

Andrew P McMahon

List of Publications by Year in descending order

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291
papers

66,871
citations

333

137
h-index

735

251
g-index

306
all docs

306
docs citations

306
times ranked

45789
citing authors

#	ARTICLE	IF	CITATIONS
1	Hedgehog signaling in animal development: paradigms and principles. <i>Genes and Development</i> , 2001, 15, 3059-3087.	2.7	2,630
2	Sonic hedgehog, a member of a family of putative signaling molecules, is implicated in the regulation of CNS polarity. <i>Cell</i> , 1993, 75, 1417-1430.	13.5	1,993
3	The Wnt-1 (int-1) proto-oncogene is required for development of a large region of the mouse brain. <i>Cell</i> , 1990, 62, 1073-1085.	13.5	1,474
4	Canonical Wnt Signaling in Differentiated Osteoblasts Controls Osteoclast Differentiation. <i>Developmental Cell</i> , 2005, 8, 751-764.	3.1	1,402
5	Hedgehog and Bmp Genes Are Coexpressed at Many Diverse Sites of Cell-Cell Interaction in the Mouse Embryo. <i>Developmental Biology</i> , 1995, 172, 126-138.	0.9	1,313
6	Fate Tracing Reveals the Pericyte and Not Epithelial Origin of Myofibroblasts in Kidney Fibrosis. <i>American Journal of Pathology</i> , 2010, 176, 85-97.	1.9	1,281
7	Modification of gene activity in mouse embryos in utero by a tamoxifen-inducible form of Cre recombinase. <i>Current Biology</i> , 1998, 8, 1323-S2.	1.8	1,211
8	Efficient Recombination in Diverse Tissues by a Tamoxifen-Inducible Form of Cre: A Tool for Temporally Regulated Gene Activation/Inactivation in the Mouse. <i>Developmental Biology</i> , 2002, 244, 305-318.	0.9	1,195
9	Female development in mammals is regulated by Wnt-4 signalling. <i>Nature</i> , 1999, 397, 405-409.	13.7	1,115
10	Epithelial transformation of metanephric mesenchyme in the developing kidney regulated by Wnt-4. <i>Nature</i> , 1994, 372, 679-683.	13.7	973
11	Evidence for an Expansion-Based Temporal Shh Gradient in Specifying Vertebrate Digit Identities. <i>Cell</i> , 2004, 118, 517-528.	13.5	893
12	Distinct roles for Hedgehog and canonical Wnt signaling in specification, differentiation and maintenance of osteoblast progenitors. <i>Development (Cambridge)</i> , 2006, 133, 3231-3244.	1.2	887
13	Six2 Defines and Regulates a Multipotent Self-Renewing Nephron Progenitor Population throughout Mammalian Kidney Development. <i>Cell Stem Cell</i> , 2008, 3, 169-181.	5.2	815
14	1 Developmental roles and clinical significance of Hedgehog signaling. <i>Current Topics in Developmental Biology</i> , 2003, 53, 1-114.	1.0	799
15	Wnt9b Plays a Central Role in the Regulation of Mesenchymal to Epithelial Transitions Underlying Organogenesis of the Mammalian Urogenital System. <i>Developmental Cell</i> , 2005, 9, 283-292.	3.1	788
16	Sonic Hedgehog Regulates Oligodendrocyte Lineage Genes Encoding bHLH Proteins in the Mammalian Central Nervous System. <i>Neuron</i> , 2000, 25, 317-329.	3.8	779
17	Noggin, Cartilage Morphogenesis, and Joint Formation in the Mammalian Skeleton. <i>Science</i> , 1998, 280, 1455-1457.	6.0	768
18	Intrinsic Epithelial Cells Repair the Kidney after Injury. <i>Cell Stem Cell</i> , 2008, 2, 284-291.	5.2	752

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19	Vertebrate Hedgehog signalling modulated by induction of a Hedgehog-binding protein. <i>Nature</i> , 1999, 397, 617-621.	13.7	716
20	Dorsalizing signal Wnt-7a required for normal polarity of D-V and A-P axes of mouse limb. <i>Nature</i> , 1995, 374, 350-353.	13.7	698
21	Wnt signalling required for expansion of neural crest and CNS progenitors. <i>Nature</i> , 1997, 389, 966-970.	13.7	655
22	Sonic Hedgehog Is Required for Progenitor Cell Maintenance in Telencephalic Stem Cell Niches. <i>Neuron</i> , 2003, 39, 937-950.	3.8	651
23	Pattern formation in the vertebrate neural tube: a sonic hedgehog morphogen-regulated transcriptional network. <i>Development (Cambridge)</i> , 2008, 135, 2489-2503.	1.2	640
24	Sertoli cell signaling by Desert hedgehog regulates the male germline. <i>Current Biology</i> , 1996, 6, 298-304.	1.8	608
25	A mitogen gradient of dorsal midline Wnts organizes growth in the CNS. <i>Development (Cambridge)</i> , 2002, 129, 2087-2098.	1.2	600
26	Neural tube, skeletal and body wall defects in mice lacking transcription factor AP-2. <i>Nature</i> , 1996, 381, 238-241.	13.7	591
27	Expression of the proto-oncogene int-1 is restricted to specific neural cells in the developing mouse embryo. <i>Cell</i> , 1987, 50, 79-88.	13.5	589
28	Sonic hedgehog regulates branching morphogenesis in the mammalian lung. <i>Current Biology</i> , 1998, 8, 1083-1086.	1.8	589
29	The Morphogen Sonic Hedgehog Is an Axonal Chemoattractant that Collaborates with Netrin-1 in Midline Axon Guidance. <i>Cell</i> , 2003, 113, 11-23.	13.5	577
30	Acquisition of Granule Neuron Precursor Identity Is a Critical Determinant of Progenitor Cell Competence to Form Shh-Induced Medulloblastoma. <i>Cancer Cell</i> , 2008, 14, 123-134.	7.7	572
31	Genetic manipulation of hedgehog signaling in the endochondral skeleton reveals a direct role in the regulation of chondrocyte proliferation. <i>Development (Cambridge)</i> , 2001, 128, 5099-5108.	1.2	565
32	Smoothed Mutants Reveal Redundant Roles for Shh and Ihh Signaling Including Regulation of L/R Asymmetry by the Mouse Node. <i>Cell</i> , 2001, 105, 781-792.	13.5	543
33	Canonical Wnt Signaling Regulates Organ-Specific Assembly and Differentiation of CNS Vasculature. <i>Science</i> , 2008, 322, 1247-1250.	6.0	540
34	The world according to bedgebog. <i>Trends in Genetics</i> , 1997, 13, 14-21.	2.9	531
35	Hedgehog signaling in the neural crest cells regulates the patterning and growth of facial primordia. <i>Genes and Development</i> , 2004, 18, 937-951.	2.7	524
36	The dynamics of methylammonium ions in hybrid organic-inorganic perovskite solar cells. <i>Nature Communications</i> , 2015, 6, 7124.	5.8	517

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37	Ectopic expression of the proto-oncogene int-1 in <i>Xenopus</i> embryos leads to duplication of the embryonic axis. <i>Cell</i> , 1989, 58, 1075-1084.	13.5	482
38	Cholesterol Modification of Sonic Hedgehog Is Required for Long-Range Signaling Activity and Effective Modulation of Signaling by Ptc1. <i>Cell</i> , 2001, 105, 599-612.	13.5	475
39	Neural crest origins of the neck and shoulder. <i>Nature</i> , 2005, 436, 347-355.	13.7	466
40	Requirement of 19K form of Sonic hedgehog for induction of distinct ventral cell types in CNS explants. <i>Nature</i> , 1995, 375, 322-325.	13.7	463
41	Signal relay by BMP antagonism controls the SHH/FGF4 feedback loop in vertebrate limb buds. <i>Nature</i> , 1999, 401, 598-602.	13.7	428
42	Essential function of <i>Wnt-4</i> in mammary gland development downstream of progesterone signaling. <i>Genes and Development</i> , 2000, 14, 650-654.	2.7	416
43	<i>Wnt11</i> and <i>Ret/Gdnf</i> pathways cooperate in regulating ureteric branching during metanephric kidney development. <i>Development (Cambridge)</i> , 2003, 130, 3175-3185.	1.2	415
44	Efficient gene modulation in mouse epiblast using a <i>Sox2Cre</i> transgenic mouse strain. <i>Mechanisms of Development</i> , 2002, 119, S97-S101.	1.7	398
45	Mouse Brain Organization Revealed Through Direct Genome-Scale TF Expression Analysis. <i>Science</i> , 2004, 306, 2255-2257.	6.0	390
46	<i>WNT7b</i> mediates macrophage-induced programmed cell death in patterning of the vasculature. <i>Nature</i> , 2005, 437, 417-421.	13.7	383
47	BMP and <i>Ihh</i> /PTHrP signaling interact to coordinate chondrocyte proliferation and differentiation. <i>Development (Cambridge)</i> , 2001, 128, 4523-4534.	1.2	382
48	Sonic hedgehog regulates proliferation and differentiation of mesenchymal cells in the mouse metanephric kidney. <i>Development (Cambridge)</i> , 2002, 129, 5301-5312.	1.2	377
49	<i>Ihh</i> signaling is directly required for the osteoblast lineage in the endochondral skeleton. <i>Development (Cambridge)</i> , 2004, 131, 1309-1318.	1.2	372
50	The zebrafish organizer requires <i>chordino</i> . <i>Nature</i> , 1997, 387, 862-863.	13.7	363
51	<i>Noggin</i> is a mesenchymally derived stimulator of hair-follicle induction. <i>Nature Cell Biology</i> , 1999, 1, 158-164.	4.6	360
52	<i>Sonic hedgehog</i> Regulates Proliferation and Inhibits Differentiation of CNS Precursor Cells. <i>Journal of Neuroscience</i> , 1999, 19, 8954-8965.	1.7	357
53	Indian hedgehog couples chondrogenesis to osteogenesis in endochondral bone development. <i>Journal of Clinical Investigation</i> , 2001, 107, 295-304.	3.9	356
54	Macrophage <i>Wnt7b</i> is critical for kidney repair and regeneration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 4194-4199.	3.3	352

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55	Mammalian Kidney Development: Principles, Progress, and Projections. Cold Spring Harbor Perspectives in Biology, 2012, 4, a008300-a008300.	2.3	347
56	The Cell Surface Membrane Proteins Cdo and Boc Are Components and Targets of the Hedgehog Signaling Pathway and Feedback Network in Mice. Developmental Cell, 2006, 10, 647-656.	3.1	334
57	Sprouty1 Is a Critical Regulator of GDNF/RET-Mediated Kidney Induction. Developmental Cell, 2005, 8, 229-239.	3.1	327
58	Conditional mouse osteosarcoma, dependent on p53 loss and potentiated by loss of Rb, mimics the human disease. Genes and Development, 2008, 22, 1662-1676.	2.7	326
59	Schwann Cellâ€“Derived Desert Hedgehog Controls the Development of Peripheral Nerve Sheaths. Neuron, 1999, 23, 713-724.	3.8	323
60	Wnt/ β -catenin signaling regulates nephron induction during mouse kidney development. Development (Cambridge), 2007, 134, 2533-2539.	1.2	319
61	Dicer-dependent pathways regulate chondrocyte proliferation and differentiation. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 1949-1954.	3.3	315
62	Sexually dimorphic development of the mammalian reproductive tract requires Wnt-7a. Nature, 1998, 395, 707-710.	13.7	313
63	Sonic hedgehog signaling is required for expansion of granule neuron precursors and patterning of the mouse cerebellum. Developmental Biology, 2004, 270, 393-410.	0.9	313
64	Disruption of Fgf10/Fgfr2b-coordinated epithelial-mesenchymal interactions causes cleft palate. Journal of Clinical Investigation, 2004, 113, 1692-1700.	3.9	312
65	Notch2, but not Notch1, is required for proximal fate acquisition in the mammalian nephron. Development (Cambridge), 2007, 134, 801-811.	1.2	310
66	Distinct and sequential tissue-specific activities of the LIM-class homeobox gene Lim1 for tubular morphogenesis during kidney development. Development (Cambridge), 2005, 132, 2809-2823.	1.2	307
67	Osr1 expression demarcates a multi-potent population of intermediate mesoderm that undergoes progressive restriction to an Osr1-dependent nephron progenitor compartment within the mammalian kidney. Developmental Biology, 2008, 324, 88-98.	0.9	291
68	The cdx Genes and Retinoic Acid Control the Positioning and Segmentation of the Zebrafish Pronephros. PLoS Genetics, 2007, 3, e189.	1.5	287
69	Noncanonical Wnt Signaling through G Protein-Linked PKC β Activation Promotes Bone Formation. Developmental Cell, 2007, 12, 113-127.	3.1	286
70	Chronic epithelial kidney injury molecule-1 expression causes murine kidney fibrosis. Journal of Clinical Investigation, 2013, 123, 4023-4035.	3.9	281
71	A mitogen gradient of dorsal midline Wnts organizes growth in the CNS. Development (Cambridge), 2002, 129, 2087-98.	1.2	278
72	Analysis of Epithelialâ€“Mesenchymal Interactions in the Initial Morphogenesis of the Mammalian Tooth. Developmental Biology, 1998, 202, 215-227.	0.9	276

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73	Engrailed-1 as a target of the Wnt-1 signalling pathway in vertebrate midbrain development. <i>Nature</i> , 1996, 383, 332-334.	13.7	270
74	Sox17 promotes differentiation in mouse embryonic stem cells by directly regulating extraembryonic gene expression and indirectly antagonizing self-renewal. <i>Genes and Development</i> , 2010, 24, 312-326.	2.7	270
75	A genome-scale analysis of the <i>cis</i> -regulatory circuitry underlying sonic hedgehog-mediated patterning of the mammalian limb. <i>Genes and Development</i> , 2008, 22, 2651-2663.	2.7	269
76	Evidence That Absence of Wnt-3a Signaling Promotes Neuralization Instead of Paraxial Mesoderm Development in the Mouse. <i>Developmental Biology</i> , 1997, 183, 234-242.	0.9	267
77	Monitoring and robust induction of nephrogenic intermediate mesoderm from human pluripotent stem cells. <i>Nature Communications</i> , 2013, 4, 1367.	5.8	266
78	Single-Cell Profiling Reveals Sex, Lineage, and Regional Diversity in the Mouse Kidney. <i>Developmental Cell</i> , 2019, 51, 399-413.e7.	3.1	266
79	Feedback control of mammalian Hedgehog signaling by the Hedgehog-binding protein, Hip1, modulates Fgf signaling during branching morphogenesis of the lung. <i>Genes and Development</i> , 2003, 17, 342-347.	2.7	263
80	Ectodermal Wnt3/beta-catenin signaling is required for the establishment and maintenance of the apical ectodermal ridge. <i>Genes and Development</i> , 2003, 17, 394-409.	2.7	262
81	The Whereabouts of a Morphogen: Direct Evidence for Short- and Graded Long-Range Activity of Hedgehog Signaling Peptides. <i>Developmental Biology</i> , 2001, 236, 364-386.	0.9	260
82	A Novel Somatic Mouse Model to Survey Tumorigenic Potential Applied to the Hedgehog Pathway. <i>Cancer Research</i> , 2006, 66, 10171-10178.	0.4	257
83	Genomic characterization of Gli-activator targets in sonic hedgehog-mediated neural patterning. <i>Development (Cambridge)</i> , 2007, 134, 1977-1989.	1.2	256
84	Overlapping Roles and Collective Requirement for the Coreceptors GAS1, CDO, and BOC in SHH Pathway Function. <i>Developmental Cell</i> , 2011, 20, 775-787.	3.1	255
85	Shh signaling within the dental epithelium is necessary for cell proliferation, growth and polarization. <i>Development (Cambridge)</i> , 2002, 129, 5323-5337.	1.2	252
86	Wnt expression patterns in chick embryo nervous system. <i>Mechanisms of Development</i> , 1995, 52, 9-25.	1.7	249
87	Genome-wide RNA Tomography in the Zebrafish Embryo. <i>Cell</i> , 2014, 159, 662-675.	13.5	248
88	The Hedgehog-binding proteins Gas1 and Cdo cooperate to positively regulate Shh signaling during mouse development. <i>Genes and Development</i> , 2007, 21, 1244-1257.	2.7	244
89	Hedgehog Signaling: From Basic Biology to Cancer Therapy. <i>Cell Chemical Biology</i> , 2017, 24, 252-280.	2.5	242
90	Dorsoventral patterning is established in the telencephalon of mutants lacking both Gli3 and Hedgehog signaling. <i>Development (Cambridge)</i> , 2002, 129, 4963-4974.	1.2	235

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91	A direct requirement for Hedgehog signaling for normal specification of all ventral progenitor domains in the presumptive mammalian spinal cord. <i>Genes and Development</i> , 2002, 16, 2849-2864.	2.7	234
92	Six2 and Wnt Regulate Self-Renewal and Commitment of Nephron Progenitors through Shared Gene Regulatory Networks. <i>Developmental Cell</i> , 2012, 23, 637-651.	3.1	229
93	Indian hedgehog stimulates periarticular chondrocyte differentiation to regulate growth plate length independently of PTHrP. <i>Journal of Clinical Investigation</i> , 2005, 115, 1734-1742.	3.9	227
94	Introduction of cloned DNA into sea urchin egg cytoplasm: Replication and persistence during embryogenesis. <i>Developmental Biology</i> , 1985, 108, 420-430.	0.9	226
95	The GUDMAP database – an online resource for genitourinary research. <i>Development (Cambridge)</i> , 2011, 138, 2845-2853.	1.2	226
96	GUDMAP. <i>Journal of the American Society of Nephrology: JASN</i> , 2008, 19, 667-671.	3.0	225
97	Global Quantification of Tissue Dynamics in the Developing Mouse Kidney. <i>Developmental Cell</i> , 2014, 29, 188-202.	3.1	225
98	Osteoblastic regulation of B lymphopoiesis is mediated by G β -dependent signaling pathways. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 16976-16981.	3.3	222
99	Analysis of early nephron patterning reveals a role for distal RV proliferation in fusion to the ureteric tip via a cap mesenchyme-derived connecting segment. <i>Developmental Biology</i> , 2009, 332, 273-286.	0.9	221
100	Boc and Gas1 Each Form Distinct Shh Receptor Complexes with Ptch1 and Are Required for Shh-Mediated Cell Proliferation. <i>Developmental Cell</i> , 2011, 20, 788-801.	3.1	220
101	Development of the Mammalian Kidney. <i>Current Topics in Developmental Biology</i> , 2016, 117, 31-64.	1.0	218
102	Molecular characterization of the transition from acute to chronic kidney injury following ischemia/reperfusion. <i>JCI Insight</i> , 2017, 2, .	2.3	217
103	Sonic hedgehog regulates proliferation and differentiation of mesenchymal cells in the mouse metanephric kidney. <i>Development (Cambridge)</i> , 2002, 129, 5301-12.	1.2	216
104	Temporal Differences in Granulosa Cell Specification in the Ovary Reflect Distinct Follicle Fates in Mice1. <i>Biology of Reproduction</i> , 2012, 86, 37.	1.2	210
105	Notochord-derived Shh concentrates in close association with the apically positioned basal body in neural target cells and forms a dynamic gradient during neural patterning. <i>Development (Cambridge)</i> , 2008, 135, 1097-1106.	1.2	207
106	A <i>Wnt7b</i> -dependent pathway regulates the orientation of epithelial cell division and establishes the cortico-medullary axis of the mammalian kidney. <i>Development (Cambridge)</i> , 2009, 136, 161-171.	1.2	205
107	More Surprises in the Hedgehog Signaling Pathway. <i>Cell</i> , 2000, 100, 185-188.	13.5	202
108	Identification of a Multipotent Self-Renewing Stromal Progenitor Population during Mammalian Kidney Organogenesis. <i>Stem Cell Reports</i> , 2014, 3, 650-662.	2.3	202

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109	Atlas of Gene Expression in the Developing Kidney at Microanatomic Resolution. <i>Developmental Cell</i> , 2008, 15, 781-791.	3.1	196
110	Growth and pattern of the mammalian neural tube are governed by partially overlapping feedback activities of the hedgehog antagonists patched 1 and Hhip1. <i>Development (Cambridge)</i> , 2005, 132, 143-154.	1.2	195
111	Regulation of skeletogenic differentiation in cranial dermal bone. <i>Development (Cambridge)</i> , 2007, 134, 3133-3144.	1.2	195
112	Cloning, Expression, and Chromosomal Location of SHH and IHH: Two Human Homologues of the <i>Drosophila</i> Segment Polarity Gene Hedgehog. <i>Genomics</i> , 1995, 28, 44-51.	1.3	181
113	A Simple Bioreactor-Based Method to Generate Kidney Organoids from Pluripotent Stem Cells. <i>Stem Cell Reports</i> , 2018, 11, 470-484.	2.3	181
114	Hedgehog signaling is essential for endothelial tube formation during vasculogenesis. <i>Development (Cambridge)</i> , 2004, 131, 4371-4380.	1.2	178
115	A genome-wide RNA interference screen in <i>Drosophila melanogaster</i> cells for new components of the Hh signaling pathway. <i>Nature Genetics</i> , 2005, 37, 1323-1332.	9.4	178
116	Selective translocation of intracellular Smoothened to the primary cilium in response to Hedgehog pathway modulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 2623-2628.	3.3	176
117	Sox9 Activation Highlights a Cellular Pathway of Renal Repair in the Acutely Injured Mammalian Kidney. <i>Cell Reports</i> , 2015, 12, 1325-1338.	2.9	172
118	Cell-specific translational profiling in acute kidney injury. <i>Journal of Clinical Investigation</i> , 2014, 124, 1242-1254.	3.9	172
119	Hedgehog-Gli Pathway Activation during Kidney Fibrosis. <i>American Journal of Pathology</i> , 2012, 180, 1441-1453.	1.9	171
120	FGFR1 is independently required in both developing mid- and hindbrain for sustained response to isthmic signals. <i>EMBO Journal</i> , 2003, 22, 1811-1823.	3.5	168
121	Conserved and Divergent Features of Mesenchymal Progenitor Cell Types within the Cortical Nephrogenic Niche of the Human and Mouse Kidney. <i>Journal of the American Society of Nephrology: JASN</i> , 2018, 29, 806-824.	3.0	168
122	Conserved and Divergent Features of Human and Mouse Kidney Organogenesis. <i>Journal of the American Society of Nephrology: JASN</i> , 2018, 29, 785-805.	3.0	165
123	GDNF Induces Branching and Increased Cell Proliferation in the Ureter of the Mouse. <i>Developmental Biology</i> , 1997, 192, 193-198.	0.9	164
124	High-resolution gene expression analysis of the developing mouse kidney defines novel cellular compartments within the nephron progenitor population. <i>Developmental Biology</i> , 2009, 333, 312-323.	0.9	163
125	Progressive Recruitment of Mesenchymal Progenitors Reveals a Time-Dependent Process of Cell Fate Acquisition in Mouse and Human Nephrogenesis. <i>Developmental Cell</i> , 2018, 45, 651-660.e4.	3.1	163
126	Wnt genes and vertebrate development. <i>Current Opinion in Genetics and Development</i> , 1994, 4, 523-528.	1.5	162

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127	BMP signaling stimulates cellular differentiation at multiple steps during cartilage development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 18023-18027.	3.3	160
128	Neural-specific Sox2 input and differential Gli-binding affinity provide context and positional information in Shh-directed neural patterning. <i>Genes and Development</i> , 2012, 26, 2802-2816.	2.7	158
129	Hedgehog Signaling Is Dispensable for Adult Murine Hematopoietic Stem Cell Function and Hematopoiesis. <i>Cell Stem Cell</i> , 2009, 4, 559-567.	5.2	157
130	Transient expression of the bHLH factor neurogenin-2 marks a subpopulation of neural crest cells biased for a sensory but not a neuronal fate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 8084-8089.	3.3	156
131	Modulation of morphogenesis by noncanonical Wnt signaling requires ATF/CREB family-mediated transcriptional activation of TGF β 2. <i>Nature Genetics</i> , 2007, 39, 1225-1234.	9.4	155
132	Distinct Transcriptional Programs Underlie Sox9 Regulation of the Mammalian Chondrocyte. <i>Cell Reports</i> , 2015, 12, 229-243.	2.9	155
133	Wnt4/ β -Catenin Signaling in Medullary Kidney Myofibroblasts. <i>Journal of the American Society of Nephrology: JASN</i> , 2013, 24, 1399-1412.	3.0	153
134	A sonic hedgehog-dependent signaling relay regulates growth of diencephalic and mesencephalic primordia in the early mouse embryo. <i>Development (Cambridge)</i> , 2002, 129, 4807-4819.	1.2	152
135	Induction of dopaminergic neuron phenotype in the midbrain by Sonic hedgehog protein. <i>Nature Medicine</i> , 1995, 1, 1184-1188.	15.2	149
136	Hedgehog signaling controls mesenchymal growth in the developing mammalian digestive tract. <i>Development (Cambridge)</i> , 2010, 137, 1721-1729.	1.2	149
137	Pax-2 expression in the murine neural plate precedes and encompasses the expression domains of Wnt-1 and En-1. <i>Mechanisms of Development</i> , 1995, 52, 3-8.	1.7	148
138	Apoptosis induced by vitamin A signaling is crucial for connecting the ureters to the bladder. <i>Nature Genetics</i> , 2005, 37, 1082-1089.	9.4	147
139	Wnt7b stimulates embryonic lung growth by coordinately increasing the replication of epithelium and mesenchyme. <i>Development (Cambridge)</i> , 2008, 135, 1625-1634.	1.2	147
140	Dicer regulates the development of nephrogenic and ureteric compartments in the mammalian kidney. <i>Kidney International</i> , 2011, 79, 317-330.	2.6	147
141	Temporal requirement for hedgehog signaling in ventral telencephalic patterning. <i>Development (Cambridge)</i> , 2004, 131, 5031-5040.	1.2	146
142	The Limb Bud Shh-Fgf Feedback Loop Is Terminated by Expansion of Former ZPA Cells. <i>Science</i> , 2004, 305, 396-399.	6.0	143
143	Activation of Expression of Hedgehog Target Genes in Basal Cell Carcinomas. <i>Journal of Investigative Dermatology</i> , 2001, 116, 739-742.	0.3	139
144	β -Catenin is necessary to keep cells of ureteric bud/Wolffian duct epithelium in a precursor state. <i>Developmental Biology</i> , 2008, 314, 112-126.	0.9	138

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145	Wnt7b Regulates Placental Development in Mice. <i>Developmental Biology</i> , 2001, 237, 324-332.	0.9	137
146	Development of normal retinal organization depends on Sonic hedgehog signaling from ganglion cells. <i>Nature Neuroscience</i> , 2002, 5, 831-832.	7.1	127
147	A high-resolution anatomical ontology of the developing murine genitourinary tract. <i>Gene Expression Patterns</i> , 2007, 7, 680-699.	0.3	125
148	Negative Feedback Mechanisms and Their Roles during Pattern Formation. <i>Cell</i> , 1999, 97, 13-16.	13.5	124
149	Retinal ganglion cell-derived sonic hedgehog signaling is required for optic disc and stalk neuroepithelial cell development. <i>Development (Cambridge)</i> , 2003, 130, 2967-2980.	1.2	123
150	Fgf-Dependent Etv4/5 Activity Is Required for Posterior Restriction of Sonic hedgehog and Promoting Outgrowth of the Vertebrate Limb. <i>Developmental Cell</i> , 2009, 16, 600-606.	3.1	123
151	Shifting paradigms in Hedgehog signaling. <i>Current Opinion in Cell Biology</i> , 2007, 19, 159-165.	2.6	114
152	Wnt9b is the mutated gene involved in multifactorial nonsyndromic cleft lip with or without cleft palate in A/WySn mice, as confirmed by a genetic complementation test. <i>Birth Defects Research Part A: Clinical and Molecular Teratology</i> , 2006, 76, 574-579.	1.6	113
153	Differential regulation of mouse and human nephron progenitors by the Six family of transcriptional regulators. <i>Development (Cambridge)</i> , 2016, 143, 595-608.	1.2	113
154	Hedgehog pathway-regulated gene networks in cerebellum development and tumorigenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 9736-9741.	3.3	109
155	The activity of Gli transcription factors is essential for Kras-induced pancreatic tumorigenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E1038-47.	3.3	108
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