

Arnau SebÀ©-PedrÀ³s

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

3,390
citations

257101

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docs citations

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times ranked

3983
citing authors

#	ARTICLE	IF	CITATIONS
1	Cnidarian Cell Type Diversity and Regulation Revealed by Whole-Organism Single-Cell RNA-Seq. <i>Cell</i> , 2018, 173, 1520-1534.e20.	13.5	284
2	The Capsaspora genome reveals a complex unicellular prehistory of animals. <i>Nature Communications</i> , 2013, 4, 2325.	5.8	244
3	The origin of Metazoa: a unicellular perspective. <i>Nature Reviews Genetics</i> , 2017, 18, 498-512.	7.7	239
4	Early metazoan cell type diversity and the evolution of multicellular gene regulation. <i>Nature Ecology and Evolution</i> , 2018, 2, 1176-1188.	3.4	226
5	Ancient origin of the integrin-mediated adhesion and signaling machinery. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 10142-10147.	3.3	225
6	MetaCell: analysis of single-cell RNA-seq data using K-nn graph partitions. <i>Genome Biology</i> , 2019, 20, 206.	3.8	218
7	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
8	Unexpected Repertoire of Metazoan Transcription Factors in the Unicellular Holozoan <i>Capsaspora owczarzaki</i> . <i>Molecular Biology and Evolution</i> , 2011, 28, 1241-1254.	3.5	172
9	The Evolution of the GPCR Signaling System in Eukaryotes: Modularity, Conservation, and the Transition to Metazoan Multicellularity. <i>Genome Biology and Evolution</i> , 2014, 6, 606-619.	1.1	145
10	Regulated aggregative multicellularity in a close unicellular relative of metazoa. <i>ELife</i> , 2013, 2, e01287.	2.8	139
11	The Dynamic Regulatory Genome of <i>Capsaspora</i> and the Origin of Animal Multicellularity. <i>Cell</i> , 2016, 165, 1224-1237.	13.5	139
12	Evolution and Classification of Myosins, a Paneukaryotic Whole-Genome Approach. <i>Genome Biology and Evolution</i> , 2014, 6, 290-305.	1.1	121
13	Premetazoan Origin of the Hippo Signaling Pathway. <i>Cell Reports</i> , 2012, 1, 13-20.	2.9	111
14	A stony coral cell atlas illuminates the molecular and cellular basis of coral symbiosis, calcification, and immunity. <i>Cell</i> , 2021, 184, 2973-2987.e18.	13.5	111
15	Early evolution of the T-box transcription factor family. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 16050-16055.	3.3	80
16	Insights into the Origin of Metazoan Filopodia and Microvilli. <i>Molecular Biology and Evolution</i> , 2013, 30, 2013-2023.	3.5	78
17	Global transcriptome analysis of the aphelid <i>Paraphelidium tribonemae</i> supports the phagotrophic origin of fungi. <i>Communications Biology</i> , 2018, 1, 231.	2.0	63
18	The Eukaryotic Ancestor Had a Complex Ubiquitin Signaling System of Archaeal Origin. <i>Molecular Biology and Evolution</i> , 2015, 32, 726-739.	3.5	58

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19	A single-cell view on alga-virus interactions reveals sequential transcriptional programs and infection states. <i>Science Advances</i> , 2020, 6, eaba4137.	4.7	55
20	High-Throughput Proteomics Reveals the Unicellular Roots of Animal Phosphosignaling and Cell Differentiation. <i>Developmental Cell</i> , 2016, 39, 186-197.	3.1	51
21	Tracing the Evolutionary History of Inositol, 1, 4, 5-Trisphosphate Receptor: Insights from Analyses of <i>Capsaspora owczarzaki</i> Ca ²⁺ Release Channel Orthologs. <i>Molecular Biology and Evolution</i> , 2015, 32, 2236-2253.	3.5	44
22	Evolutionary cell type mapping with single-cell genomics. <i>Trends in Genetics</i> , 2021, 37, 919-932.	2.9	43
23	ACME dissociation: a versatile cell fixation-dissociation method for single-cell transcriptomics. <i>Genome Biology</i> , 2021, 22, 89.	3.8	39
24	A Genomic Survey of HECT Ubiquitin Ligases in Eukaryotes Reveals Independent Expansions of the HECT System in Several Lineages. <i>Genome Biology and Evolution</i> , 2013, 5, 833-847.	1.1	35
25	Integrin-mediated adhesion complex. <i>Communicative and Integrative Biology</i> , 2010, 3, 475-477.	0.6	33
26	Comparative genomic analysis of the <i>Hyphochytrium catenoides</i> . <i>Open Biology</i> , 2018, 8, 170184.	1.5	31
27	Origin and evolution of eukaryotic transcription factors. <i>Current Opinion in Genetics and Development</i> , 2019, 58-59, 25-32.	1.5	29
28	Evolution and Classification of the T-Box Transcription Factor Family. <i>Current Topics in Developmental Biology</i> , 2017, 122, 1-26.	1.0	28
29	IL18 signaling promotes homing of mature Tregs into the thymus. <i>ELife</i> , 2020, 9, .	2.8	28
30	A Broad Genomic Survey Reveals Multiple Origins and Frequent Losses in the Evolution of Respiratory Hemerythrins and Hemocyanins. <i>Genome Biology and Evolution</i> , 2013, 5, 1435-1442.	1.1	26
31	A phylogenetic and proteomic reconstruction of eukaryotic chromatin evolution. <i>Nature Ecology and Evolution</i> , 2022, 6, 1007-1023.	3.4	26
32	Using single-cell transcriptomics to understand functional states and interactions in microbial eukaryotes. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2019, 374, 20190098.	1.8	20
33	Orthology Clusters from Gene Trees with <i>PoSSVM</i> . <i>Molecular Biology and Evolution</i> , 2021, 38, 5204-5208.	3.5	12
34	Transcription Factors and the Origin of Animal Multicellularity. <i>Advances in Marine Genomics</i> , 2015, , 379-394.	1.2	12
35	Ectopic activation of GABAB receptors inhibits neurogenesis and metamorphosis in the cnidarian <i>Nematostella vectensis</i> . <i>Nature Ecology and Evolution</i> , 2021, 5, 111-121.	3.4	9
36	Tracing the evolutionary history of Ca ²⁺ -signaling modulation by human Bcl-2: Insights from the <i>Capsaspora owczarzaki</i> IP3 receptor ortholog. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2021, 1868, 119121.	1.9	7

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37	The Protistan Cellular and Genomic Roots of Animal Multicellularity. Fascinating Life Sciences, 2019, , 15-38.	0.5	0