

Daniel Meulemans Medeiros

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,020
citations

516710

16
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552781

26
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31
all docs

31
docs citations

31
times ranked

1156
citing authors

#	ARTICLE	IF	CITATIONS
1	The deuterostome context of chordate origins. <i>Nature</i> , 2015, 520, 456-465.	27.8	121
2	New perspectives on pharyngeal dorsoventral patterning in development and evolution of the vertebrate jaw. <i>Developmental Biology</i> , 2012, 371, 121-135.	2.0	117
3	Evidence for the prepattern/cooption model of vertebrate jaw evolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 17262-17267.	7.1	107
4	BMP, Wnt and FGF signals are integrated through evolutionarily conserved enhancers to achieve robust expression of Pax3 and Zic genes at the zebrafish neural plate border. <i>Development (Cambridge)</i> , 2012, 139, 4220-4231.	2.5	90
5	Evolution of the new vertebrate head by co-option of an ancient chordate skeletal tissue. <i>Nature</i> , 2015, 518, 534-537.	27.8	78
6	CRISPR/Cas9-mediated mutagenesis in the sea lamprey, <i>Petromyzon marinus</i> : a powerful tool for understanding ancestral gene functions in vertebrates. <i>Development (Cambridge)</i> , 2015, 142, 4180-7.	2.5	61
7	An Essential Role of Variant Histone H3.3 for Ectomesenchyme Potential of the Cranial Neural Crest. <i>PLoS Genetics</i> , 2012, 8, e1002938.	3.5	52
8	Novel Tfp2-mediated control of <i>soxE</i> expression facilitated the evolutionary emergence of the neural crest. <i>Development (Cambridge)</i> , 2012, 139, 720-730.	2.5	51
9	A New Mechanistic Scenario for the Origin and Evolution of Vertebrate Cartilage. <i>PLoS ONE</i> , 2011, 6, e22474.	2.5	49
10	Roles for FGF in lamprey pharyngeal pouch formation and skeletogenesis highlight ancestral functions in the vertebrate head. <i>Development (Cambridge)</i> , 2014, 141, 629-638.	2.5	45
11	A gene expression map of the larval <i>Xenopus laevis</i> head reveals developmental changes underlying the evolution of new skeletal elements. <i>Developmental Biology</i> , 2015, 397, 293-304.	2.0	40
12	The origin and diversification of the developmental mechanisms that pattern the vertebrate head skeleton. <i>Developmental Biology</i> , 2017, 427, 219-229.	2.0	32
13	Evolution of the endothelin pathway drove neural crest cell diversification. <i>Nature</i> , 2020, 585, 563-568.	27.8	30
14	The evolution of the neural crest: new perspectives from lamprey and invertebrate neural crest-like cells. <i>Wiley Interdisciplinary Reviews: Developmental Biology</i> , 2013, 2, 1-15.	5.9	29
15	Embryonic expression of endothelins and their receptors in lamprey and frog reveals stem vertebrate origins of complex Endothelin signaling. <i>Scientific Reports</i> , 2016, 6, 34282.	3.3	23
16	Evolution of vertebrate gill covers via shifts in an ancient Pou3f3 enhancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 24876-24884.	7.1	19
17	Functional constraints on SoxE proteins in neural crest development: The importance of differential expression for evolution of protein activity. <i>Developmental Biology</i> , 2016, 418, 166-178.	2.0	17
18	A maternally established <i>SoxB1/SoxF</i> axis is a conserved feature of chordate germ layer patterning. <i>Evolution & Development</i> , 2012, 14, 104-115.	2.0	14

#	ARTICLE	IF	CITATIONS
19	Gene regulatory evolution and the origin of macroevolutionary novelties: Insights from the neural crest. <i>Genesis</i> , 2013, 51, 457-470.	1.6	9
20	Mesodermal origin of median fin mesenchyme and tail muscle in amphibian larvae. <i>Scientific Reports</i> , 2015, 5, 11428.	3.3	8
21	Efficient CRISPR Mutagenesis in Sturgeon Demonstrates Its Utility in Large, Slow-Maturing Vertebrates. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 750833.	3.7	7
22	Evolution of retinoic acid receptors in chordates: insights from three lamprey species, <i>Lampetra fluviatilis</i> , <i>Petromyzon marinus</i> , and <i>Lethenteron japonicum</i> . <i>EvoDevo</i> , 2015, 6, 18.	3.2	6
23	Lamprey lecticans link new vertebrate genes to the origin and elaboration of vertebrate tissues. <i>Developmental Biology</i> , 2021, 476, 282-293.	2.0	5
24	Comparative Approaches in Vertebrate Cartilage Histogenesis and Regulation: Insights from Lampreys and Hagfishes. <i>Diversity</i> , 2021, 13, 435.	1.7	3
25	Ancient origin for the axochord: A putative notochord homolog (Comment on DOI) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 502 T	2.5	2
26	A Comprehensive Analysis of Fibrillar Collagens in Lamprey Suggests a Conserved Role in Vertebrate Musculoskeletal Evolution. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 809979.	3.7	2
27	The Composition and Cellular Sources of CSPGs in the Glial Scar After Spinal Cord Injury in the Lamprey. <i>Frontiers in Molecular Neuroscience</i> , 0, 15, .	2.9	2
28	Did duplication of the <i>Tfap2</i> family facilitate the emergence of neural crest in evolution?. <i>FASEB Journal</i> , 2011, 25, 180.4.	0.5	0