Denis Duboule

List of Publications by Year in Descending Order

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	Essay the (unusual) heuristic value of Hox gene clusters; a matter of time?. *Developmental Biology*, **2022**,	3.1	1
198	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
197	Dbx2 regulation in limbs suggests interTAD sharing of enhancers. *Developmental Dynamics*, **2021**, 250, 1280-1299	2.9	5
196	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
195	Induction of a chromatin boundary in vivo upon insertion of a TAD border. *PLoS Genetics*, **2021**, 17, e1009691	5	
194	Time-sequenced transcriptomes of developing distal mouse limb buds: A comparative tissue layer analysis. *Developmental Dynamics*, **2021**,	2.9	2
193	Mesomelic dysplasias associated with the HOXD locus are caused by regulatory reallocations. *Nature Communications*, **2021**, 12, 5013	17.4	3
192	The regulatory landscapes of developmental genes. *Development (Cambridge)*, **2020**, 147,	6.6	22
191	A complex regulatory landscape involved in the development of mammalian external genitals. *ELife* , **2020**, 9,	8.9	14
190	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
189	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
188	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
187	Commentary on paper by Leroy C. *Developmental Biology*, **2019**, 454, 1-14	3.1	
186	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
185	Characterization of paralogous transcription factor encoding genes in zebrafish. *Gene: X*, **2019**, 2, 100011	1.1	4
184	Impact of genome architecture on the functional activation and repression of Hox regulatory landscapes. *BMC Biology*, **2019**, 17, 55	7.3	12
183	Tail Bud Progenitor Activity Relies on a Network Comprising Gdf11, Lin28, and Hox13 Genes. *Developmental Cell*, **2019**, 48, 383-395.e8	10.2	37

182	Response to Peron et al. *Genetics in Medicine*, **2018**, 20, 1481-1482	8.1	2
181	Noncoding copy-number variations are associated with congenital limb malformation. *Genetics in Medicine*, **2018**, 20, 599-607	8.1	24
180	Rescue of an aggressive female sexual courtship in mice by CRISPR/Cas9 secondary mutation in vivo. *BMC Research Notes*, **2018**, 11, 193	2.3	
179	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	
178	Similarities and differences in the regulation of HoxD genes during chick and mouse limb development. *PLoS Biology*, **2018**, 16, e3000004	9.7	15
177	Multi-axial self-organization properties of mouse embryonic stem cells into gastruloids. *Nature*, **2018**, 562, 272-276	50.4	199
176	Heterogeneous combinatorial expression of Hoxd genes in single cells during limb development. *BMC Biology*, **2018**, 16, 101	7.3	14
175	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
174	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
173	Large scale genomic reorganization of topological domains at the HoxD locus. *Genome Biology*, **2017**, 18, 149	18.3	24
172	Embryonic timing, axial stem cells, chromatin dynamics, and the Hox clock. *Genes and Development*, **2017**, 31, 1406-1416	12.6	93
171	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
170	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
169	Topological Domains, Metagenes, and the Emergence of Pleiotropic Regulations at Hox Loci. *Current Topics in Developmental Biology*, **2016**, 116, 299-314	5.3	20
168	Author response: Reorganisation of Hoxd regulatory landscapes during the evolution of a snake-like body plan **2016**,		2
167	Reorganisation of Hoxd regulatory landscapes during the evolution of a snake-like body plan. *ELife*, **2016**, 5,	8.9	22
166	Hotair Is Dispensible for Mouse Development. *PLoS Genetics*, **2016**, 12, e1006232	6	70
165	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

164	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
163	Structure, function and evolution of topologically associating domains (TADs) at HOX loci. *FEBS Letters*, **2015**, 589, 2869-76	3.8	50
162	Tetrapod axial evolution and developmental constraints; Empirical underpinning by a mouse model. *Mechanisms of Development*, **2015**, 138 Pt 2, 64-72	1.7	10
161	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
160	Visualizing the HoxD Gene Cluster at the Nanoscale Level. *Cold Spring Harbor Symposia on Quantitative Biology*, **2015**, 80, 9-16	3.9	14
159	Convergent evolution of complex regulatory landscapes and pleiotropy at Hox loci. *Science*, **2014**, 346, 1004-6	33.3	95
158	Attenuated sensing of SHH by Ptch1 underlies evolution of bovine limbs. *Nature*, **2014**, 511, 46-51	50.4	78
157	Evolving Hox activity profiles govern diversity in locomotor systems. *Developmental Cell*, **2014**, 29, 171-87	10.2	42
156	SnapShot: Hox gene regulation. *Cell*, **2014**, 156, 856-856.e1	56.2	18
155	Considerations when investigating lncRNA function in vivo. *ELife*, **2014**, 3, e03058	8.9	252
154	Snakes: hatching of a model system for Evo-Devo?. *International Journal of Developmental Biology*, **2014**, 58, 727-32	1.9	7
153	Conservation and divergence of regulatory strategies at Hox Loci and the origin of tetrapod digits. *PLoS Biology*, **2014**, 12, e1001773	9.7	113
152	Temporal dynamics and developmental memory of 3D chromatin architecture at Hox gene loci. *ELife*, **2014**, 3, e02557	8.9	94
151	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
150	Topology of mammalian developmental enhancers and their regulatory landscapes. *Nature*, **2013**, 502, 499-506	50.4	355
149	Chromatin organization and global regulation of Hox gene clusters. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2013**, 368, 20120367	5.8	53
148	A switch between topological domains underlies HoxD genes collinearity in mouse limbs. *Science*, **2013**, 340, 1234167	33.3	302
147	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

146	Multiple enhancers regulate Hoxd genes and the Hotdog LncRNA during cecum budding. *Cell Reports*, **2013**, 5, 137-50	10.6	54
145	Combined function of HoxA and HoxB clusters in neural crest cells. *Developmental Biology*, **2013**, 382, 293-301	3.1	16
144	Chromatin looping and organization at developmentally regulated gene loci. *Wiley Interdisciplinary Reviews: Developmental Biology*, **2013**, 2, 615-30	5.9	13
143	Chromatin architectures and Hox gene collinearity. *Current Topics in Developmental Biology*, **2013**, 104, 113-48	5.3	39
142	Duplications of hox gene clusters and the emergence of vertebrates. *Developmental Biology*, **2013**, 378, 194-9	3.1	46
141	A genetic approach to the recruitment of PRC2 at the HoxD locus. *PLoS Genetics*, **2013**, 9, e1003951	6	28
140	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
139	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
138	A genetic basis for altered sexual behavior in mutant female mice. *Current Biology*, **2012**, 22, 1676-80	6.3	7
137	A function for all posterior Hoxd genes during digit development?. *Developmental Dynamics*, **2012**, 241, 792-802	2.9	21
136	Landscapes and archipelagos: spatial organization of gene regulation in vertebrates. *Trends in Cell Biology*, **2012**, 22, 347-54	18.3	31
135	Bimodal control of Hoxd gene transcription in the spinal cord defines two regulatory subclusters. *Development (Cambridge)*, **2012**, 139, 929-39	6.6	14
134	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
133	A regulatory archipelago controls Hox genes transcription in digits. *Cell*, **2011**, 147, 1132-45	56.2	367
132	A regulatory landscape effectTover the HoxD cluster. *Developmental Biology*, **2011**, 351, 288-96	3.1	50
131	A genetic approach to the transcriptional regulation of Hox gene clusters. *Annual Review of Genetics*, **2011**, 45, 145-66	14.5	59
130	The dynamic architecture of Hox gene clusters. *Science*, **2011**, 334, 222-5	33.3	305
129	Analysis of the dynamics of limb transcriptomes during mouse development. *BMC Developmental Biology*, **2011**, 11, 47	3.1	8

128	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
127	Structural and functional differences in the long non-coding RNA hotair in mouse and human. *PLoS Genetics*, **2011**, 7, e1002071	6	191
126	The evo-devo comet. *EMBO Reports*, **2010**, 11, 489	6.5	12
125	Changes in Hox genesTstructure and function during the evolution of the squamate body plan. *Nature*, **2010**, 464, 99-103	50.4	122
124	The origin of digits: expression patterns versus regulatory mechanisms. *Developmental Cell*, **2010**, 18, 526-32	10.2	101
123	Functional analysis of CTCF during mammalian limb development. *Developmental Cell*, **2010**, 19, 819-30	10.2	102
122	Additive and global functions of HoxA cluster genes in mesoderm derivatives. *Developmental Biology*, **2010**, 341, 488-98	3.1	28
121	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
120	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
119	Atypical relaxation of structural constraints in Hox gene clusters of the green anole lizard. *Genome Research*, **2009**, 19, 602-10	9.7	37
118	Uncoupling time and space in the collinear regulation of Hox genes. *PLoS Genetics*, **2009**, 5, e1000398	6	63
117	Conserved elements within open reading frames of mammalian Hox genes. *Journal of Biology*, **2009**, 8, 17		10
116	Epigenetic temporal control of mouse Hox genes in vivo. *Science*, **2009**, 324, 1320-3	33.3	193
115	Rostral and caudal pharyngeal arches share a common neural crest ground pattern. *Development (Cambridge)*, **2009**, 136, 637-45	6.6	59
114	Epigenetic regulation of vertebrate Hox genes: a dynamic equilibrium. *Epigenetics*, **2009**, 4, 537-40	5.7	43
113	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
112	Modeling Hox gene regulation in digits: reverse collinearity and the molecular origin of thumbness. *Genes and Development*, **2008**, 22, 346-59	12.6	121
111	Global control regions and regulatory landscapes in vertebrate development and evolution. *Advances in Genetics*, **2008**, 61, 175-205	3.3	33

110	Genotypic features of lentivirus transgenic mice. *Journal of Virology*, **2008**, 82, 7111-9	6.6	29
109	Ectopic nuclear reorganisation driven by a Hoxb1 transgene transposed into Hoxd. *Journal of Cell Science*, **2008**, 121, 571-7	5.3	38
108	Characterization of mouse Dactylaplasia mutations: a model for human ectrodactyly SHFM3. *Mammalian Genome*, **2008**, 19, 272-8	3.2	17
107	Epigenetic regulation of Hox gene activation: the waltz of methyls. *BioEssays*, **2008**, 30, 199-202	4.1	50
106	The rise and fall of Hox gene clusters. *Development (Cambridge)*, **2007**, 134, 2549-60	6.6	352
105	Distinct roles and regulations for HoxD genes in metanephric kidney development. *PLoS Genetics*, **2007**, 3, e232	6	34
104	Hox gene function in vertebrate gut morphogenesis: the case of the caecum. *Development (Cambridge)*, **2007**, 134, 3967-73	6.6	58
103	Transgenic analysis of Hoxd gene regulation during digit development. *Developmental Biology*, **2007**, 306, 847-59	3.1	91
102	Interactions between HOXD and Gli3 genes control the limb apical ectodermal ridge via Fgf10. *Developmental Biology*, **2007**, 306, 883-93	3.1	46
101	The role of Hox genes during vertebrate limb development. *Current Opinion in Genetics and Development*, **2007**, 17, 359-66	4.9	320
100	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
99	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
98	Control of Hoxd genesTcollinearity during early limb development. *Developmental Cell*, **2006**, 10, 93-103	10.2	174
97	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
96	Regulatory constraints in the evolution of the tetrapod limb anterior-posterior polarity. *Nature*, **2006**, 443, 985-8	50.4	99
95	Inversion-induced disruption of the Hoxd cluster leads to the partition of regulatory landscapes. *Nature Genetics*, **2005**, 37, 889-93	36.3	119
94	Early developmental arrest of mammalian limbs lacking HoxA/HoxD gene function. *Nature*, **2005**, 435, 1113-6	50.4	206
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	Comparative analysis of genes downstream of the Hoxd cluster in developing digits and external genitalia. *Development (Cambridge)*, **2005**, 132, 3055-67	6.6	82
91	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
90	The loss of circadian PAR bZip transcription factors results in epilepsy. *Genes and Development*, **2004**, 18, 1397-412	12.6	186
89	A dual role for Hox genes in limb anterior-posterior asymmetry. *Science*, **2004**, 304, 1669-72	33.3	246
88	The European dimension for the mouse genome mutagenesis program. *Nature Genetics*, **2004**, 36, 925-7	36.3	176
87	Colinearity loops out. *Developmental Cell*, **2004**, 6, 738-40	10.2	13
86	Molecular Genetic Analysis of the Role of the HoxD Complex in Skeletal Development **2004**, 101-112		2
85	A global control region defines a chromosomal regulatory landscape containing the HoxD cluster. *Cell*, **2003**, 113, 405-17	56.2	370
84	An enhancer-titration effect induces digit-specific regulatory alleles of the HoxD cluster. *Developmental Biology*, **2003**, 256, 212-20	3.1	19
83	Organizing axes in time and space; 25 years of colinear tinkering. *Science*, **2003**, 301, 331-3	33.3	420
82	Serial deletions and duplications suggest a mechanism for the collinearity of Hoxd genes in limbs. *Nature*, **2002**, 420, 145-50	50.4	191
81	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
80	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
79	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
78	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
77	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
76	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
75	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

74	Localized and transient transcription of Hox genes suggests a link between patterning and the segmentation clock. *Cell*, **2001**, 106, 207-17	56.2	161
73	Development. The art of making a joint. *Science*, **2001**, 291, 1713-4	33.3	10
72	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
71	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
70	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
69	Hox genes and the making of sphincters. *Nature*, **1999**, 401, 761-2	50.4	75
68	Hox genes in digit development and evolution. *Cell and Tissue Research*, **1999**, 296, 19-25	4.2	146
67	Breaking colinearity in the mouse HoxD complex. *Cell*, **1999**, 97, 407-17	56.2	123
66	Antagonists go out on a limb. *Cell*, **1999**, 99, 563-6	56.2	36
65	Hox gene expression in limbs: colinearity by opposite regulatory controls. *Developmental Biology*, **1999**, 208, 157-65	3.1	48
64	Engineering chromosomes in mice through targeted meiotic recombination (TAMERE). *Nature Genetics*, **1998**, 20, 381-4	36.3	136
63	The evolution of ‘bricolage’ *Trends in Genetics*, **1998**, 14, 54-9	8.5	196
62	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
61	Classification of limb defects **1998**, 77, 439-441		28
60	Genetic control of murine limb morphogenesis: relationships with human syndromes and evolutionary relevance. *Molecular and Cellular Endocrinology*, **1998**, 140, 3-8	4.4	8
59	Vertebrate hox gene regulation: clustering and/or colinearity?. *Current Opinion in Genetics and Development*, **1998**, 8, 514-8	4.9	122
58	Control of colinearity in AbdB genes of the mouse HoxD complex. *Molecular Cell*, **1998**, 1, 289-300	17.6	65
57	Hox is in the hair: a break in colinearity?. *Genes and Development*, **1998**, 12, 1-4	12.6	23

56	Genetic analysis of a conserved sequence in the HoxD complex: Regulatory redundancy or limitations of the transgenic approach? **1998**, 213, 1		1
55	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
54	Deletion of a HoxD enhancer induces transcriptional heterochrony leading to transposition of the sacrum. *EMBO Journal*, **1997**, 16, 4393-402	13	84
53	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
52	Of fingers, toes and penises. *Nature*, **1997**, 390, 29	50.4	273
51	Dorso-ventral limb polarity and origin of the ridge: on the fringe of independence?. *BioEssays*, **1997**, 19, 541-6	4.1	44
50	Male accessory sex organ morphogenesis is altered by loss of function of Hoxd-13. *Developmental Dynamics*, **1997**, 208, 454-65	2.9	112
49	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
48	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
47	A molecular approach to the evolution of vertebrate paired appendages. *Trends in Ecology and Evolution*, **1996**, 11, 114-9	10.9	46
46	Functional equivalence and rescue among group 11 Hox gene products in vertebral patterning. *Developmental Biology*, **1996**, 176, 325-8	3.1	49
45	Transgenic analysis of a potential Hoxd-11 limb regulatory element present in tetrapods and fish. *Developmental Biology*, **1996**, 180, 543-53	3.1	30
44	Synpolydactyly in mice with a targeted deficiency in the HoxD complex. *Nature*, **1996**, 384, 69-71	50.4	184
43	Gene transpositions in the HoxD complex reveal a hierarchy of regulatory controls. *Cell*, **1996**, 85, 1025-35	36.2	187
42	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
41	Hox gene expression in teleost fins and the origin of vertebrate digits. *Nature*, **1995**, 375, 678-81	50.4	270
40	Vertebrate Hox genes and proliferation: an alternative pathway to homeosis?. *Current Opinion in Genetics and Development*, **1995**, 5, 525-8	4.9	126
39	Homeobox genes and mouse skin regionalization. *Biology of the Cell*, **1995**, 84, 112-112	3.5	

38	Ectopic Expression of Wnt-1 Induces Abnormalities in Growth and Skeletal Patterning of the Limbs **1995**, 315-321		1
37	How to make a limb?. *Science*, **1994**, 266, 575-6	33.3	94
36	Colinearity and functional hierarchy among genes of the homeotic complexes. *Trends in Genetics*, **1994**, 10, 358-64	8.5	362
35	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
34	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
33	Disruption of the Hoxd-13 gene induces localized heterochrony leading to mice with neotenic limbs. *Cell*, **1993**, 75, 431-41	56.2	397
32	Structural and Functional Aspects of Mammalian Hox Genes. *Advances in Developmental Biochemistry*, **1993**, 57-109		2
31	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
30	Correlation of expression of Wnt-1 in developing limbs with abnormalities in growth and skeletal patterning. *Nature*, **1993**, 362, 546-9	50.4	49
29	Reconstruction from serial sections: A tool for developmental biology. Application to Hox genes expression in chicken wing buds. *Bioimaging*, **1993**, 1, 151-158		10
28	Regional expression of the homeobox gene Nkx-2.2 in the developing mammalian forebrain. *Neuron*, **1992**, 8, 241-55	13.9	274
27	Homeobox genes and pattern formation in the vertebrate limb. *Developmental Biology*, **1992**, 152, 26-36	3.1	92
26	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
25	Targeted misexpression of Hox-4.6 in the avian limb bud causes apparent homeotic transformations. *Nature*, **1992**, 358, 236-9	50.4	283
24	Expression of the murine Dlx-1 homeobox gene during facial, ocular and limb development. *Differentiation*, **1992**, 49, 93-9	3.5	143
23	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
22	HOX-4 genes and the morphogenesis of mammalian genitalia. *Genes and Development*, **1991**, 5, 1767-7	12.6	223
21	Expression of the homeobox Hox-4 genes and the specification of position in chick wing development. *Nature*, **1991**, 350, 585-9	50.4	364

20	A mouse gene related to Distal-less shows a restricted expression in the developing forebrain. *Nature*, **1991**, 351, 748-51	50.4	256
19	Patterning in the vertebrate limb. *Current Opinion in Genetics and Development*, **1991**, 1, 211-6	4.9	100
18	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
17	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		
16	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
15	A molecular genetic linkage map of mouse chromosome 2. *Genomics*, **1990**, 6, 491-504	4.3	77
14	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
13	An update of mouse and human HOX gene nomenclature. *Genomics*, **1990**, 7, 458-9	4.3	42
12	Coordinate expression of the murine Hox-5 complex homoeobox-containing genes during limb pattern formation. *Nature*, **1989**, 342, 767-72	50.4	531
11	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
10	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
9	Homoeobox gene expression in mouse embryos varies with position by the primitive streak stage. *Nature*, **1986**, 324, 662-4	50.4	120
8	A fine analysis of glucose-phosphate-isomerase patterns in single preimplantation mouse embryos. *Differentiation*, **1985**, 29, 25-8	3.5	14
7	Protein synthesis in hybrid cells derived from fetal rat x mouse chimeric organs. *Differentiation*, **1982**, 23, 145-52	3.5	3
6	Generating Gastruloids from Mouse Embryonic Stem Cells. *Protocol Exchange*,		9
5	Chromatin topology and the timing of enhancer function at the hoxd locus		1
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