

Andrew P McMahon

List of Publications by Year in Descending Order

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

289
papers

56,963
citations

128
h-index

237
g-index

306
ext. papers

62,255
ext. citations

13
avg, IF

7.65
L-index

#	Paper	IF	Citations
289	Repairing the blood-brain barrier.. <i>Science</i> , 2022 , 375, 715-716	33.3	1
288	Proteomics of protein trafficking by in vivo tissue-specific labeling. <i>Nature Communications</i> , 2021 , 12, 2382	17.4	13
287	Generation of patterned kidney organoids that recapitulate the adult kidney collecting duct system from expandable ureteric bud progenitors. <i>Nature Communications</i> , 2021 , 12, 3641	17.4	12
286	Single-nuclear transcriptomics reveals diversity of proximal tubule cell states in a dynamic response to acute kidney injury. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	11
285	A Eatenin-driven switch in TCF/LEF transcription factor binding to DNA target sites promotes commitment of mammalian nephron progenitor cells. <i>ELife</i> , 2021 , 10,	8.9	9
284	Multi-omics integration in the age of million single-cell data. <i>Nature Reviews Nephrology</i> , 2021 , 17, 710-724.	14.9	11
283	Spatial transcriptional mapping of the human nephrogenic program. <i>Developmental Cell</i> , 2021 , 56, 2381-2398.e6	23.9	6
282	Mutational analysis of genes with ureteric progenitor cell-specific expression in branching morphogenesis of the mouse kidney. <i>Developmental Dynamics</i> , 2020 , 249, 765-774	2.9	2
281	Genetic manipulation of ureteric bud tip progenitors in the mammalian kidney through an Adamts18 enhancer driven tet-on inducible system. <i>Developmental Biology</i> , 2020 , 458, 164-176	3.1	0
280	Altered proximal tubular cell glucose metabolism during acute kidney injury is associated with mortality. <i>Nature Metabolism</i> , 2020 , 2, 732-743	14.6	26
279	A novel distal convoluted tubule-specific Cre-recombinase driven by the NaCl cotransporter gene. <i>American Journal of Physiology - Renal Physiology</i> , 2020 , 319, F423-F435	4.3	4
278	Renoprotective and Immunomodulatory Effects of GDF15 following AKI Invoked by Ischemia-Reperfusion Injury. <i>Journal of the American Society of Nephrology: JASN</i> , 2020 , 31, 701-715	12.7	22
277	Morphogenesis of the kidney and lung requires branch-tip directed activity of the Adamts18 metalloprotease. <i>Developmental Biology</i> , 2019 , 454, 156-169	3.1	19
276	A late B lymphocyte action in dysfunctional tissue repair following kidney injury and transplantation. <i>Nature Communications</i> , 2019 , 10, 1157	17.4	34
275	InVivo Developmental Trajectories of Human Podocyte Inform InVitro Differentiation of Pluripotent Stem Cell-Derived Podocytes. <i>Developmental Cell</i> , 2019 , 50, 102-116.e6	10.2	28
274	Cellular Recruitment by Podocyte-Derived Pro-migratory Factors in Assembly of the Human Renal Filter. <i>IScience</i> , 2019 , 20, 402-414	6.1	6
273	Single-Cell Profiling Reveals Sex, Lineage, and Regional Diversity in the Mouse Kidney. <i>Developmental Cell</i> , 2019 , 51, 399-413.e7	10.2	125

272	Image-based modeling of kidney branching morphogenesis reveals GDNF-RET based Turing-type mechanism and pattern-modulating WNT11 feedback. <i>Nature Communications</i> , 2019 , 10, 239	17.4	44
271	Single-Cell RNA Sequencing of the Adult Mouse Kidney: From Molecular Cataloging of Cell Types to Disease-Associated Predictions. <i>American Journal of Kidney Diseases</i> , 2019 , 73, 140-142	7.4	6
270	Conserved and Divergent Features of Human and Mouse Kidney Organogenesis. <i>Journal of the American Society of Nephrology: JASN</i> , 2018 , 29, 785-805	12.7	118
269	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	12.7	113
268	Conserved and Divergent Molecular and Anatomic Features of Human and Mouse Nephron Patterning. <i>Journal of the American Society of Nephrology: JASN</i> , 2018 , 29, 825-840	12.7	69
267	Disparate levels of beta-catenin activity determine nephron progenitor cell fate. <i>Developmental Biology</i> , 2018 , 440, 13-21	3.1	19
266	A Simple Bioreactor-Based Method to Generate Kidney Organoids from Pluripotent Stem Cells. <i>Stem Cell Reports</i> , 2018 , 11, 470-484	8	102
265	Gli3 controls the onset of cortical neurogenesis by regulating the radial glial cell cycle through expression. <i>Development (Cambridge)</i> , 2018 , 145,	6.6	18
264	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	10.2	104
263	Transcriptional regulatory control of mammalian nephron progenitors revealed by multi-factor cistromic analysis and genetic studies. <i>PLoS Genetics</i> , 2018 , 14, e1007181	6	22
262	Transcriptional trajectories of human kidney injury progression. <i>JCI Insight</i> , 2018 , 3,	9.9	37
261	Wnt11 directs nephron progenitor polarity and motile behavior ultimately determining nephron endowment. <i>ELife</i> , 2018 , 7,	8.9	27
260	Influence of water intercalation and hydration on chemical decomposition and ion transport in methylammonium lead halide perovskites. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 1067-1074	13	64
259	Synergistic co-regulation and competition by a SOX9-GLI-FOXA phasic transcriptional network coordinate chondrocyte differentiation transitions. <i>PLoS Genetics</i> , 2018 , 14, e1007346	6	37
258	(Re)Building a Kidney. <i>Journal of the American Society of Nephrology: JASN</i> , 2017 , 28, 1370-1378	12.7	42
257	Hedgehog Signaling: From Basic Biology to Cancer Therapy. <i>Cell Chemical Biology</i> , 2017 , 24, 252-280	8.2	186
256	Sox9 positive periosteal cells in fracture repair of the adult mammalian long bone. <i>Bone</i> , 2017 , 103, 12-19	12.7	26
255	Repression of Interstitial Identity in Nephron Progenitor Cells by Pax2 Establishes the Nephron-Interstitial Boundary during Kidney Development. <i>Developmental Cell</i> , 2017 , 41, 349-365.e3	10.2	38

254	A Wnt5 Activity Asymmetry and Intercellular Signaling via PCP Proteins Polarize Node Cells for Left-Right Symmetry Breaking. <i>Developmental Cell</i> , 2017 , 40, 439-452.e4	10.2	50
253	An immunohistochemical identification key for cell types in adult mouse prostatic and urethral tissue sections. <i>PLoS ONE</i> , 2017 , 12, e0188413	3.7	7
252	Cellular heterogeneity in the ureteric progenitor niche and distinct profiles of branching morphogenesis in organ development. <i>Development (Cambridge)</i> , 2017 , 144, 3177-3188	6.6	26
251	Molecular characterization of the transition from acute to chronic kidney injury following ischemia/reperfusion. <i>JCI Insight</i> , 2017 , 2,	9.9	117
250	AP-1 family members act with Sox9 to promote chondrocyte hypertrophy. <i>Development (Cambridge)</i> , 2016 , 143, 3012-23	6.6	29
249	Development of the Mammalian Kidney. <i>Current Topics in Developmental Biology</i> , 2016 , 117, 31-64	5.3	134
248	An Emerging Regulatory Landscape for Skeletal Development. <i>Trends in Genetics</i> , 2016 , 32, 774-787	8.5	11
247	Hedgehog-driven myogenic tumors recapitulate skeletal muscle cellular heterogeneity. <i>Experimental Cell Research</i> , 2016 , 340, 43-52	4.2	1
246	Differential regulation of mouse and human nephron progenitors by the Six family of transcriptional regulators. <i>Development (Cambridge)</i> , 2016 , 143, 595-608	6.6	82
245	An ancient yet flexible cis-regulatory architecture allows localized Hedgehog tuning by patched/Ptch1. <i>ELife</i> , 2016 , 5,	8.9	28
244	Stem cells for all ages, yet hostage to aging. <i>Stem Cell Investigation</i> , 2016 , 3, 11	5.1	
243	Transcriptional Regulation of the Nephrogenic Mesenchyme and Its Progeny 2016 , 67-74		1
242	Sp7/Osterix Is Restricted to Bone-Forming Vertebrates where It Acts as a Dlx Co-factor in Osteoblast Specification. <i>Developmental Cell</i> , 2016 , 37, 238-53	10.2	69
241	A direct fate exclusion mechanism by Sonic hedgehog-regulated transcriptional repressors. <i>Development (Cambridge)</i> , 2015 , 142, 3286-93	6.6	27
240	Distinct Transcriptional Programs Underlie Sox9 Regulation of the Mammalian Chondrocyte. <i>Cell Reports</i> , 2015 , 12, 229-43	10.6	113
239	Iroquois Proteins Promote Skeletal Joint Formation by Maintaining Chondrocytes in an Immature State. <i>Developmental Cell</i> , 2015 , 35, 358-65	10.2	27
238	Sox9 Activation Highlights a Cellular Pathway of Renal Repair in the Acutely Injured Mammalian Kidney. <i>Cell Reports</i> , 2015 , 12, 1325-38	10.6	103
237	The dynamics of methylammonium ions in hybrid organic-inorganic perovskite solar cells. <i>Nature Communications</i> , 2015 , 6, 7124	17.4	446

236	Collecting duct-derived cells display mesenchymal stem cell properties and retain selective in vitro and in vivo epithelial capacity. <i>Journal of the American Society of Nephrology: JASN</i> , 2015 , 26, 81-94	12.7	28
235	Genome-wide RNA Tomography in the zebrafish embryo. <i>Cell</i> , 2014 , 159, 662-75	56.2	174
234	Stk11 (Lkb1) deletion in the osteoblast lineage leads to high bone turnover, increased trabecular bone density and cortical porosity. <i>Bone</i> , 2014 , 69, 98-108	4.7	12
233	Induction and patterning of the metanephric nephron. <i>Seminars in Cell and Developmental Biology</i> , 2014 , 36, 31-8	7.5	47
232	Defining the acute kidney injury and repair transcriptome. <i>Seminars in Nephrology</i> , 2014 , 34, 404-17	4.8	35
231	Attenuated sensing of SHH by Ptch1 underlies evolution of bovine limbs. <i>Nature</i> , 2014 , 511, 46-51	50.4	78
230	Identification of a multipotent self-renewing stromal progenitor population during mammalian kidney organogenesis. <i>Stem Cell Reports</i> , 2014 , 3, 650-62	8	150
229	Global quantification of tissue dynamics in the developing mouse kidney. <i>Developmental Cell</i> , 2014 , 29, 188-202	10.2	179
228	Translational profiles of medullary myofibroblasts during kidney fibrosis. <i>Journal of the American Society of Nephrology: JASN</i> , 2014 , 25, 1979-90	12.7	52
227	Foxf genes integrate tbx5 and hedgehog pathways in the second heart field for cardiac septation. <i>PLoS Genetics</i> , 2014 , 10, e1004604	6	66
226	A predictive model of bifunctional transcription factor signaling during embryonic tissue patterning. <i>Developmental Cell</i> , 2014 , 31, 448-60	10.2	23
225	Cell-specific translational profiling in acute kidney injury. <i>Journal of Clinical Investigation</i> , 2014 , 124, 1242-54	5.9	115
224	Progenitor programming in mammalian nephrogenesis. <i>Nephrology</i> , 2013 , 18, 177-9	2.2	6
223	Monitoring and robust induction of nephrogenic intermediate mesoderm from human pluripotent stem cells. <i>Nature Communications</i> , 2013 , 4, 1367	17.4	229
222	Gene regulatory networks mediating canonical Wnt signal-directed control of pluripotency and differentiation in embryo stem cells. <i>Stem Cells</i> , 2013 , 31, 2667-79	5.8	75
221	Filopodia: the cellular quills of hedgehog signaling?. <i>Developmental Cell</i> , 2013 , 25, 328-30	10.2	7
220	Wnt4/Ectenin signaling in medullary kidney myofibroblasts. <i>Journal of the American Society of Nephrology: JASN</i> , 2013 , 24, 1399-412	12.7	123
219	Essential role for ligand-dependent feedback antagonism of vertebrate hedgehog signaling by PTCH1, PTCH2 and HHIP1 during neural patterning. <i>Development (Cambridge)</i> , 2013 , 140, 3423-34	6.6	51

218	Lkb1/Stk11 regulation of mTOR signaling controls the transition of chondrocyte fates and suppresses skeletal tumor formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 19450-5	11.5	30
217	Mutations in Hedgehog pathway genes in fetal rhabdomyomas. <i>Journal of Pathology</i> , 2013 , 231, 44-52	9.4	24
216	Chronic epithelial kidney injury molecule-1 expression causes murine kidney fibrosis. <i>Journal of Clinical Investigation</i> , 2013 , 123, 4023-35	15.9	207
215	Signaling by SHH rescues facial defects following blockade in the brain. <i>Developmental Dynamics</i> , 2012 , 241, 247-56	2.9	39
214	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, 2802-16	12.6	124
213	Glucocorticoid compounds modify smoothed localization and hedgehog pathway activity. <i>Chemistry and Biology</i> , 2012 , 19, 972-82		54
212	Selective identification of hedgehog pathway antagonists by direct analysis of smoothed ciliary translocation. <i>ACS Chemical Biology</i> , 2012 , 7, 1040-8	4.9	37
211	Hedgehog-Gli pathway activation during kidney fibrosis. <i>American Journal of Pathology</i> , 2012 , 180, 1441-58		145
210	Six2 and Wnt regulate self-renewal and commitment of nephron progenitors through shared gene regulatory networks. <i>Developmental Cell</i> , 2012 , 23, 637-51	10.2	178
209	Invasion of distal nephron precursors associates with tubular interconnection during nephrogenesis. <i>Journal of the American Society of Nephrology: JASN</i> , 2012 , 23, 1682-90	12.7	42
208	Germ cells are not required to establish the female pathway in mouse fetal gonads. <i>PLoS ONE</i> , 2012 , 7, e47238	3.7	33
207	A genome-wide screen to identify transcription factors expressed in pelvic Ganglia of the lower urinary tract. <i>Frontiers in Neuroscience</i> , 2012 , 6, 130	5.1	15
206	Temporal differences in granulosa cell specification in the ovary reflect distinct follicle fates in mice. <i>Biology of Reproduction</i> , 2012 , 86, 37	3.9	178
205	An embryonic stem cell-based system for rapid analysis of transcriptional enhancers. <i>Genesis</i> , 2012 , 50, 443-50	1.9	5
204	Identification of molecular compartments and genetic circuitry in the developing mammalian kidney. <i>Development (Cambridge)</i> , 2012 , 139, 1863-73	6.6	47
203	Mammalian kidney development: principles, progress, and projections. <i>Cold Spring Harbor Perspectives in Biology</i> , 2012 , 4,	10.2	285
202	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	11.5	95
201	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	10.2	175

200	Overlapping roles and collective requirement for the coreceptors GAS1, CDO, and BOC in SHH pathway function. <i>Developmental Cell</i> , 2011 , 20, 775-87	10.2	205
199	The GUDMAP database--an online resource for genitourinary research. <i>Development (Cambridge)</i> , 2011 , 138, 2845-53	6.6	190
198	Notch pathway activation can replace the requirement for Wnt4 and Wnt9b in mesenchymal-to-epithelial transition of nephron stem cells. <i>Development (Cambridge)</i> , 2011 , 138, 4245-54	6.6	66
197	Dicer regulates the development of nephrogenic and ureteric compartments in the mammalian kidney. <i>Kidney International</i> , 2011 , 79, 317-30	9.9	125
196	Hedgehog signaling controls mesenchymal growth in the developing mammalian digestive tract. <i>Development (Cambridge)</i> , 2010 , 137, 1721-9	6.6	129
195	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, 312-26	12.6	219
194	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, 9736-41	11.5	95
193	Macrophage Wnt7b is critical for kidney repair and regeneration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 4194-9	11.5	307
192	Fate tracing reveals the pericyte and not epithelial origin of myofibroblasts in kidney fibrosis. <i>American Journal of Pathology</i> , 2010 , 176, 85-97	5.8	1072
191	A low resistance microfluidic system for the creation of stable concentration gradients in a defined 3D microenvironment. <i>Biomedical Microdevices</i> , 2010 , 12, 1027-41	3.7	31
190	Selective translocation of intracellular Smoothed 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, 2623-8	11.5	160
189	Using mechanistic Bayesian networks to identify downstream targets of the sonic hedgehog pathway. <i>BMC Bioinformatics</i> , 2009 , 10, 433	3.6	8
188	An Hh-dependent pathway in lateral plate mesoderm enables the generation of left/right asymmetry. <i>Current Biology</i> , 2009 , 19, 1912-7	6.3	40
187	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, 600-6	10.2	103
186	Modeling the spatio-temporal network that drives patterning in the vertebrate central nervous system. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2009 , 1789, 299-305	6	13
185	Hedgehog signaling is dispensable for adult murine hematopoietic stem cell function and hematopoiesis. <i>Cell Stem Cell</i> , 2009 , 4, 559-67	18	136
184	Motor neurons with axial muscle projections specified by Wnt4/5 signaling. <i>Neuron</i> , 2009 , 61, 708-20	13.9	76
183	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, 273-85	3.1	196

182	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, 312-23	3.1	138
181	A Wnt7b-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, 161-71	6.6	174
180	Transcriptional profiling of Wnt4 mutant mouse kidneys identifies genes expressed during nephron formation. <i>Gene Expression Patterns</i> , 2008 , 8, 297-306	1.5	21
179	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, 123-34	24.3	482
178	Canonical Wnt signaling regulates organ-specific assembly and differentiation of CNS vasculature. <i>Science</i> , 2008 , 322, 1247-50	33.3	441
177	Beta-catenin is necessary to keep cells of ureteric bud/Wolffian duct epithelium in a precursor state. <i>Developmental Biology</i> , 2008 , 314, 112-26	3.1	131
176	Disp1 regulates growth of mammalian long bones through the control of Ihh distribution. <i>Developmental Biology</i> , 2008 , 317, 480-5	3.1	11
175	Hoxd11 specifies a program of metanephric kidney development within the intermediate mesoderm of the mouse embryo. <i>Developmental Biology</i> , 2008 , 319, 396-405	3.1	71
174	Indian hedgehog signaling from endothelial cells is required for sclera and retinal pigment epithelium development in the mouse eye. <i>Developmental Biology</i> , 2008 , 320, 242-55	3.1	42
173	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. <i>Developmental Biology</i> , 2008 , 324, 88-98	3.1	240
172	Intrinsic epithelial cells repair the kidney after injury. <i>Cell Stem Cell</i> , 2008 , 2, 284-91	18	651
171	Six2 defines and regulates a multipotent self-renewing nephron progenitor population throughout mammalian kidney development. <i>Cell Stem Cell</i> , 2008 , 3, 169-81	18	692
170	Atlas of gene expression in the developing kidney at microanatomic resolution. <i>Developmental Cell</i> , 2008 , 15, 781-91	10.2	184
169	An eight residue fragment of an acyl carrier protein suffices for post-translational introduction of fluorescent pantetheinyl arms in protein modification in vitro and in vivo. <i>Journal of the American Chemical Society</i> , 2008 , 130, 9925-30	16.4	46
168	Pattern formation in the vertebrate neural tube: a sonic hedgehog morphogen-regulated transcriptional network. <i>Development (Cambridge)</i> , 2008 , 135, 2489-503	6.6	521
167	Developmental biology. Grasping limb patterning. <i>Science</i> , 2008 , 321, 350-2	33.3	22
166	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, 1097-106	6.6	173
165	GUDMAP: the genitourinary developmental molecular anatomy project. <i>Journal of the American Society of Nephrology: JASN</i> , 2008 , 19, 667-71	12.7	197

164	In vivo targeted deletion of calpain small subunit, Capn4, in cells of the osteoblast lineage impairs cell proliferation, differentiation, and bone formation. <i>Journal of Biological Chemistry</i> , 2008 , 283, 21002-10	5.4	35
163	Osteoblastic regulation of B lymphopoiesis is mediated by Gs{alpha}-dependent signaling pathways. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 16976-81	11.5	202
162	Wnt7b stimulates embryonic lung growth by coordinately increasing the replication of epithelium and mesenchyme. <i>Development (Cambridge)</i> , 2008 , 135, 1625-34	6.6	124
161	Conditional mouse osteosarcoma, dependent on p53 loss and potentiated by loss of Rb, mimics the human disease. <i>Genes and Development</i> , 2008 , 22, 1662-76	12.6	262
160	A genome-scale analysis of the cis-regulatory circuitry underlying sonic hedgehog-mediated patterning of the mammalian limb. <i>Genes and Development</i> , 2008 , 22, 2651-63	12.6	236
159	Dicer-dependent pathways regulate chondrocyte proliferation and differentiation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 1949-54	11.5	289
158	Wnt/beta-catenin signaling regulates nephron induction during mouse kidney development. <i>Development (Cambridge)</i> , 2007 , 134, 2533-9	6.6	261
157	Modulation of morphogenesis by noncanonical Wnt signaling requires ATF/CREB family-mediated transcriptional activation of TGFbeta2. <i>Nature Genetics</i> , 2007 , 39, 1225-34	36.3	142
156	Shifting paradigms in Hedgehog signaling. <i>Current Opinion in Cell Biology</i> , 2007 , 19, 159-65	9	100
155	A high-resolution anatomical ontology of the developing murine genitourinary tract. <i>Gene Expression Patterns</i> , 2007 , 7, 680-99	1.5	114
154	The cdx genes and retinoic acid control the positioning and segmentation of the zebrafish pronephros. <i>PLoS Genetics</i> , 2007 , 3, 1922-38	6	240
153	Regulation of skeletogenic differentiation in cranial dermal bone. <i>Development (Cambridge)</i> , 2007 , 134, 3133-44	6.6	166
152	The Hedgehog-binding proteins Gas1 and Cdo cooperate to positively regulate Shh signaling during mouse development. <i>Genes and Development</i> , 2007 , 21, 1244-57	12.6	197
151	Independent functions and mechanisms for homeobox gene Barx1 in patterning mouse stomach and spleen. <i>Development (Cambridge)</i> , 2007 , 134, 3603-13	6.6	51
150	Genomic characterization of Gli-activator targets in sonic hedgehog-mediated neural patterning. <i>Development (Cambridge)</i> , 2007 , 134, 1977-89	6.6	219
149	Notch2, but not Notch1, is required for proximal fate acquisition in the mammalian nephron. <i>Development (Cambridge)</i> , 2007 , 134, 801-11	6.6	281
148	Wnt3 signaling in the epiblast is required for proper orientation of the anteroposterior axis. <i>Developmental Biology</i> , 2007 , 312, 312-20	3.1	65
147	Noncanonical Wnt signaling through G protein-linked PKCdelta activation promotes bone formation. <i>Developmental Cell</i> , 2007 , 12, 113-27	10.2	249

146	Abnormal hair development and apparent follicular transformation to mammary gland in the absence of hedgehog signaling. <i>Developmental Cell</i> , 2007 , 12, 99-112	10.2	75
145	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, 574-9		102
144	Reproducible and inducible knockdown of gene expression in mice. <i>Genesis</i> , 2006 , 44, 252-61	1.9	54
143	A novel somatic mouse model to survey tumorigenic potential applied to the Hedgehog pathway. <i>Cancer Research</i> , 2006 , 66, 10171-8	10.1	223
142	Distinct roles for Hedgehog and canonical Wnt signaling in specification, differentiation and maintenance of osteoblast progenitors. <i>Development (Cambridge)</i> , 2006 , 133, 3231-44	6.6	751
141	Control of transcription factor activity and osteoblast differentiation in mammalian cells using an evolved small-molecule-dependent intein. <i>Journal of the American Chemical Society</i> , 2006 , 128, 8939-46	16.4	42
140	The cell surface membrane proteins Cdo and Boc are components and targets of the Hedgehog signaling pathway and feedback network in mice. <i>Developmental Cell</i> , 2006 , 10, 647-56	10.2	298
139	Independent regulation of skeletal growth by Ihh and IGF signaling. <i>Developmental Biology</i> , 2006 , 298, 327-33	3.1	28
138	An ES cell system for rapid, spatial and temporal analysis of gene function in vitro and in vivo. <i>Nucleic Acids Research</i> , 2005 , 33, e155	20.1	37
137	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, 143-54	6.6	165
136	Sprouty1 is a critical regulator of GDNF/RET-mediated kidney induction. <i>Developmental Cell</i> , 2005 , 8, 229-39	10.2	295
135	Canonical Wnt signaling in differentiated osteoblasts controls osteoclast differentiation. <i>Developmental Cell</i> , 2005 , 8, 751-64	10.2	1242
134	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, 283-92	10.2	662
133	Noggin antagonism of BMP4 signaling controls development of the axial skeleton in the mouse. <i>Developmental Biology</i> , 2005 , 286, 149-57	3.1	69
132	Fate-mapping of the epithelial seam during palatal fusion rules out epithelial-mesenchymal transformation. <i>Developmental Biology</i> , 2005 , 285, 490-5	3.1	82
131	Apoptosis induced by vitamin A signaling is crucial for connecting the ureters to the bladder. <i>Nature Genetics</i> , 2005 , 37, 1082-9	36.3	136
130	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, 1323-32	36.3	159
129	Neural crest origins of the neck and shoulder. <i>Nature</i> , 2005 , 436, 347-55	50.4	378

128	WNT7b mediates macrophage-induced programmed cell death in patterning of the vasculature. <i>Nature</i> , 2005 , 437, 417-21	50.4	335
127	Mouse <i>Disp1</i> is required in sonic hedgehog-expressing cells for paracrine activity of the cholesterol-modified ligand. <i>Development (Cambridge)</i> , 2005 , 132, 133-42	6.6	73
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2 Spatial Transcriptional Mapping of the Human Nephrogenic Program

6

1 A cell atlas of the fly kidney

2