Andrew P Mcmahon

List of Publications by Year
in descending order

291 papers	66,871 citations	334 137 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. Genes and Development, 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. Cell, 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. Cell, 1990, 62, 1073-1085.	13.5	1,474
4	Canonical Wnt Signaling in Differentiated Osteoblasts Controls Osteoclast Differentiation. Developmental Cell, 2005, 8, 751-764.	3.1	1,402
5	HedgehogandBmpGenes Are Coexpressed at Many Diverse Sites of Cellâ€"Cell Interaction in the Mouse Embryo. Developmental Biology, 1995, 172, 126-138.	0.9	1,313
6	Fate Tracing Reveals the Pericyte and Not Epithelial Origin of Myofibroblasts in Kidney Fibrosis. American Journal of Pathology, 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. Current Biology, 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. Developmental Biology, 2002, 244, 305-318.	0.9	1,195
9	Female development in mammals is regulated by Wnt-4 signalling. Nature, 1999, 397, 405-409.	13.7	1,115
10	Epithelial transformation of metanephric mesenchyme in the developing kidney regulated by Wnt-4. Nature, 1994, 372, 679-683.	13.7	973
11	Evidence for an Expansion-Based Temporal Shh Gradient in Specifying Vertebrate Digit Identities. Cell, 2004, 118, 517-528.	13.5	893
12	Distinct roles for Hedgehog and canonical Wnt signaling in specification,differentiation and maintenance of osteoblast progenitors. Development (Cambridge), 2006, 133, 3231-3244.	1.2	887
13	Six2 Defines and Regulates a Multipotent Self-Renewing Nephron Progenitor Population throughout Mammalian Kidney Development. Cell Stem Cell, 2008, 3, 169-181.	5.2	815
14	1 Developmental roles and clinical significance of Hedgehog signaling. Current Topics in Developmental Biology, 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. Developmental Cell, 2005, 9, 283-292.	3.1	788
16	Sonic Hedgehogâ€"Regulated Oligodendrocyte Lineage Genes Encoding bHLH Proteins in the Mammalian Central Nervous System. Neuron, 2000, 25, 317-329.	3.8	779
17	Noggin, Cartilage Morphogenesis, and Joint Formation in the Mammalian Skeleton. Science, 1998, 280, 1455-1457.	6.0	768
18	Intrinsic Epithelial Cells Repair the Kidney after Injury. Cell Stem Cell, 2008, 2, 284-291.	5.2	752

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19	Vertebrate Hedgehog signalling modulated by induction of a Hedgehog-binding protein. Nature, 1999, 397, 617-621.	13.7	716
20	Dorsalizing signal Wnt-7a required for normal polarity of Dâ€"V and Aâ€"P axes of mouse limb. Nature, 1995, 374, 350-353.	13.7	698
21	Wnt signalling required for expansion of neural crest and CNS progenitors. Nature, 1997, 389, 966-970.	13.7	655
22	Sonic Hedgehog Is Required for Progenitor Cell Maintenance in Telencephalic Stem Cell Niches. Neuron, 2003, 39, 937-950.	3.8	651
23	Pattern formation in the vertebrate neural tube: a sonic hedgehog morphogen-regulated transcriptional network. Development (Cambridge), 2008, 135, 2489-2503.	1.2	640
24	Sertoli cell signaling by Desert hedgehog regulates the male germline. Current Biology, 1996, 6, 298-304.	1.8	608
25	A mitogen gradient of dorsal midline Wnts organizes growth in the CNS. Development (Cambridge), 2002, 129, 2087-2098.	1.2	600
26	Neural tube, skeletal and body wall defects in mice lacking transcription factor AP-2. Nature, 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. Cell, 1987, 50, 79-88.	13.5	589
28	Sonic hedgehog regulates branching morphogenesis in the mammalian lung. Current Biology, 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. Cell, 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. Cancer Cell, 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. Development (Cambridge), 2001, 128, 5099-5108.	1.2	565
32	Smoothened Mutants Reveal Redundant Roles for Shh and Ihh Signaling Including Regulation of L/R Asymmetry by the Mouse Node. Cell, 2001, 105, 781-792.	13.5	543
33	Canonical Wnt Signaling Regulates Organ-Specific Assembly and Differentiation of CNS Vasculature. Science, 2008, 322, 1247-1250.	6.0	540
34	The world according to bedgebog. Trends in Genetics, 1997, 13, 14-21.	2.9	531
35	Hedgehog signaling in the neural crest cells regulates the patterning and growth of facial primordia. Genes and Development, 2004, 18, 937-951.	2.7	524
36	The dynamics of methylammonium ions in hybrid organicâ€"inorganic perovskite solar cells. Nature Communications, 2015, 6, 7124.	5.8	517

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37	Ectopic expression of the proto-oncogene int-1 in Xenopus embryos leads to duplication of the embryonic axis. Cell, 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. Cell, 2001, 105, 599-612.	13.5	475
39	Neural crest origins of the neck and shoulder. Nature, 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. Nature, 1995, 375, 322-325.	13.7	463
41	Signal relay by BMP antagonism controls the SHH/FGF4 feedback loop in vertebrate limb buds. Nature, 1999, 401, 598-602.	13.7	428
42	Essential function of <i>Wnt-4</i> in mammary gland development downstream of progesterone signaling. Genes and Development, 2000, 14, 650-654.	2.7	416
43	Wnt11andRet/Gdnfpathways cooperate in regulating ureteric branching during metanephric kidney development. Development (Cambridge), 2003, 130, 3175-3185.	1.2	415
44	Efficient gene modulation in mouse epiblast using a Sox2Cre transgenic mouse strain. Mechanisms of Development, 2002, 119, S97-S101.	1.7	398
45	Mouse Brain Organization Revealed Through Direct Genome-Scale TF Expression Analysis. Science, 2004, 306, 2255-2257.	6.0	390
46	WNT7b mediates macrophage-induced programmed cell death in patterning of the vasculature. Nature, 2005, 437, 417-421.	13.7	383
47	BMP and Ihh/PTHrP signaling interact to coordinate chondrocyte proliferation and differentiation. Development (Cambridge), 2001, 128, 4523-4534.	1.2	382
48	Sonic hedgehog regulates proliferation and differentiation of mesenchymal cells in the mouse metanephric kidney. Development (Cambridge), 2002, 129, 5301-5312.	1.2	377
49	Ihh signaling is directly required for the osteoblast lineage in the endochondral skeleton. Development (Cambridge), 2004, 131, 1309-1318.	1.2	372
50	The zebrafish organizer requires chordino. Nature, 1997, 387, 862-863.	13.7	363
51	Noggin is a mesenchymally derived stimulator of hair-follicle induction. Nature Cell Biology, 1999, 1, 158-164.	4.6	360
52	<i>Sonic hedgehog</i>Regulates Proliferation and Inhibits Differentiation of CNS Precursor Cells. Journal of Neuroscience, 1999, 19, 8954-8965.	1.7	357
53	Indian hedgehog couples chondrogenesis to osteogenesis in endochondral bone development. Journal of Clinical Investigation, 2001, 107, 295-304.	3.9	356
54	Macrophage Wnt7b is critical for kidney repair and regeneration. Proceedings of the National Academy of Sciences of the United States of America, 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/Î²-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 PKCÎ´ 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. Nature, 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. Genes and Development, 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. Genes and Development, 2008, 22, 2651-2663.	2.7	269
76	Evidence That Absence ofWnt-3aSignaling Promotes Neuralization Instead of Paraxial Mesoderm Development in the Mouse. Developmental Biology, 1997, 183, 234-242.	0.9	267
77	Monitoring and robust induction of nephrogenic intermediate mesoderm from human pluripotent stem cells. Nature Communications, 2013, 4, 1367.	5.8	266
78	Single-Cell Profiling Reveals Sex, Lineage, and Regional Diversity in the Mouse Kidney. Developmental Cell, 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. Genes and Development, 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. Genes and Development, 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. Developmental Biology, 2001, 236, 364-386.	0.9	260
82	A Novel Somatic Mouse Model to Survey Tumorigenic Potential Applied to the Hedgehog Pathway. Cancer Research, 2006, 66, 10171-10178.	0.4	257
83	Genomic characterization of Gli-activator targets in sonic hedgehog-mediated neural patterning. Development (Cambridge), 2007, 134, 1977-1989.	1.2	256
84	Overlapping Roles and Collective Requirement for the Coreceptors GAS1, CDO, and BOC in SHH Pathway Function. Developmental Cell, 2011, 20, 775-787.	3.1	255
85	Shh signaling within the dental epithelium is necessary for cell proliferation, growth and polarization. Development (Cambridge), 2002, 129, 5323-5337.	1.2	252
86	Wnt expression patterns in chick embryo nervous system. Mechanisms of Development, 1995, 52, 9-25.	1.7	249
87	Genome-wide RNA Tomography in the Zebrafish Embryo. Cell, 2014, 159, 662-675.	13.5	248
88	The Hedgehog-binding proteins Gas1 and Cdo cooperate to positively regulate Shh signaling during mouse development. Genes and Development, 2007, 21, 1244-1257.	2.7	244
89	Hedgehog Signaling: From Basic Biology to Cancer Therapy. Cell Chemical Biology, 2017, 24, 252-280.	2.5	242
90	Dorsoventral patterning is established in the telencephalon of mutants lacking both Gli3 and Hedgehog signaling. Development (Cambridge), 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. Genes and Development, 2002, 16, 2849-2864.	2.7	234
92	Six2 and Wnt Regulate Self-Renewal and Commitment of Nephron Progenitors through Shared Gene Regulatory Networks. Developmental Cell, 2012, 23, 637-651.	3.1	229
93	Indian hedgehog stimulates periarticular chondrocyte differentiation to regulate growth plate length independently of PTHrP. Journal of Clinical Investigation, 2005, 115, 1734-1742.	3.9	227
94	Introduction of cloned DNA into sea urchin egg cytoplasm: Replication and persistence during embryogenesis. Developmental Biology, 1985, 108, 420-430.	0.9	226
95	The GUDMAP database â€“ an online resource for genitourinary research. Development (Cambridge), 2011, 138, 2845-2853.	1.2	226
96	GUDMAP. Journal of the American Society of Nephrology: JASN, 2008, 19, 667-671.	3.0	225
97	Global Quantification of Tissue Dynamics in the Developing Mouse Kidney. Developmental Cell, 2014, 29, 188-202.	3.1	225
98	Osteoblastic regulation of B lymphopoiesis is mediated by G _s Î±-dependent signaling pathways. Proceedings of the National Academy of Sciences of the United States of America, 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. Developmental Biology, 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. Developmental Cell, 2011, 20, 788-801.	3.1	220
101	Development of the Mammalian Kidney. Current Topics in Developmental Biology, 2016, 117, 31-64.	1.0	218
102	Molecular characterization of the transition from acute to chronic kidney injury following ischemia/reperfusion. JCI Insight, 2017, 2, .	2.3	217
103	Sonic hedgehog regulates proliferation and differentiation of mesenchymal cells in the mouse metanephric kidney. Development (Cambridge), 2002, 129, 5301-12.	1.2	216
104	Temporal Differences in Granulosa Cell Specification in the Ovary Reflect Distinct Follicle Fates in Mice1. Biology of Reproduction, 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. Development (Cambridge), 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. Development (Cambridge), 2009, 136, 161-171.	1.2	205
107	More Surprises in the Hedgehog Signaling Pathway. Cell, 2000, 100, 185-188.	13.5	202
108	Identification of a Multipotent Self-Renewing Stromal Progenitor Population during Mammalian Kidney Organogenesis. Stem Cell Reports, 2014, 3, 650-662.	2.3	202

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109	Atlas of Gene Expression in the Developing Kidney at Microanatomic Resolution. Developmental Cell, 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. Development (Cambridge), 2005, 132, 143-154.	1.2	195
111	Regulation of skeletogenic differentiation in cranial dermal bone. Development (Cambridge), 2007, 134, 3133-3144.	1.2	195
112	Cloning, Expression, and Chromosomal Location of SHH and IHH: Two Human Homologues of the Drosophila Segment Polarity Gene Hedgehog. Genomics, 1995, 28, 44-51.	1.3	181
113	A Simple Bioreactor-Based Method to Generate Kidney Organoids fromÂPluripotent Stem Cells. Stem Cell Reports, 2018, 11, 470-484.	2.3	181
114	Hedgehog signaling is essential for endothelial tube formation during vasculogenesis. Development (Cambridge), 2004, 131, 4371-4380.	1.2	178
115	A genome-wide RNA interference screen in Drosophila melanogaster cells for new components of the Hh signaling pathway. Nature Genetics, 2005, 37, 1323-1332.	9.4	178
116	Selective translocation of intracellular Smoothened to the primary cilium in response to Hedgehog pathway modulation. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 2623-2628.	3.3	176
117	Sox9 Activation Highlights a Cellular Pathway of Renal Repair in the Acutely Injured Mammalian Kidney. Cell Reports, 2015, 12, 1325-1338.	2.9	172
118	Cell-specific translational profiling in acute kidney injury. Journal of Clinical Investigation, 2014, 124, 1242-1254.	3.9	172
119	Hedgehog-Gli Pathway Activation during Kidney Fibrosis. American Journal of Pathology, 2012, 180, 1441-1453.	1.9	171
120	FGFR1 is independently required in both developing mid- and hindbrain for sustained response to isthmic signals. EMBO Journal, 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. Journal of the American Society of Nephrology: JASN, 2018, 29, 806-824.	3.0	168
122	Conserved and Divergent Features of Human and Mouse Kidney Organogenesis. Journal of the American Society of Nephrology: JASN, 2018, 29, 785-805.	3.0	165
123	GDNF Induces Branching and Increased Cell Proliferation in the Ureter of the Mouse. Developmental Biology, 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. Developmental Biology, 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. Developmental Cell, 2018, 45, 651-660.e4.	3.1	163
126	Wnt genes and vertebrate development. Current Opinion in Genetics and Development, 1994, 4, 523-528.	1.5	162

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127	BMP signaling stimulates cellular differentiation at multiple steps during cartilage development. Proceedings of the National Academy of Sciences of the United States of America, 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. Genes and Development, 2012, 26, 2802-2816.	2.7	158
129	Hedgehog Signaling Is Dispensable for Adult Murine Hematopoietic Stem Cell Function and Hematopoiesis. Cell Stem Cell, 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. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 8084-8089.	3.3	156
131	Modulation of morphogenesis by noncanonical Wnt signaling requires ATF/CREB familyâ€“mediated transcriptional activation of TGFÎ²2. Nature Genetics, 2007, 39, 1225-1234.	9.4	155
132	Distinct Transcriptional Programs Underlie Sox9 Regulation of the Mammalian Chondrocyte. Cell Reports, 2015, 12, 229-243.	2.9	155
133	Wnt4/Î²â€Catenin Signaling in Medullary Kidney Myofibroblasts. Journal of the American Society of Nephrology: JASN, 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. Development (Cambridge), 2002, 129, 4807-4819.	1.2	152
135	Induction of dopaminergic neuron phenotype in the midbrain by Sonic hedgehog protein. Nature Medicine, 1995, 1, 1184-1188.	15.2	149
136	Hedgehog signaling controls mesenchymal growth in the developing mammalian digestive tract. Development (Cambridge), 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. Mechanisms of Development, 1995, 52, 3-8.	1.7	148
138	Apoptosis induced by vitamin A signaling is crucial for connecting the ureters to the bladder. Nature Genetics, 2005, 37, 1082-1089.	9.4	147
139	Wnt7b stimulates embryonic lung growth by coordinately increasing the replication of epithelium and mesenchyme. Development (Cambridge), 2008, 135, 1625-1634.	1.2	147
140	Dicer regulates the development of nephrogenic and ureteric compartments in the mammalian kidney. Kidney International, 2011, 79, 317-330.	2.6	147
141	Temporal requirement for hedgehog signaling in ventral telencephalic patterning. Development (Cambridge), 2004, 131, 5031-5040.	1.2	146
142	The Limb Bud Shh-Fgf Feedback Loop Is Terminated by Expansion of Former ZPA Cells. Science, 2004, 305, 396-399.	6.0	143
143	Activation of Expression of Hedgehog Target Genes in Basal Cell Carcinomas. Journal of Investigative Dermatology, 2001, 116, 739-742.	0.3	139
144	Î²-Catenin is necessary to keep cells of ureteric bud/Wolffian duct epithelium in a precursor state. Developmental Biology, 2008, 314, 112-126.	0.9	138

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145	Wnt7b Regulates Placental Development in Mice. Developmental Biology, 2001, 237, 324-332.	0.9	137
146	Development of normal retinal organization depends on Sonic hedgehog signaling from ganglion cells. Nature Neuroscience, 2002, 5, 831-832.	7.1	127
147	A high-resolution anatomical ontology of the developing murine genitourinary tract. Gene Expression Patterns, 2007, 7, 680-699.	0.3	125
148	Negative Feedback Mechanisms and Their Roles during Pattern Formation. Cell, 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. Development (Cambridge), 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. Developmental Cell, 2009, 16, 600-606.	3.1	123
151	Shifting paradigms in Hedgehog signaling. Current Opinion in Cell Biology, 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. Birth Defects Research Part A: Clinical and Molecular Teratology, 2006, 76, 574-579.	1.6	113
153	Differential regulation of mouse and human nephron progenitors by the Six family of transcriptional regulators. Development (Cambridge), 2016, 143, 595-608.	1.2	113
154	Hedgehog pathway-regulated gene networks in cerebellum development and tumorigenesis. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 9736-9741.	3.3	109
155	The activity of Gli transcription factors is essential for Kras-induced pancreatic tumorigenesis. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E1038-47.	3.3	108
156	Conserved and Divergent Molecular and Anatomic Features of Human and Mouse Nephron Patterning. Journal of the American Society of Nephrology: JASN, 2018, 29, 825-840.	3.0	107
157	Attenuated sensing of SHH by Ptch1 underlies evolution of bovine limbs. Nature, 2014, 511, 46-51.	13.7	106
158	Single-nuclear transcriptomics reveals diversity of proximal tubule cell states in a dynamic response to acute kidney injury. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	106
159	Wnt-1 and Wnt-4 regulate thymic cellularity. European Journal of Immunology, 2002, 32, 967-971.	1.6	105
160	Combined activities of hedgehog signaling inhibitors regulate pancreas development. Development (Cambridge), 2003, 130, 4871-4879.	1.2	105
161	Maternal inheritance of Cre activity in aSox2Cre deleter strain. Genesis, 2003, 37, 51-53.	0.8	102
162	Analysis of Neural Crest Cell Migration in Splotch Mice Using a Neural Crest-Specific LacZ Reporter. Developmental Biology, 1997, 185, 139-147.	0.9	100

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163	Sp7/Osterix Is Restricted to Bone-Forming Vertebrates where It Acts as a Dlx Co-factor in Osteoblast Specification. Developmental Cell, 2016, 37, 238-253.	3.1	99
164	Persistence and integration of cloned DNA in postembryonic sea urchins. Developmental Biology, 1985, 108, 431-442.	0.9	97
165	Multi-omics integration in the age of million single-cell data. Nature Reviews Nephrology, 2021, 17, 710-724.	4.1	97
166	Dorsoventral patterning is established in the telencephalon of mutants lacking both Gli3 and Hedgehog signaling. Development (Cambridge), 2002, 129, 4963-74.	1.2	96
167	Branching morphogenesis of the lung: new molecular insights into an old problem. Trends in Cell Biology, 2003, 13, 86-91.	3.6	94
168	Influence of water intercalation and hydration on chemical decomposition and ion transport in methylammonium lead halide perovskites. Journal of Materials Chemistry A, 2018, 6, 1067-1074.	5.2	94
169	Recent genetic studies of mouse kidney development. Current Opinion in Genetics and Development, 2004, 14, 550-557.	1.5	93
170	Motor Neurons with Axial Muscle Projections Specified by Wnt4/5 Signaling. Neuron, 2009, 61, 708-720.	3.8	93
171	Abnormal Hair Development and Apparent Follicular Transformation to Mammary Gland in the Absence of Hedgehog Signaling. Developmental Cell, 2007, 12, 99-112.	3.1	92
172	Six3 promotes the formation of ectopic optic vesicle-like structures in mouse embryos. Developmental Dynamics, 2001, 221, 342-349.	0.8	89
173	Gene Regulatory Networks Mediating Canonical Wnt Signal-Directed Control of Pluripotency and Differentiation in Embryo Stem Cells. Stem Cells, 2013, 31, 2667-2679.	1.4	89
174	Fate-mapping of the epithelial seam during palatal fusion rules out epithelialâ€“mesenchymal transformation. Developmental Biology, 2005, 285, 490-495.	0.9	88
175	Hoxd11 specifies a program of metanephric kidney development within the intermediate mesoderm of the mouse embryo. Developmental Biology, 2008, 319, 396-405.	0.9	86
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