Giant lungfish genome elucidates the conquest of land b

Nature

590, 284-289

DOI: 10.1038/s41586-021-03198-8

Citation Report

#	Article	IF	Citations
1	Giant genomes of lungfish. Nature Reviews Genetics, 2021, 22, 199-199.	7.7	1
2	Transposable Elements and Stress in Vertebrates: An Overview. International Journal of Molecular Sciences, 2021, 22, 1970.	1.8	23
3	The immune system of sturgeons and paddlefish (Acipenseriformes): a review with new data from a chromosomeâ€scale sturgeon genome. Reviews in Aquaculture, 2021, 13, 1709-1729.	4.6	9
7	African lungfish genome sheds light on the vertebrate water-to-land transition. Cell, 2021, 184, 1362-1376.e18.	13.5	99
8	Genome Sequencing and Assembly Strategies and a Comparative Analysis of the Genomic Characteristics in Penaeid Shrimp Species. Frontiers in Genetics, 2021, 12, 658619.	1.1	14
10	Neoceratodus forsteri (Australian lungfish). Trends in Genetics, 2021, 37, 600-601.	2.9	0
12	Improved Understanding of the Role of Gene and Genome Duplications in Chordate Evolution With New Genome and Transcriptome Sequences. Frontiers in Ecology and Evolution, 2021, 9, .	1.1	8
13	The Structural, Functional and Evolutionary Impact of Transposable Elements in Eukaryotes. Genes, 2021, 12, 918.	1.0	31
14	Investigation of the activity of transposable elements and genes involved in their silencing in the newt Cynops orientalis, a species with a giant genome. Scientific Reports, 2021, 11, 14743.	1.6	7
16	A brief review of vertebrate sex evolution with a pledge for integrative research: towards â€˜sexomicsâ€™. Philosophical Transactions of the Royal Society B: Biological Sciences, 2021, 376, 20200426.	1.8	39
17	Phylogenomics Based on Transcriptome Data Provides Evidence for the Internal Phylogenetic Relationships and Potential Terrestrial Evolutionary Genes of Lungfish. Frontiers in Marine Science, 2021, 8, .	1.2	5
19	Beyond â€œliving fossilsâ€: Can comparative genomics finally reveal novelty?. Molecular Ecology Resources, 2022, 22, 9-11.	2.2	2
20	The bowfin genome illuminates the developmental evolution of ray-finned fishes. Nature Genetics, 2021, 53, 1373-1384.	9.4	48
21	Earliest migratory cephalic NC cells are potent to differentiate into dental ectomesenchyme of the two lungfish dentitions: tetrapodomorph ancestral condition of unconstrained capability of mesencephalic NC cells to form oral teeth. Die Naturwissenschaften, 2021, 108, 37.	0.6	0
22	Toward the massive genome of Proteus anguinusâ€”illuminating longevity, regeneration, convergent evolution, and metabolic disorders. Annals of the New York Academy of Sciences, 2022, 1507, 5-11.	1.8	11
23	Factors Regulating the Activity of LINE1 Retrotransposons. Genes, 2021, 12, 1562.	1.0	17
24	Shark and ray genomics for disentangling their morphological diversity and vertebrate evolution. Developmental Biology, 2021, 477, 262-272.	0.9	20
25	Comparative analysis reveals within-population genome size variation in a rotifer is driven by large genomic elements with highly abundant satellite DNA repeat elements. BMC Biology, 2021, 19, 206.	1.7	8

#	Article	IF	Citations
26	NanoHIV: A Bioinformatics Pipeline for Producing Accurate, Near Full-Length HIV Proviral Genomes Sequenced Using the Oxford Nanopore Technology. Cells, 2021, 10, 2577.	1.8	7
27	Fish genomics and its impact on fundamental and applied research of vertebrate biology. Reviews in Fish Biology and Fisheries, 2022, 32, 357-385.	2.4	7
28	Genome survey of sago palm (Metroxylon sagu Rottboll). Plant Gene, 2021, 28, 100341.	1.4	8
30	The transposable element-rich genome of the cereal pest Sitophilus oryzae. BMC Biology, 2021, 19, 241.	1.7	40
31	Microchromosomes are building blocks of bird, reptile, and mammal chromosomes. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	84
32	Aldosterone and dexamethasone activate African lungfish mineralocorticoid receptor: Increased activation after removal of the amino-terminal domain. Journal of Steroid Biochemistry and Molecular Biology, 2022, 215, 106024.	1.2	11
33	Pattern of Repetitive Element Transcription Segregate Cell Lineages during the Embryogenesis of Sea Urchin Strongylocentrotus purpuratus. Biomedicines, 2021, 9, 1736.	1.4	3
34	A Thermodynamic View of Evolution. , 2022, , 157-199.		0
35	Rethinking fish biology and biotechnologies in the challenge era for burgeoning genome resources and strengthening food security. , 2022, 1, 100002.		41
36	Toward a genome sequence for every animal: Where are we now?. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	87
37	Decoding sex: Elucidating sex determination and how high-quality genome assemblies are untangling the evolutionary dynamics of sex chromosomes. Genomics, 2022, 114, 110277.	1.3	8
38	The Chinese pine genome and methylome unveil key features of conifer evolution. Cell, 2022, 185, 204-217.e14.	13.5	151
39	Fractal Analysis of DNA Sequences Using Frequency Chaos Game Representation and Small-Angle Scattering. International Journal of Molecular Sciences, 2022, 23, 1847.	1.8	7
40	Epidermal cell cultures from white and green sturgeon (Acipenser transmontanus and medirostris): Expression of TGM1-like transglutaminases and CYP4501A. PLoS ONE, 2022, 17, e0265218.	1.1	0
41	Newt Hoxa13 has an essential and predominant role in digit formation during development and regeneration. Development (Cambridge), 2022, 149, .	1.2	6
43	Repeat Age Decomposition Informs an Ancient Set of Repeats Associated With Coleoid Cephalopod Divergence. Frontiers in Genetics, 2022, 13, 793734.	1.1	7
44	Evolution of the N-Terminal Regulation of Cardiac Troponin I for Heart Function of Tetrapods: Lungfish Presents an Example of the Emergence of Novel Submolecular Structure to Lead the Capacity of Adaptation. Journal of Molecular Evolution, 2022, 90, 30-43.	0.8	4
45	How the evolution of air breathing shaped hippocampal function. Philosophical Transactions of the Royal Society B: Biological Sciences, 2022, 377, 20200532.	1.8	7

#	Article	IF	Citations
46	The genome paper is dead, long live the genome paper!. EMBO Reports, 2022, 23, e54434.	2.0	0
47	A Morphological and Histological Investigation of Imperfect Lungfish Fin Regeneration. Frontiers in Ecology and Evolution, 2021, 9, .	1.1	0
49	Methodologies for the De novo Discovery of Transposable Element Families. Genes, 2022, 13, 709.	1.0	10
50	Genome-wide survey and genetic characteristics of Ophichthus evermanni (Jordan et) Tj ETQq1 1 0.784314 rgBT /Overlock	1.1	3
53	Building the Chordata Olfactory Receptor Database using more than 400,000 receptors annotated by Genome2OR. Science China Life Sciences, 2022, 65, 2539-2551.	2.3	5
54	The building blocks of art and its accompanying role and meaning. HTS Teologiese Studies / Theological Studies, 2022, 78, .	0.2	1
55	A complete, telomere-to-telomere human genome sequence presents new opportunities for evolutionary genomics. Nature Methods, 2022, 19, 635-638.	9.0	19
56	Tell Us a Story Granddad: Age and Origin of an Iconic Australian Lungfish. Frontiers in Environmental Science, 0, 10, .	1.5	0
58	Whole-genome survey and phylogenetic analysis of Gadus macrocephalus. Bioscience Reports, 2022, 42, .	1.1	3
59	Generating specificity in genome regulation through transcription factor sensitivity to chromatin. Nature Reviews Genetics, 2022, 23, 728-740.	7.7	43
60	New Insights Into the Evolution of Corticotropin-Releasing Hormone Family With a Special Focus on Teleosts. Frontiers in Endocrinology, 0, 13, .	1.5	4
61	Cloning of nine glucocorticoid receptor isoforms from the slender African lungfish (Protopterus) Tj ETQq1 1 0.784314 rgBT /Overlock	1.1	2
62	Evolution of complex genome architecture in gymnosperms. GigaScience, 2022, 11, .	3.3	8
63	Osteogenesis in the Australian lungfish, Neoceratodus forsteri (Osteichthyes: Dipnoi). Australian Journal of Zoology, 2022, , .	0.6	0
64	Intron size minimisation in teleosts. BMC Genomics, 2022, 23, .	1.2	10
67	Chromosome Conformation Capture for Large Genomes. Methods in Molecular Biology, 2023, , 291-318.	0.4	2
69	Now that We Got There, What Next?. Methods in Molecular Biology, 2023, , 471-479.	0.4	0
70	Navigation and Use of Custom Tracks within the Axolotl Genome Browser. Methods in Molecular Biology, 2023, , 273-289.	0.4	0

#	Article	IF	Citations
72	Emulation of the structure of the Saposin protein fold by a lung surfactant peptide construct of surfactant Protein B. PLoS ONE, 2022, 17, e0276787.	1.1	4
75	Genome size does not influence extinction risk in the world's amphibians. Functional Ecology, 2023, 37, 190-200.	1.7	3
78	Uncovering a 500 million year old history and evidence of pseudogenization for TLR15. Frontiers in Immunology, 0, 13, .	2.2	2
79	Interspecific comparison of gene expression profiles using machine learning. PLoS Computational Biology, 2023, 19, e1010743.	1.5	1
80	Morpho-functional changes of lungfish Protopterus dolloi skin in the shift from freshwater to aestivating conditions. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2023, 266, 110846.	0.7	0
81	The biogeography of extant lungfishes traces the breakup of Gondwana. Journal of Biogeography, 2023, 50, 1191-1198.	1.4	1
82	Transposable elements and their role in aging. Ageing Research Reviews, 2023, 86, 101881.	5.0	7
83	Cerebellum Lecture: the Cerebellar Nucleiâ€"Core of the Cerebellum. Cerebellum, 2024, 23, 620-677.	1.4	13
84	The Current State of Nanopore Sequencing. Methods in Molecular Biology, 2023, , 3-14.	0.4	6
85	Sizing Up the Onychophoran Genome: Repeats, Introns, and Gene Family Expansion Contribute to Genome Gigantism inEpiperipatus broadwayi. Genome Biology and Evolution, 2023, 15, .	1.1	2
86	Phylotranscriptomics and evolution of key genes for terpene biosynthesis in Pinaceae. Frontiers in Plant Science, 0, 14, .	1.7	0
87	A Devonian Fish Tale: A New Method of Body Length Estimation Suggests Much Smaller Sizes for Dunkleosteus terrelli (Placodermi: Arthrodira). Diversity, 2023, 15, 318.	0.7	3
88	Amblyopinae Mitogenomes Provide Novel Insights into the Paraphyletic Origin of Their Adaptation to Mudflat Habitats. International Journal of Molecular Sciences, 2023, 24, 4362.	1.8	5
90	Transposable element and host silencing activity in gigantic genomes. Frontiers in Cell and Developmental Biology, 0, 11, .	1.8	3
91	The enormous repetitive Antarctic krill genome reveals environmental adaptations and population insights. Cell, 2023, 186, 1279-1294.e19.	13.5	23
93	The adaptive evolution of coldâ€activated TRPM8 in wildlife vertebrates. , 2023, 1, 23-31.		0
96	Development and structure of the skin in the Australian lungfish (Neoceratodus forsteri) in relation to epidermal adaptation of tetrapods. Acta Zoologica, 0, , .	0.6	1
109	Data-Mining with Three Genome-Scale Approaches Supports that Lungfish is the Closest Living Relative of Land Vertebrate, but not Coelacanth. , 2022, , .		0

#	Article	IF	Citations
113	Visualizing the dynamics of DNA replication and repair at the single-molecule level. Methods in Cell Biology, 2024, , 109-165.	0.5	0
121	A Systems Biology Approach in Fisheries Science. , 2023, , 76-95.		0
122	Genomic reconsideration of fish non-monophyly: why cannot we simply call them all â€˜fishâ€™?. Ichthyological Research, 0, , .	0.5	0