

A phylogenetically based transcriptome age index mirrors

Nature

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Genomic hourglass. <i>Nature</i> , 2010, 468, 768-769.	13.7	22
2	Hot entanglement. <i>Nature</i> , 2010, 468, 769-770.	13.7	22
3	Mapping Gene Expression in Two <i>Xenopus</i> Species: Evolutionary Constraints and Developmental Flexibility. <i>Developmental Cell</i> , 2011, 20, 483-496.	3.1	187
4	Hourglass theory gets molecular approval. <i>Nature Reviews Genetics</i> , 2011, 12, 76-76.	7.7	9
5	The evolutionary origin of orphan genes. <i>Nature Reviews Genetics</i> , 2011, 12, 692-702.	7.7	663
6	Limb specialization in living marsupial and eutherian mammals: constraints on mammalian limb evolution. <i>Journal of Mammalogy</i> , 2011, 92, 1038-1049.	0.6	40
7	Animal egg as evolutionary innovation: a solution to the "embryonic hourglass" puzzle. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2011, 316B, 467-483.	0.6	35
8	Gene Duplication and the Genome Distribution of Sex-Biased Genes. <i>International Journal of Evolutionary Biology</i> , 2011, 2011, 1-20.	1.0	27
9	Pluripotency and lineages in the mammalian blastocyst: An evolutionary view. <i>Cell Cycle</i> , 2011, 10, 1731-1738.	1.3	6
10	Towards an Evolutionary Model of Transcription Networks. <i>PLoS Computational Biology</i> , 2011, 7, e1002064.	1.5	10
12	Accelerated Recruitment of New Brain Development Genes into the Human Genome. <i>PLoS Biology</i> , 2011, 9, e1001179.	2.6	139
13	Novel Function of Distal-less as a Gap Gene during Spider Segmentation. <i>PLoS Genetics</i> , 2011, 7, e1002342.	1.5	50
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17	Evolution and Emergence: A Re-Evaluation of the "New Synthesis". <i>KronoScope</i> , 2012, 12, 185-200.	0.1	0
18	Battle of the sexes: Conflict over dosage-sensitive genes and the origin of X chromosome inactivation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 5144-5145.	3.3	10
19	Systematic identification of long noncoding RNAs expressed during zebrafish embryogenesis. <i>Genome Research</i> , 2012, 22, 577-591.	2.4	809

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21	Plant â€“evo-devoâ€“™ goes genomic: from candidate genes to regulatory networks. <i>Trends in Plant Science</i> , 2012, 17, 441-447.	4.3	24
22	The evolution of early animal embryos: conservation or divergence?. <i>Trends in Ecology and Evolution</i> , 2012, 27, 385-393.	4.2	106
23	A transcriptomic hourglass in plant embryogenesis. <i>Nature</i> , 2012, 490, 98-101.	13.7	184
24	Dynamics of enhancer chromatin signatures mark the transition from pluripotency to cell specification during embryogenesis. <i>Genome Research</i> , 2012, 22, 2043-2053.	2.4	219
25	Karl Ernst von Baer (1792-1876) and Evolution. <i>International Journal of Developmental Biology</i> , 2012, 56, 653-660.	0.3	13
26	Molecular Signatures of the Three Stem Cell Lineages in Hydra and the Emergence of Stem Cell Function at the Base of Multicellularity. <i>Molecular Biology and Evolution</i> , 2012, 29, 3267-3280.	3.5	140
27	Developmental Milestones Punctuate Gene Expression in the <i>Caenorhabditis</i> Embryo. <i>Developmental Cell</i> , 2012, 22, 1101-1108.	3.1	207
28	The phylotypic stage as a boundary of modular memory: non mechanistic perspective. <i>Theory in Biosciences</i> , 2012, 131, 31-42.	0.6	11
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33	Disruption of gene expression in hybrids of the fire ants <i>Solenopsis invicta</i> and <i>Solenopsis richteri</i>. <i>Molecular Ecology</i> , 2012, 21, 2488-2501.	2.0	6
34	Transcriptome changes after genomeâ€“wide admixture in invasive sculpins (<i>Cottus</i>). <i>Molecular Ecology</i> , 2012, 21, 4797-4810.	2.0	21
35	Phylogenetic patterns of emergence of new genes support a model of frequent de novo evolution. <i>BMC Genomics</i> , 2013, 14, 117.	1.2	218
36	New genes as drivers of phenotypic evolution. <i>Nature Reviews Genetics</i> , 2013, 14, 645-660.	7.7	313
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41	Deep conservation of <i>cis</i> -regulatory elements in metazoans. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2013, 368, 20130020.	1.8	26
42	Transcription factor evolution in eukaryotes and the assembly of the regulatory toolkit in multicellular lineages. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E4858-66.	3.3	183
43	Rapid and Pervasive Changes in Genome-wide Enhancer Usage during Mammalian Development. <i>Cell</i> , 2013, 155, 1521-1531.	13.5	342
44	Phylostratigraphic profiles reveal a deep evolutionary history of the vertebrate head sensory systems. <i>Frontiers in Zoology</i> , 2013, 10, 18.	0.9	32
45	The genome of <i>Romanomermis culicivorax</i> : revealing fundamental changes in the core developmental genetic toolkit in Nematoda. <i>BMC Genomics</i> , 2013, 14, 923.	1.2	43
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53	Genome-wide identification and divergent transcriptional expression of StAR-related lipid transfer (START) genes in teleosts. <i>Gene</i> , 2013, 519, 18-25.	1.0	4
54	Conserved non-coding elements and <i>cis</i> regulation: actions speak louder than words. <i>Development (Cambridge)</i> , 2013, 140, 1385-1395.	1.2	53
55	Ontogeny repeats the phylogenetic recruitment of the cargo exporter cornichon into AMPA receptor signaling complexes. <i>Molecular and Cellular Neurosciences</i> , 2013, 56, 10-17.	1.0	15
56	The Hourglass and the Early Conservation Models' Co-Existing Patterns of Developmental Constraints in Vertebrates. <i>PLoS Genetics</i> , 2013, 9, e1003476.	1.5	73
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61	Late-replicating CNVs as a source of new genes. <i>Biology Open</i> , 2013, 2, 1402-1411.	0.6	9
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70	Differential Responses to Wnt and PCP Disruption Predict Expression and Developmental Function of Conserved and Novel Genes in a Cnidarian. <i>PLoS Genetics</i> , 2014, 10, e1004590.	1.5	44
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80	Differences in Growth Generate the Diverse Palate Shapes of New World Leaf-Nosed Bats (Order) Tj ETQq0 0 0 rgBTJ/Overlock,10 Tf 50 7	0.5	12
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93	Gene Coexpression and Evolutionary Conservation Analysis of the Human Preimplantation Embryos. <i>BioMed Research International</i> , 2015, 2015, 1-11.	0.9	5
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95	A Comprehensive Transcriptomic and Proteomic Analysis of Hydra Head Regeneration. <i>Molecular Biology and Evolution</i> , 2015, 32, 1928-1947.	3.5	106
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99	Phylostratigraphic Profiles in Zebrafish Uncover Chordate Origins of the Vertebrate Brain. <i>Molecular Biology and Evolution</i> , 2015, 32, 299-312.	3.5	32
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130	High expression of new genes in trochophore enlightening the ontogeny and evolution of trochozoans. <i>Scientific Reports</i> , 2016, 6, 34664.	1.6	32
131	The evolution of inflorescence diversity in the nightshades and heterochrony during meristem maturation. <i>Genome Research</i> , 2016, 26, 1676-1686.	2.4	51
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135	Robust views on plasticity and biodiversity. <i>Annals of Botany</i> , 2016, 117, 693-697.	1.4	10

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137	The mysterious orphans of Mycoplasmataceae. <i>Biology Direct</i> , 2016, 11, 2.	1.9	12
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145	Toward understanding the evolution of vertebrate gene regulatory networks: comparative genomics and epigenomic approaches. <i>Briefings in Functional Genomics</i> , 2016, 15, 315-321.	1.3	7
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147	Tet proteins: master regulators of vertebrate body plan formation?. <i>Epigenomics</i> , 2017, 9, 93-96.	1.0	2
148	Topologically associated domains: a successful scaffold for the evolution of gene regulation in animals. <i>Wiley Interdisciplinary Reviews: Developmental Biology</i> , 2017, 6, e265.	5.9	75
149	The â€œBiogenetic Lawâ€ in zoology: from Ernst Haeckelâ€™s formulation to current approaches. <i>Theory in Biosciences</i> , 2017, 136, 19-29.	0.6	34
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155	Further Simulations and Analyses Demonstrate Open Problems of Phylostratigraphy. <i>Genome Biology and Evolution</i> , 2017, 9, 1519-1527.	1.1	47
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163	Plant organ evolution revealed by phylotranscriptomics in <i>Arabidopsis thaliana</i> . <i>Scientific Reports</i> , 2017, 7, 7567.	1.6	11
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165	Taxonomically Restricted Genes with Essential Functions Frequently Play Roles in Chromosome Segregation in <i>Caenorhabditis elegans</i> and <i>Saccharomyces cerevisiae</i> . <i>G3: Genes, Genomes, Genetics</i> , 2017, 7, 3337-3347.	0.8	10
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167	Chromatin Accessibility Landscape in Human Early Embryos and Its Association with Evolution. <i>Cell</i> , 2018, 173, 248-259.e15.	13.5	159
168	The gene regulatory program of <i>Acroboloides nanus</i> reveals conservation of phylum-specific expression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 4459-4464.	3.3	20
169	myTAI: evolutionary transcriptomics with R. <i>Bioinformatics</i> , 2018, 34, 1589-1590.	1.8	37
170	Origin of new genes after zygotic genome activation in vertebrate. <i>Journal of Molecular Cell Biology</i> , 2018, 10, 139-146.	1.5	1
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