

# Douglas B Menke

## List of Publications by Year in descending order

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Version: 2024-02-01

33  
papers

3,514  
citations

394421

19  
h-index

414414

32  
g-index

42  
all docs

42  
docs citations

42  
times ranked

4308  
citing authors

#	ARTICLE	IF	CITATIONS
1	Retinoic acid regulates sex-specific timing of meiotic initiation in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 2474-2479.	7.1	842
2	In germ cells of mouse embryonic ovaries, the decision to enter meiosis precedes premeiotic DNA replication. <i>Nature Genetics</i> , 2006, 38, 1430-1434.	21.4	453
3	Human-specific loss of regulatory DNA and the evolution of human-specific traits. <i>Nature</i> , 2011, 471, 216-219.	27.8	439
4	<i>Follistatin</i> operates downstream of <i>Wnt4</i> in mammalian ovary organogenesis. <i>Developmental Dynamics</i> , 2004, 230, 210-215.	1.8	322
5	Sexual differentiation of germ cells in XX mouse gonads occurs in an anterior-to-posterior wave. <i>Developmental Biology</i> , 2003, 262, 303-312.	2.0	309
6	Sexually dimorphic gene expression in the developing mouse gonad. <i>Gene Expression Patterns</i> , 2002, 2, 359-367.	0.8	165
7	Defining a mesenchymal progenitor niche at single-cell resolution. <i>Science</i> , 2014, 346, 1258810.	12.6	128
8	CRISPR-Cas9 Gene Editing in Lizards through Microinjection of Unfertilized Oocytes. <i>Cell Reports</i> , 2019, 28, 2288-2292.e3.	6.4	86
9	Dual hindlimb control elements in the <i>Tbx4</i> gene and region-specific control of bone size in vertebrate limbs. <i>Development (Cambridge)</i> , 2008, 135, 2543-2553.	2.5	80
10	Spatial-temporal targeting of lung-specific mesenchyme by a <i>Tbx4</i> enhancer. <i>BMC Biology</i> , 2013, 11, 111.	3.8	74
11	Shared Enhancer Activity in the Limbs and Phallus and Functional Divergence of a Limb-Genital cis-Regulatory Element in Snakes. <i>Developmental Cell</i> , 2015, 35, 107-119.	7.0	70
12	Lung mesenchymal expression of <i>Sox9</i> plays a critical role in tracheal development. <i>BMC Biology</i> , 2013, 11, 117.	3.8	65
13	Molecular shifts in limb identity underlie development of feathered feet in two domestic avian species. <i>ELife</i> , 2016, 5, e12115.	6.0	64
14	<i>Pitx1</i> broadly associates with limb enhancers and is enriched on hindlimb cis-regulatory elements. <i>Developmental Biology</i> , 2013, 374, 234-244.	2.0	51
15	Comparative Genomics Reveals Accelerated Evolution in Conserved Pathways during the Diversification of Anole Lizards. <i>Genome Biology and Evolution</i> , 2018, 10, 489-506.	2.5	43
16	Engineering subtle targeted mutations into the mouse genome. <i>Genesis</i> , 2013, 51, 605-618.	1.6	38
17	A novel enhancer near the <i>Pitx1</i> gene influences development and evolution of pelvic appendages in vertebrates. <i>ELife</i> , 2018, 7, .	6.0	38
18	<i>Wt1</i> functions in the development of germ cells in addition to somatic cell lineages of the testis. <i>Developmental Biology</i> , 2004, 268, 429-440.	2.0	35

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19	Developing a community-based genetic nomenclature for anole lizards. <i>BMC Genomics</i> , 2011, 12, 554.	2.8	23
20	Isl1 mediates mesenchymal expansion in the developing external genitalia via regulation of Bmp4, Fgf10 and Wnt5a. <i>Human Molecular Genetics</i> , 2018, 27, 107-119.	2.9	20
21	PITX1 promotes chondrogenesis and myogenesis in mouse hindlimbs through conserved regulatory targets. <i>Developmental Biology</i> , 2018, 434, 186-195.	2.0	19
22	Pigeon foot feathering reveals conserved limb identity networks. <i>Developmental Biology</i> , 2019, 454, 128-144.	2.0	19
23	Appendages and gene regulatory networks: Lessons from the limbless. <i>Genesis</i> , 2018, 56, e23078.	1.6	18
24	Mesenchymal adenomatous polyposis coli plays critical and diverse roles in regulating lung development. <i>BMC Biology</i> , 2015, 13, 42.	3.8	17
25	Changes in selection pressure can facilitate hybridization during biological invasion in a Cuban lizard. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	17
26	A single locus regulates a female-limited color pattern polymorphism in a reptile. <i>Science Advances</i> , 2022, 8, eabm2387.	10.3	17
27	Conserved regulation of <i>hoxc11</i> by <i>pitx1</i> in <i>Anolis</i> lizards. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2014, 322, 156-165.	1.3	14
28	A PAGE screening approach for identifying CRISPR-Cas9-induced mutations in zebrafish. <i>BioTechniques</i> , 2018, 64, 275-278.	1.8	14
29	Distal spinal nerve development and divergence of avian groups. <i>Scientific Reports</i> , 2020, 10, 6303.	3.3	8
30	A systematic study of injectable anesthetic agents in the brown anole lizard ( <i>Anolis sagrei</i> ). <i>Laboratory Animals</i> , 2020, 54, 281-294.	1.0	6
31	Ocular elongation and retraction in foveated reptiles. <i>Developmental Dynamics</i> , 2021, 250, 1584-1599.	1.8	6
32	Developmental Evolution: Downsizing Wings in the Flightless Emu. <i>Current Biology</i> , 2019, 29, R1131-R1133.	3.9	2
33	Using Mouse Metatarsal and Pisiform Ossification to Identify Genes Underlying Growth Plate Formation. <i>FASEB Journal</i> , 2022, 36, .	0.5	0