 1999, 402, 483-487.	27.8	386
62	Mutations in JAGGED1 gene are predominantly sporadic in Alagille syndrome. <i>Gastroenterology</i> , 1999, 116, 1141-1148.	1.3	178
63	Periodic repression of Notch pathway genes governs the segmentation of <i>Xenopus</i> embryos. <i>Genes and Development</i> , 1999, 13, 1486-1499.	5.9	127
64	Gene expression screening in <i>Xenopus</i> identifies molecular pathways, predicts gene function and provides a global view of embryonic patterning. <i>Mechanisms of Development</i> , 1998, 77, 95-141.	1.7	198
65	Construction of an Integrated Physical and Gene Map of Human Chromosome 20p12 Providing Candidate Genes for Alagille Syndrome. <i>Genomics</i> , 1997, 42, 489-498.	2.9	11
66	Construction of a 3.7-Mb Physical Map within Human Chromosome 20p12 Ordering 18 Markers in the Alagille Syndrome Locus. <i>Genomics</i> , 1995, 27, 467-474.	2.9	19
67	Human and other mammalian genomes contain transposons of the mariner family. <i>FEBS Letters</i> , 1995, 368, 541-546.	2.8	81
68	Deleted Chromosome 20 from a patient with Alagille syndrome isolated in a cell hybrid through leucine transport selection: study of three candidate genes. <i>Mammalian Genome</i> , 1994, 5, 663-669.	2.2	7
69	Gut microbial ecology of <i>Xenopus</i> tadpoles across life stages. , 0, 1, .		7