Denis Duboule

List of Publications by Citations

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

199 papers	18,893 citations	76 h-index	135 g-index
236 ext. papers	21,011 ext. citations	15.5 avg, IF	6.86 L-index

#	Paper	IF	Citations
199	The orphan nuclear receptor REV-ERBalpha controls circadian transcription within the positive limb of the mammalian circadian oscillator. *Cell*, **2002**, 110, 251-60	56.2	1616
198	Coordinate expression of the murine Hox-5 complex homoeobox-containing genes during limb pattern formation. *Nature*, **1989**, 342, 767-72	50.4	531
197	Organizing axes in time and space; 25 years of colinear tinkering. *Science*, **2003**, 301, 331-3	33.3	420
196	Disruption of the Hoxd-13 gene induces localized heterochrony leading to mice with neotenic limbs. *Cell*, **1993**, 75, 431-41	56.2	397
195	A global control region defines a chromosomal regulatory landscape containing the HoxD cluster. *Cell*, **2003**, 113, 405-17	56.2	370
194	A regulatory archipelago controls Hox genes transcription in digits. *Cell*, **2011**, 147, 1132-45	56.2	367
193	Expression of the homeobox Hox-4 genes and the specification of position in chick wing development. *Nature*, **1991**, 350, 585-9	50.4	364
192	Colinearity and functional hierarchy among genes of the homeotic complexes. *Trends in Genetics*, **1994**, 10, 358-64	8.5	362
191	Topology of mammalian developmental enhancers and their regulatory landscapes. *Nature*, **2013**, 502, 499-506	50.4	355
190	Impaired skin wound healing in peroxisome proliferator-activated receptor (PPAR)alpha and PPARbeta mutant mice. *Journal of Cell Biology*, **2001**, 154, 799-814	7.3	354
189	The rise and fall of Hox gene clusters. *Development (Cambridge)*, **2007**, 134, 2549-60	6.6	352
188	The king cobra genome reveals dynamic gene evolution and adaptation in the snake venom system. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 20651-6	11.5	344
187	The role of Hox genes during vertebrate limb development. *Current Opinion in Genetics and Development*, **2007**, 17, 359-66	4.9	320
186	The dynamic architecture of Hox gene clusters. *Science*, **2011**, 334, 222-5	33.3	305
185	A switch between topological domains underlies HoxD genes collinearity in mouse limbs. *Science*, **2013**, 340, 1234167	33.3	302
184	Targeted misexpression of Hox-4.6 in the avian limb bud causes apparent homeotic transformations. *Nature*, **1992**, 358, 236-9	50.4	283
183	Regional expression of the homeobox gene Nkx-2.2 in the developing mammalian forebrain. *Neuron*, **1992**, 8, 241-55	13.9	274

182	Of fingers, toes and penises. *Nature*, **1997**, 390, 29	50.4	273
181	Hox gene expression in teleost fins and the origin of vertebrate digits. *Nature*, **1995**, 375, 678-81	50.4	270
180	A mouse gene related to Distal-less shows a restricted expression in the developing forebrain. *Nature*, **1991**, 351, 748-51	50.4	256
179	Considerations when investigating lncRNA function in vivo. *ELife*, **2014**, 3, e03058	8.9	252
178	A dual role for Hox genes in limb anterior-posterior asymmetry. *Science*, **2004**, 304, 1669-72	33.3	246
177	HOX-4 genes and the morphogenesis of mammalian genitalia. *Genes and Development*, **1991**, 5, 1767-7	12.6	223
176	Temporal colinearity and the phylotypic progression: a basis for the stability of a vertebrate Bauplan and the evolution of morphologies through heterochrony. *Development (Cambridge)*, **1994**, 1994, 135-142	6.6	207
175	Early developmental arrest of mammalian limbs lacking HoxA/HoxD gene function. *Nature*, **2005**, 435, 1113-6	50.4	206
174	Multi-axial self-organization properties of mouse embryonic stem cells into gastruloids. *Nature*, **2018**, 562, 272-276	50.4	199
173	The evolution of ŤbricolageŤ *Trends in Genetics*, **1998**, 14, 54-9	8.5	196
172	Regulation of number and size of digits by posterior Hox genes: a dose-dependent mechanism with potential evolutionary implications. *Proceedings of the National Academy of Sciences of the United States of America*, **1997**, 94, 13695-700	11.5	195
171	Epigenetic temporal control of mouse Hox genes in vivo. *Science*, **2009**, 324, 1320-3	33.3	193
170	Structural and functional differences in the long non-coding RNA hotair in mouse and human. *PLoS Genetics*, **2011**, 7, e1002071	6	191
169	Serial deletions and duplications suggest a mechanism for the collinearity of Hoxd genes in limbs. *Nature*, **2002**, 420, 145-50	50.4	191
168	Gene transpositions in the HoxD complex reveal a hierarchy of regulatory controls. *Cell*, **1996**, 85, 1025-35	56.2	187
167	The loss of circadian PAR bZip transcription factors results in epilepsy. *Genes and Development*, **2004**, 18, 1397-412	12.6	186
166	Synpolydactyly in mice with a targeted deficiency in the HoxD complex. *Nature*, **1996**, 384, 69-71	50.4	184
165	The European dimension for the mouse genome mutagenesis program. *Nature Genetics*, **2004**, 36, 925-7	36.3	176

164	Control of Hoxd genesTcollinearity during early limb development. *Developmental Cell*, **2006**, 10, 93-103	10.2	174
163	Localized and transient transcription of Hox genes suggests a link between patterning and the segmentation clock. *Cell*, **2001**, 106, 207-17	56.2	161
162	Spatially restricted domains of homeo-gene transcripts in mouse embryos: relation to a segmented body plan. *Development (Cambridge)*, **1988**, 104, 169-179	6.6	151
161	The vertebrate limb: a model system to study the Hox/HOM gene network during development and evolution. *BioEssays*, **1992**, 14, 375-84	4.1	150
160	Hox genes in digit development and evolution. *Cell and Tissue Research*, **1999**, 296, 19-25	4.2	146
159	Expression of the murine Dlx-1 homeobox gene during facial, ocular and limb development. *Differentiation*, **1992**, 49, 93-9	3.5	143
158	Engineering chromosomes in mice through targeted meiotic recombination (TAMERE). *Nature Genetics*, **1998**, 20, 381-4	36.3	136
157	Hox-5.1 defines a homeobox-containing gene locus on mouse chromosome 2. *Proceedings of the National Academy of Sciences of the United States of America*, **1988**, 85, 4760-4	11.5	131
156	Vertebrate Hox genes and proliferation: an alternative pathway to homeosis?. *Current Opinion in Genetics and Development*, **1995**, 5, 525-8	4.9	126
155	Breaking colinearity in the mouse HoxD complex. *Cell*, **1999**, 97, 407-17	56.2	123
154	Changes in Hox genesTstructure and function during the evolution of the squamate body plan. *Nature*, **2010**, 464, 99-103	50.4	122
153	Vertebrate hox gene regulation: clustering and/or colinearity?. *Current Opinion in Genetics and Development*, **1998**, 8, 514-8	4.9	122
152	The Hox-4.8 gene is localized at the 5Textremity of the Hox-4 complex and is expressed in the most posterior parts of the body during development. *Mechanisms of Development*, **1991**, 36, 3-13	1.7	122
151	Modeling Hox gene regulation in digits: reverse collinearity and the molecular origin of thumbness. *Genes and Development*, **2008**, 22, 346-59	12.6	121
150	Homoeobox gene expression in mouse embryos varies with position by the primitive streak stage. *Nature*, **1986**, 324, 662-4	50.4	120
149	Inversion-induced disruption of the Hoxd cluster leads to the partition of regulatory landscapes. *Nature Genetics*, **2005**, 37, 889-93	36.3	119
148	Local alterations of Krox-20 and Hox gene expression in the hindbrain suggest lack of rhombomeres 4 and 5 in homozygote null Hoxa-1 (Hox-1.6) mutant embryos. *Proceedings of the National Academy of Sciences of the United States of America*, **1993**, 90, 7666-70	11.5	114
147	Conservation and divergence of regulatory strategies at Hox Loci and the origin of tetrapod digits. *PLoS Biology*, **2014**, 12, e1001773	9.7	113

146	Large scale transgenic and cluster deletion analysis of the HoxD complex separate an ancestral regulatory module from evolutionary innovations. *Genes and Development*, **2001**, 15, 2209-14	12.6	113
145	Male accessory sex organ morphogenesis is altered by loss of function of Hoxd-13. *Developmental Dynamics*, **1997**, 208, 454-65	2.9	112
144	Mouse limb deformity mutations disrupt a global control region within the large regulatory landscape required for Gremlin expression. *Genes and Development*, **2004**, 18, 1553-64	12.6	110
143	Clustering of mammalian Hox genes with other H3K27me3 targets within an active nuclear domain. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 4672-7	11.5	105
142	Functional analysis of CTCF during mammalian limb development. *Developmental Cell*, **2010**, 19, 819-30	10.2	102
141	Head-tail patterning of the vertebrate embryo: one, two or many unresolved problems?. *International Journal of Developmental Biology*, **2006**, 50, 3-15	1.9	102
140	The origin of digits: expression patterns versus regulatory mechanisms. *Developmental Cell*, **2010**, 18, 526-32	10.2	101
139	Patterning in the vertebrate limb. *Current Opinion in Genetics and Development*, **1991**, 1, 211-6	4.9	100
138	Regulatory constraints in the evolution of the tetrapod limb anterior-posterior polarity. *Nature*, **2006**, 443, 985-8	50.4	99
137	Convergent evolution of complex regulatory landscapes and pleiotropy at Hox loci. *Science*, **2014**, 346, 1004-6	33.3	95
136	How to make a limb?. *Science*, **1994**, 266, 575-6	33.3	94
135	Temporal dynamics and developmental memory of 3D chromatin architecture at Hox gene loci. *ELife*, **2014**, 3, e02557	8.9	94
134	Embryonic timing, axial stem cells, chromatin dynamics, and the Hox clock. *Genes and Development*, **2017**, 31, 1406-1416	12.6	93
133	Homeobox genes and pattern formation in the vertebrate limb. *Developmental Biology*, **1992**, 152, 26-36	3.1	92
132	Transgenic analysis of Hoxd gene regulation during digit development. *Developmental Biology*, **2007**, 306, 847-59	3.1	91
131	The cluster is a dynamic and resilient TAD boundary controlling the segregation of antagonistic regulatory landscapes. *Genes and Development*, **2017**, 31, 2264-2281	12.6	90
130	In vivo targeted mutagenesis of a regulatory element required for positioning the Hoxd-11 and Hoxd-10 expression boundaries. *Genes and Development*, **1996**, 10, 2326-34	12.6	87
129	A mouse model for human short-stature syndromes identifies Shox2 as an upstream regulator of Runx2 during long-bone development. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 4511-5	11.5	85

128	Deletion of a HoxD enhancer induces transcriptional heterochrony leading to transposition of the sacrum. *EMBO Journal*, **1997**, 16, 4393-402	13	84
127	Comparative analysis of genes downstream of the Hoxd cluster in developing digits and external genitalia. *Development (Cambridge)*, **2005**, 132, 3055-67	6.6	82
126	Teleost HoxD and HoxA genes: comparison with tetrapods and functional evolution of the HOXD complex. *Mechanisms of Development*, **1996**, 54, 9-21	1.7	80
125	Attenuated sensing of SHH by Ptch1 underlies evolution of bovine limbs. *Nature*, **2014**, 511, 46-51	50.4	78
124	A molecular genetic linkage map of mouse chromosome 2. *Genomics*, **1990**, 6, 491-504	4.3	77
123	Hox genes and the making of sphincters. *Nature*, **1999**, 401, 761-2	50.4	75
122	The mouse Hoxd13(spdh) mutation, a polyalanine expansion similar to human type II synpolydactyly (SPD), disrupts the function but not the expression of other Hoxd genes. *Developmental Biology*, **2001**, 237, 345-53	3.1	71
121	Hotair Is Dispensible for Mouse Development. *PLoS Genetics*, **2016**, 12, e1006232	6	70
120	Homeobox genes d11-d13 and a13 control mouse autopod cortical bone and joint formation. *Journal of Clinical Investigation*, **2010**, 120, 1994-2004	15.9	68
119	Nanoscale spatial organization of the HoxD gene cluster in distinct transcriptional states. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 13964-9	11.5	66
118	Control of colinearity in AbdB genes of the mouse HoxD complex. *Molecular Cell*, **1998**, 1, 289-300	17.6	65
117	Role of a polymorphism in a Hox/Pax-responsive enhancer in the evolution of the vertebrate spine. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 10682-6	11.5	63
116	Uncoupling time and space in the collinear regulation of Hox genes. *PLoS Genetics*, **2009**, 5, e1000398	6	63
115	Targeted inversion of a polar silencer within the HoxD complex re-allocates domains of enhancer sharing. *Nature Genetics*, **2000**, 26, 451-4	36.3	63
114	Zebrafish Hoxa and Evx-2 genes: cloning, developmental expression and implications for the functional evolution of posterior Hox genes. *Mechanisms of Development*, **1996**, 59, 165-75	1.7	63
113	Mechanisms of Hox gene colinearity: transposition of the anterior Hoxb1 gene into the posterior HoxD complex. *Genes and Development*, **2000**, 14, 198-211	12.6	63
112	A genetic approach to the transcriptional regulation of Hox gene clusters. *Annual Review of Genetics*, **2011**, 45, 145-66	14.5	59
111	Rostral and caudal pharyngeal arches share a common neural crest ground pattern. *Development (Cambridge)*, **2009**, 136, 637-45	6.6	59

110	Hox gene function in vertebrate gut morphogenesis: the case of the caecum. *Development (Cambridge)*, **2007**, 134, 3967-73	6.6	58
109	A role for HOX13 proteins in the regulatory switch between TADs at the HoxD locus. *Genes and Development*, **2016**, 30, 1172-86	12.6	57
108	Multiple enhancers regulate Hoxd genes and the Hotdog LncRNA during cecum budding. *Cell Reports*, **2013**, 5, 137-50	10.6	54
107	Chromatin organization and global regulation of Hox gene clusters. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2013**, 368, 20120367	5.8	53
106	Structure, function and evolution of topologically associating domains (TADs) at HOX loci. *FEBS Letters*, **2015**, 589, 2869-76	3.8	50
105	A regulatory Tlandscape effectTover the HoxD cluster. *Developmental Biology*, **2011**, 351, 288-96	3.1	50
104	Epigenetic regulation of Hox gene activation: the waltz of methyls. *BioEssays*, **2008**, 30, 199-202	4.1	50
103	Functional equivalence and rescue among group 11 Hox gene products in vertebral patterning. *Developmental Biology*, **1996**, 176, 325-8	3.1	49
102	Correlation of expression of Wnt-1 in developing limbs with abnormalities in growth and skeletal patterning. *Nature*, **1993**, 362, 546-9	50.4	49
101	The HOX-5 and surfeit gene clusters are linked in the proximal portion of mouse chromosome 2. *Genomics*, **1990**, 6, 645-50	4.3	49
100	Hox gene expression in limbs: colinearity by opposite regulatory controls. *Developmental Biology*, **1999**, 208, 157-65	3.1	48
99	Duplications of hox gene clusters and the emergence of vertebrates. *Developmental Biology*, **2013**, 378, 194-9	3.1	46
98	Interspecies exchange of a Hoxd enhancer in vivo induces premature transcription and anterior shift of the sacrum. *Developmental Biology*, **1997**, 190, 32-40	3.1	46
97	Interactions between HOXD and Gli3 genes control the limb apical ectodermal ridge via Fgf10. *Developmental Biology*, **2007**, 306, 883-93	3.1	46
96	A molecular approach to the evolution of vertebrate paired appendages. *Trends in Ecology and Evolution*, **1996**, 11, 114-9	10.9	46
95	Dorso-ventral limb polarity and origin of the ridge: on the fringe of independence?. *BioEssays*, **1997**, 19, 541-6	4.1	44
94	Epigenetic regulation of vertebrate Hox genes: a dynamic equilibrium. *Epigenetics*, **2009**, 4, 537-40	5.7	43
93	HoxD cluster scanning deletions identify multiple defects leading to paralysis in the mouse mutant Ironside. *Genes and Development*, **2005**, 19, 2862-76	12.6	43

92	Evolving Hox activity profiles govern diversity in locomotor systems. *Developmental Cell*, **2014**, 29, 171-87	10.2	42
91	An update of mouse and human HOX gene nomenclature. *Genomics*, **1990**, 7, 458-9	4.3	42
90	A t(2;8) balanced translocation with breakpoints near the human HOXD complex causes mesomelic dysplasia and vertebral defects. *Genomics*, **2002**, 79, 493-8	4.3	40
89	Chromatin architectures and Hox gene collinearity. *Current Topics in Developmental Biology*, **2013**, 104, 113-48	5.3	39
88	Ectopic nuclear reorganisation driven by a Hoxb1 transgene transposed into Hoxd. *Journal of Cell Science*, **2008**, 121, 571-7	5.3	38
87	Atypical relaxation of structural constraints in Hox gene clusters of the green anole lizard. *Genome Research*, **2009**, 19, 602-10	9.7	37
86	Tail Bud Progenitor Activity Relies on a Network Comprising Gdf11, Lin28, and Hox13 Genes. *Developmental Cell*, **2019**, 48, 383-395.e8	10.2	37
85	Antagonists go out on a limb. *Cell*, **1999**, 99, 563-6	56.2	36
84	Distinct roles and regulations for HoxD genes in metanephric kidney development. *PLoS Genetics*, **2007**, 3, e232	6	34
83	Global control regions and regulatory landscapes in vertebrate development and evolution. *Advances in Genetics*, **2008**, 61, 175-205	3.3	33
82	Evolutionary conserved sequences are required for the insulation of the vertebrate Hoxd complex in neural cells. *Development (Cambridge)*, **2002**, 129, 5521-8	6.6	33
81	Impact of copy number variations (CNVs) on long-range gene regulation at the HoxD locus. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 20204-11	11.5	32
80	Landscapes and archipelagos: spatial organization of gene regulation in vertebrates. *Trends in Cell Biology*, **2012**, 22, 347-54	18.3	31
79	Genetic analysis of a conserved sequence in the HoxD complex: regulatory redundancy or limitations of the transgenic approach?. *Developmental Dynamics*, **1998**, 213, 1-11	2.9	30
78	Transgenic analysis of a potential Hoxd-11 limb regulatory element present in tetrapods and fish. *Developmental Biology*, **1996**, 180, 543-53	3.1	30
77	Genotypic features of lentivirus transgenic mice. *Journal of Virology*, **2008**, 82, 7111-9	6.6	29
76	A genetic approach to the recruitment of PRC2 at the HoxD locus. *PLoS Genetics*, **2013**, 9, e1003951	6	28
75	Additive and global functions of HoxA cluster genes in mesoderm derivatives. *Developmental Biology*, **2010**, 341, 488-98	3.1	28

74	Classification of limb defects **1998**, 77, 439-441		28
73	Developmental expression of the mouse Evx-2 gene: relationship with the evolution of the HOM/Hox complex. *Development (Cambridge)*, **1994**, 1994, 143-153	6.6	27
72	Large scale genomic reorganization of topological domains at the HoxD locus. *Genome Biology*, **2017**, 18, 149	18.3	24
71	Noncoding copy-number variations are associated with congenital limb malformation. *Genetics in Medicine*, **2018**, 20, 599-607	8.1	24
70	The murine even-skipped-like gene Evx-2 is closely linked to the Hox-4 complex, but is transcribed in the opposite direction. *Mammalian Genome*, **1992**, 3, 241-3	3.2	24
69	Control of Hoxd gene transcription in the mammary bud by hijacking a preexisting regulatory landscape. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, E7720-E7729	11.5	23
68	Hox is in the hair: a break in colinearity?. *Genes and Development*, **1998**, 12, 1-4	12.6	23
67	A systematic enhancer screen using lentivector transgenesis identifies conserved and non-conserved functional elements at the Olig1 and Olig2 locus. *PLoS ONE*, **2010**, 5, e15741	3.7	23
66	The regulatory landscapes of developmental genes. *Development (Cambridge)*, **2020**, 147,	6.6	22
65	Reorganisation of Hoxd regulatory landscapes during the evolution of a snake-like body plan. *ELife*, **2016**, 5,	8.9	22
64	A function for all posterior Hoxd genes during digit development?. *Developmental Dynamics*, **2012**, 241, 792-802	2.9	21
63	Topological Domains, Metagenes, and the Emergence of Pleiotropic Regulations at Hox Loci. *Current Topics in Developmental Biology*, **2016**, 116, 299-314	5.3	20
62	The constrained architecture of mammalian gene clusters. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 13424-13433	11.5	19
61	An enhancer-titration effect induces digit-specific regulatory alleles of the HoxD cluster. *Developmental Biology*, **2003**, 256, 212-20	3.1	19
60	The murine genes Hox-5.1 and Hox-4.1 belong to the same HOX complex on chromosome 2. *Genomics*, **1990**, 7, 422-7	4.3	19
59	SnapShot: Hox gene regulation. *Cell*, **2014**, 156, 856-856.e1	56.2	18
58	Control of growth and gut maturation by genes and the associated lncRNA. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, E9290-E9299	11.5	17
57	Characterization of mouse Dactylaplasia mutations: a model for human ectrodactyly SHFM3. *Mammalian Genome*, **2008**, 19, 272-8	3.2	17

56	Combined function of HoxA and HoxB clusters in neural crest cells. *Developmental Biology*, **2013**, 382, 293-301	3.1	16
55	Similarities and differences in the regulation of HoxD genes during chick and mouse limb development. *PLoS Biology*, **2018**, 16, e3000004	9.7	15
54	Integration of Shh and Fgf signaling in controlling gene expression in cultured limb cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 3139-3144	11.5	14
53	Visualizing the HoxD Gene Cluster at the Nanoscale Level. *Cold Spring Harbor Symposia on Quantitative Biology*, **2015**, 80, 9-16	3.9	14
52	Bimodal control of Hoxd gene transcription in the spinal cord defines two regulatory subclusters. *Development (Cambridge)*, **2012**, 139, 929-39	6.6	14
51	A fine analysis of glucose-phosphate-isomerase patterns in single preimplantation mouse embryos. *Differentiation*, **1985**, 29, 25-8	3.5	14
50	A complex regulatory landscape involved in the development of mammalian external genitals. *ELife* , **2020**, 9,	8.9	14
49	Heterogeneous combinatorial expression of Hoxd genes in single cells during limb development. *BMC Biology*, **2018**, 16, 101	7.3	14
48	Chromatin looping and organization at developmentally regulated gene loci. *Wiley Interdisciplinary Reviews: Developmental Biology*, **2013**, 2, 615-30	5.9	13
47	Colinearity loops out. *Developmental Cell*, **2004**, 6, 738-40	10.2	13
46	Impact of genome architecture on the functional activation and repression of Hox regulatory landscapes. *BMC Biology*, **2019**, 17, 55	7.3	12
45	The evo-devo comet. *EMBO Reports*, **2010**, 11, 489	6.5	12
44	Reshuffling genomic landscapes to study the regulatory evolution of Hox gene clusters. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 10632-7	11.5	11
43	Chromatin topology and the timing of enhancer function at the locus. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 31231-31241	11.5	11
42	Tetrapod axial evolution and developmental constraints; Empirical underpinning by a mouse model. *Mechanisms of Development*, **2015**, 138 Pt 2, 64-72	1.7	10
41	Conserved elements within open reading frames of mammalian Hox genes. *Journal of Biology*, **2009** , 8, 17		10
40	Development. The art of making a joint. *Science*, **2001**, 291, 1713-4	33.3	10
39	Reconstruction from serial sections: A tool for developmental biology. Application to Hox genes expression in chicken wing buds. *Bioimaging*, **1993**, 1, 151-158		10

38	No milk today (my Hox have gone away). *Proceedings of the National Academy of Sciences of the United States of America*, **1999**, 96, 322-3	11.5	9
37	Generating Gastruloids from Mouse Embryonic Stem Cells. *Protocol Exchange*,		9
36	Analysis of the dynamics of limb transcriptomes during mouse development. *BMC Developmental Biology*, **2011**, 11, 47	3.1	8
35	Genetic control of murine limb morphogenesis: relationships with human syndromes and evolutionary relevance. *Molecular and Cellular Endocrinology*, **1998**, 140, 3-8	4.4	8
34	Snakes: hatching of a model system for Evo-Devo?. *International Journal of Developmental Biology*, **2014**, 58, 727-32	1.9	7
33	A genetic basis for altered sexual behavior in mutant female mice. *Current Biology*, **2012**, 22, 1676-80	6.3	7
32	Transgene- and locus-dependent imprinting reveals allele-specific chromosome conformations. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 11946-51	11.5	5
31	The Hox complex - an interview with Denis Duboule. Interviewed by Richardson, Michael K. *International Journal of Developmental Biology*, **2009**, 53, 717-23	1.9	5
30	The genetics of murine Hox loci: TAMERE, STRING, and PANTHERE to engineer chromosome variants. *Methods in Molecular Biology*, **2014**, 1196, 89-102	1.4	5
29	Mammalian-specific ectodermal enhancers control the expression of genes in developing nails and hair follicles. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 30509-30519	11.5	5
28	Dbx2 regulation in limbs suggests interTAD sharing of enhancers. *Developmental Dynamics*, **2021**, 250, 1280-1299	2.9	5
27	Fryns type mesomelic dysplasia of the upper limbs caused by inverted duplications of the HOXD gene cluster. *European Journal of Human Genetics*, **2020**, 28, 324-332	5.3	5
26	Analysis of Polycerate Mutants Reveals the Evolutionary Co-option of HOXD1 for Horn Patterning in Bovidae. *Molecular Biology and Evolution*, **2021**, 38, 2260-2272	8.3	5
25	Induction of a chromatin boundary in vivo upon insertion of a TAD border. *PLoS Genetics*, **2021**, 17, e1009691		5
24	A nested deletion approach to generate Cre deleter mice with progressive Hox profiles. *International Journal of Developmental Biology*, **2002**, 46, 185-91	1.9	5
23	Characterization of paralogous transcription factor encoding genes in zebrafish. *Gene: X*, **2019**, 2, 100011	1.1	4
22	Tinkering with constraints in the evolution of the vertebrate limb anterior-posterior polarity. *Novartis Foundation Symposium*, **2007**, 284, 130-7; discussion 138-41, 158-63		4
21	Protein synthesis in hybrid cells derived from fetal rat x mouse chimeric organs. *Differentiation*, **1982**, 23, 145-52	3.5	3

20	Mesomelic dysplasias associated with the HOXD locus are caused by regulatory reallocations. *Nature Communications*, **2021**, 12, 5013	17.4	3
19	Response to Peron et al. *Genetics in Medicine*, **2018**, 20, 1481-1482	8.1	2
18	Structural and Functional Aspects of Mammalian Hox Genes. *Advances in Developmental Biochemistry*, **1993**, 57-109		2
17	Author response: Reorganisation of Hoxd regulatory landscapes during the evolution of a snake-like body plan **2016**,		2
16	Sequential in mutagenesis in vivo reveals various functions for CTCF sites at the mouse cluster. *Genes and Development*, **2021**, 35, 1490-1509	12.6	2
15	Molecular Genetic Analysis of the Role of the HoxD Complex in Skeletal Development **2004**, 101-112		2
14	Impact of Genome Architecture Upon the Functional Activation and Repression of Hox Regulatory Landscapes		2
13	Time-sequenced transcriptomes of developing distal mouse limb buds: A comparative tissue layer analysis. *Developmental Dynamics*, **2021**,	2.9	2
12	Ectopic Expression of Wnt-1 Induces Abnormalities in Growth and Skeletal Patterning of the Limbs **1995**, 315-321		1
11	Chromatin topology and the timing of enhancer function at the hoxd locus		1
10	HOX13-MEDIATED DBX2 REGULATION IN LIMBS SUGGESTS INTER-TAD SHARING OF ENHANCERS		1
9	A Complex Regulatory Landscape Involved In The Development Of External Genitals		1
8	DEVELOPMENTAL AND EVOLUTIONARY COMPARATIVE ANALYSIS OF A HOXD REGULATORY LANDSCAPE IN MAMMALS AND BIRDS		1
7	Genetic analysis of a conserved sequence in the HoxD complex: Regulatory redundancy or limitations of the transgenic approach? **1998**, 213, 1		1
6	Essay the (unusual) heuristic value of Hox gene clusters; a matter of time?. *Developmental Biology*, **2022**,	3.1	1
5	Commentary on paper by Leroy C. *Developmental Biology*, **2019**, 454, 1-14	3.1	
4	Rescue of an aggressive female sexual courtship in mice by CRISPR/Cas9 secondary mutation in vivo. *BMC Research Notes*, **2018**, 11, 193	2.3	
3	Homeobox genes and mouse skin regionalization. *Biology of the Cell*, **1995**, 84, 112-112	3.5	

2 Role of Hoxc genes in the development of the limb integumentary organ (nail, claw, or hoof). *FASEB Journal*, **2018**, 32, 20.1-20.1 0.9

1 A Comparison of the Expression Domains of the Murine Hox-4, RARs and CRABP Genes Suggests Possible Functional Relationships During Patterning of the Vertebrate Limb **1991**, 65-73