Melissa H Little

List of Publications by Year in Descending Order

219 papers	11,922 citations	60 h-index	101 g-index
239 ext. papers	13,729 ext. citations	8.2 avg, IF	6.49 L-index

#	Paper	IF	Citations
219	Modeling heritable kidney disease using human kidney iPSC-derived organoids **2022**, 275-296		
218	Forward steps in organoid-based forward screening.. *Cell Stem Cell*, **2022**, 29, 7-8	18	1
217	DevKidCC allows for robust classification and direct comparisons of kidney organoid datasets.. *Genome Medicine*, **2022**, 14, 19	14.4	1
216	Regrow or Repair: An Update on Potential Regenerative Therapies for the Kidney. *Journal of the American Society of Nephrology: JASN*, **2021**,	12.7	4
215	Modelling Cellular Interactions and Dynamics During Kidney Morphogenesis. *Bulletin of Mathematical Biology*, **2021**, 84, 8	2.1	
214	Integrating single-cell genomics pipelines to discover mechanisms of stem cell differentiation. *Trends in Molecular Medicine*, **2021**, 27, 1135-1158	11.5	0
213	Plasticity of distal nephron epithelia from human kidney organoids enables the induction of ureteric tip and stalk. *Cell Stem Cell*, **2021**, 28, 671-684.e6	18	27
212	Autonomous Calcium Signaling in Human and Zebrafish Podocytes Controls Kidney Filtration Barrier Morphogenesis. *Journal of the American Society of Nephrology: JASN*, **2021**,	12.7	4
211	Cellular extrusion bioprinting improves kidney organoid reproducibility and conformation. *Nature Materials*, **2021**, 20, 260-271	27	76
210	Returning to kidney development to deliver synthetic kidneys. *Developmental Biology*, **2021**, 474, 22-36	3.1	4
209	Recessive variants impair actin remodeling and cause glomerulopathy in humans and mice. *Science Advances*, **2021**, 7,	14.3	6
208	Mentorship in Science: Response to AlShebli et al., Nature Communications 2020. *Stem Cell Reports*, **2021**, 16, 1-2	8	2
207	Determining lineage relationships in kidney development and disease. *Nature Reviews Nephrology*, **2021**,	14.9	1
206	The origin and role of the renal stroma. *Development (Cambridge)*, **2021**, 148,	6.6	1
205	Multivariate patterning of human pluripotent cells under perfusion reveals critical roles of induced paracrine factors in kidney organoid development. *Science Advances*, **2020**, 6, eaaw2746	14.3	12
204	Recreating, expanding and using nephron progenitor populations. *Nature Reviews Nephrology*, **2020**, 16, 75-76	14.9	3
203	An In Vitro Differentiation Protocol for Human Embryonic Bipotential Gonad and Testis Cell Development. *Stem Cell Reports*, **2020**, 15, 1377-1391	8	8

202	Advances in our understanding of genetic kidney disease using kidney organoids. *Pediatric Nephrology*, **2020**, 35, 915-926	3.2	7
201	Generating Kidney Organoids from Human Pluripotent Stem Cells Using Defined Conditions. *Methods in Molecular Biology*, **2020**, 2155, 183-192	1.4	4
200	Kidney organoids: accurate models or fortunate accidents. *Genes and Development*, **2019**, 33, 1319-1345	12.6	56
199	Single-cell analysis reveals congruence between kidney organoids and human fetal kidney. *Genome Medicine*, **2019**, 11, 3	14.4	94
198	Single cell analysis of the developing mouse kidney provides deeper insight into marker gene expression and ligand-receptor crosstalk. *Development (Cambridge)*, **2019**, 146,	6.6	59
197	Direct reprogramming to human nephron progenitor-like cells using inducible piggyBac transposon expression of SNAI2-EYA1-SIX1. *Kidney International*, **2019**, 95, 1153-1166	9.9	16
196	Kidney micro-organoids in suspension culture as a scalable source of human pluripotent stem cell-derived kidney cells. *Development (Cambridge)*, **2019**, 146,	6.6	58
195	Reporter-based fate mapping in human kidney organoids confirms nephron lineage relationships and reveals synchronous nephron formation. *EMBO Reports*, **2019**, 20,	6.5	30
194	Generating Kidney from Stem Cells. *Annual Review of Physiology*, **2019**, 81, 335-357	23.1	19
193	Diving Deep into the Adult Mouse Kidney. *Developmental Cell*, **2019**, 51, 293-294	10.2	1
192	Nephron progenitor commitment is a stochastic process influenced by cell migration. *ELife*, **2019**, 8,	8.9	28
191	Evaluation of variability in human kidney organoids. *Nature Methods*, **2019**, 16, 79-87	21.6	114
190	Lin28 and let-7 regulate the timing of cessation of murine nephrogenesis. *Nature Communications*, **2019**, 10, 168	17.4	29
189	Vascular bioengineering of scaffolds derived from human discarded transplant kidneys using human pluripotent stem cell-derived endothelium. *American Journal of Transplantation*, **2019**, 19, 1328-1343	8.7	23
188	DNA Methyltransferase 1 Controls Nephron Progenitor Cell Renewal and Differentiation. *Journal of the American Society of Nephrology: JASN*, **2019**, 30, 63-78	12.7	36
187	Recapitulating kidney development: Progress and challenges. *Seminars in Cell and Developmental Biology*, **2019**, 91, 153-168	7.5	18
186	Crim1 is required for maintenance of the ocular lens epithelium. *Experimental Eye Research*, **2018**, 170, 58-66	3.7	7
185	Prolonged prenatal hypoxia selectively disrupts collecting duct patterning and postnatal function in male mouse offspring. *Journal of Physiology*, **2018**, 596, 5873-5889	3.9	13

184	Simultaneous reprogramming and gene editing of human fibroblasts. *Nature Protocols*, **2018**, 13, 875-898	18.8	40
183	Advances in predictive in vitro models of drug-induced nephrotoxicity. *Nature Reviews Nephrology*, **2018**, 14, 378-393	14.9	74
182	Bayesian inference of agent-based models: a tool for studying kidney branching morphogenesis. *Journal of Mathematical Biology*, **2018**, 76, 1673-1697	2	23
181	Development of the Human Fetal Kidney from Mid to Late Gestation in Male and Female Infants. *EBioMedicine*, **2018**, 27, 275-283	8.8	55
180	Patient-iPSC-Derived Kidney Organoids Show Functional Validation of a Ciliopathic Renal Phenotype and Reveal Underlying Pathogenetic Mechanisms. *American Journal of Human Genetics*, **2018**, 102, 816-831	11	93
179	Renal Subcapsular Transplantation of PSC-Derived Kidney Organoids Induces Neo-vasculogenesis and Significant Glomerular and Tubular Maturation In Vivo. *Stem Cell Reports*, **2018**, 10, 751-765	8	191
178	Branching morphogenesis in the developing kidney is not impacted by nephron formation or integration. *ELife*, **2018**, 7,	8.9	17
177	Wnt11 directs nephron progenitor polarity and motile behavior ultimately determining nephron endowment. *ELife*, **2018**, 7,	8.9	27
176	Haploinsufficiency for the Six2 gene increases nephron progenitor proliferation promoting branching and nephron number. *Kidney International*, **2018**, 93, 589-598	9.9	22
175	Choosing an easier path or following your passion. *Nature Cell Biology*, **2018**, 20, 1005	23.4	
174	3D organoid-derived human glomeruli for personalised podocyte disease modelling and drug screening. *Nature Communications*, **2018**, 9, 5167	17.4	96
173	Moms fit 2 fight: Rationale, design, and analysis plan of a behavioral weight management intervention for pregnant and postpartum women in the U.S. military. *Contemporary Clinical Trials*, **2018**, 74, 46-54	2.3	1
172	Hamartin regulates cessation of mouse nephrogenesis independently of Mtor. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 5998-6003	11.5	21
171	Shining a Light on Alport Syndrome. *Cell Chemical Biology*, **2018**, 25, 497-498	8.2	
170	(Re)Building a Kidney. *Journal of the American Society of Nephrology: JASN*, **2017**, 28, 1370-1378	12.7	42
169	Self-organisation after embryonic kidney dissociation is driven via selective adhesion of ureteric epithelial cells. *Development (Cambridge)*, **2017**, 144, 1087-1096	6.6	14
168	Mutations in DZIP1L, which encodes a ciliary-transition-zone protein, cause autosomal recessive polycystic kidney disease. *Nature Genetics*, **2017**, 49, 1025-1034	36.3	99
167	Making a Kidney Organoid Using the Directed Differentiation of Human Pluripotent Stem Cells. *Methods in Molecular Biology*, **2017**, 1597, 195-206	1.4	26

166	Prenatal hypoxia leads to hypertension, renal renin-angiotensin system activation and exacerbates salt-induced pathology in a sex-specific manner. *Scientific Reports*, **2017**, 7, 8241	4.9	25
165	The kids are OK: it is discrimination not same-sex parents that harms children. *Medical Journal of Australia*, **2017**, 207, 374-375	4	9
164	Kidney Development in the Mammal **2017**, 787-799		
163	Regeneration of Kidney From Human Reprogrammed Stem Cells **2017**, 937-955		
162	Does Renal Repair Recapitulate Kidney Development?. *Journal of the American Society of Nephrology: JASN*, **2017**, 28, 34-46	12.7	38
161	Clinical-Grade Isolated Human Kidney Perivascular Stromal Cells as an Organotypic Cell Source for Kidney Regenerative Medicine. *Stem Cells Translational Medicine*, **2017**, 6, 405-418	6.9	23
160	Recapitulating Development to Generate Kidney Organoid Cultures **2017**, 193-222		
159	Reprogramming to Kidney **2016**, 447-461		
158	A strategy for generating kidney organoids: Recapitulating the development in human pluripotent stem cells. *Developmental Biology*, **2016**, 420, 210-220	3.1	31
157	Understanding kidney morphogenesis to guide renal tissue regeneration. *Nature Reviews Nephrology*, **2016**, 12, 624-35	14.9	32
156	Generation of kidney organoids from human pluripotent stem cells. *Nature Protocols*, **2016**, 11, 1681-92	18.8	154
155	Crim1 has cell-autonomous and paracrine roles during embryonic heart development. *Scientific Reports*, **2016**, 6, 19832	4.9	4
154	Generating kidney tissue from pluripotent stem cells. *Cell Death Discovery*, **2016**, 2, 16053	6.9	10
153	Growing Kidney Tissue from Stem Cells: How Far from "Party Trick" to Medical Application?. *Cell Stem Cell*, **2016**, 18, 695-698	18	9
152	An interview with Melissa Little. *Development (Cambridge)*, **2016**, 143, 907-9	6.6	
151	Cap mesenchyme cell swarming during kidney development is influenced by attraction, repulsion, and adhesion to the ureteric tip. *Developmental Biology*, **2016**, 418, 297-306	3.1	45
150	Neonatal vascularization and oxygen tension regulate appropriate perinatal renal medulla/papilla maturation. *Journal of Pathology*, **2016**, 238, 665-76	9.4	6
149	Regenerative medicine in kidney disease. *Kidney International*, **2016**, 90, 289-299	9.9	28

148	Analysed cap mesenchyme track data from live imaging of mouse kidney development. *Data in Brief*, **2016**, 9, 149-54	1.2	2
147	A Cas9 Variant for Efficient Generation of Indel-Free Knockin or Gene-Corrected Human Pluripotent Stem Cells. *Stem Cell Reports*, **2016**, 7, 508-517	8	67
146	Cell-cell interactions driving kidney morphogenesis. *Current Topics in Developmental Biology*, **2015**, 112, 467-508	5.3	46
145	Direct transcriptional reprogramming to nephron progenitors. *Current Opinion in Genetics and Development*, **2015**, 34, 10-6	4.9	5
144	ROBO2 restricts the nephrogenic field and regulates Wolffian duct-nephrogenic cord separation. *Developmental Biology*, **2015**, 404, 88-102	3.1	35
143	A spatially-averaged mathematical model of kidney branching morphogenesis. *Journal of Theoretical Biology*, **2015**, 379, 24-37	2.3	18
142	An illustrated anatomical ontology of the developing mouse lower urogenital tract. *Development (Cambridge)*, **2015**, 142, 1893-908	6.6	81
141	Generating a self-organizing kidney from pluripotent cells. *Current Opinion in Organ Transplantation* , **2015**, 20, 178-86	2.5	14
140	Kidney organoids from human iPS cells contain multiple lineages and model human nephrogenesis. *Nature*, **2015**, 526, 564-8	50.4	832
139	The Life Cycle of the Nephron Progenitor. *Developmental Cell*, **2015**, 35, 5-6	10.2	7
138	Evaluation of biomarkers for in vitro prediction of drug-induced nephrotoxicity: comparison of HK-2, immortalized human proximal tubule epithelial, and primary cultures of human proximal tubular cells. *Pharmacology Research and Perspectives*, **2015**, 3, e00148	3.1	47
137	A protocol for the identification and validation of novel genetic causes of kidney disease. *BMC Nephrology*, **2015**, 16, 152	2.7	6
136	Collecting duct-derived cells display mesenchymal stem cell properties and retain selective in vitro and in vivo epithelial capacity. *Journal of the American Society of Nephrology: JASN*, **2015**, 26, 81-94	12.7	28
135	Improving our resolution of kidney morphogenesis across time and space. *Current Opinion in Genetics and Development*, **2015**, 32, 135-43	4.9	32
134	The origin of the mammalian kidney: implications for recreating the kidney in vitro. *Development (Cambridge)*, **2015**, 142, 1937-47	6.6	85
133	Renal developmental defects resulting from in utero hypoxia are associated with suppression of ureteric βcatenin signaling. *Kidney International*, **2015**, 87, 975-83	9.9	30
132	Recreating kidney progenitors from pluripotent cells. *Pediatric Nephrology*, **2014**, 29, 543-52	3.2	20
131	Defining kidney biology to understand renal disease. *Clinical Journal of the American Society of Nephrology: CJASN*, **2014**, 9, 809-11	6.9	10

130	Directing human embryonic stem cell differentiation towards a renal lineage generates a self-organizing kidney. *Nature Cell Biology*, **2014**, 16, 118-26	23.4	492
129	Nephron progenitor cells: shifting the balance of self-renewal and differentiation. *Current Topics in Developmental Biology*, **2014**, 107, 293-331	5.3	59
128	The kidney research national dialogue: gearing up to move forward. *Clinical Journal of the American Society of Nephrology: CJASN*, **2014**, 9, 1806-11	6.9	14
127	Reprogramming somatic cells to a kidney fate. *Seminars in Nephrology*, **2014**, 34, 462-80	4.8	6
126	Global quantification of tissue dynamics in the developing mouse kidney. *Developmental Cell*, **2014**, 29, 188-202	10.2	179
125	Mid- to late term hypoxia in the mouse alters placental morphology, glucocorticoid regulatory pathways and nutrient transporters in a sex-specific manner. *Journal of Physiology*, **2014**, 592, 3127-41	3.9	79
124	An integrated pipeline for the multidimensional analysis of branching morphogenesis. *Nature Protocols*, **2014**, 9, 2859-79	18.8	32
123	M2 macrophage polarisation is associated with alveolar formation during postnatal lung development. *Respiratory Research*, **2013**, 14, 41	7.3	72
122	Stromal cells in tissue homeostasis: balancing regeneration and fibrosis. *Nature Reviews Nephrology* , **2013**, 9, 747-53	14.9	20
121	Direct transcriptional reprogramming of adult cells to embryonic nephron progenitors. *Journal of the American Society of Nephrology: JASN*, **2013**, 24, 1424-34	12.7	105
120	Luminal mitosis drives epithelial cell dispersal within the branching ureteric bud. *Developmental Cell*, **2013**, 27, 319-30	10.2	85
119	Modelling cell turnover in a complex tissue during development. *Journal of Theoretical Biology*, **2013**, 338, 66-79	2.3	8
118	MicroRNAs-140-5p/140-3p modulate Leydig cell numbers in the developing mouse testis. *Biology of Reproduction*, **2013**, 88, 143	3.9	55
117	Distinct sites of renal fibrosis in Crim1 mutant mice arise from multiple cellular origins. *Journal of Pathology*, **2013**, 229, 685-96	9.4	26
116	Polarity, cell division, and out-of-equilibrium dynamics control the growth of epithelial structures. *Journal of Cell Biology*, **2013**, 203, 359-72	7.3	36
115	Stromal protein Ecm1 regulates ureteric bud patterning and branching. *PLoS ONE*, **2013**, 8, e84155	3.7	29
114	Polarity, cell division, and out-of-equilibrium dynamics control the growth of epithelial structures. *Journal of General Physiology*, **2013**, 142, 1425OIA43	3.4	
113	Comprehensive transcriptome and immunophenotype analysis of renal and cardiac MSC-like populations supports strong congruence with bone marrow MSC despite maintenance of distinct identities. *Stem Cell Research*, **2012**, 8, 58-73	1.6	99

112	Crim1 has an essential role in glycogen trophoblast cell and sinusoidal-trophoblast giant cell development in the placenta. *Placenta*, **2012**, 33, 175-82	3.4	13
111	Epigenetics and developmental programming of adult onset diseases. *Pediatric Nephrology*, **2012**, 27, 2175-82	3.2	35
110	Proximal tubule overexpression of a locally acting IGF isoform, Igf-1Ea, increases inflammation after ischemic injury. *Growth Hormone and IGF Research*, **2012**, 22, 6-16	2	6
109	Use of in situ hybridization to examine gene expression in the embryonic, neonatal, and adult urogenital system. *Methods in Molecular Biology*, **2012**, 886, 223-39	1.4	
108	Access and use of the GUDMAP database of genitourinary development. *Methods in Molecular Biology*, **2012**, 886, 185-201	1.4	12
107	A genome-wide screen to identify transcription factors expressed in pelvic Ganglia of the lower urinary tract. *Frontiers in Neuroscience*, **2012**, 6, 130	5.1	15
106	Reprogramming the kidney: a novel approach for regeneration. *Kidney International*, **2012**, 82, 138-46	9.9	28
105	Association between congenital defects in papillary outgrowth and functional obstruction in Crim1 mutant mice. *Journal of Pathology*, **2012**, 227, 499-510	9.4	9
104	Production of a mouse line with a conditional Crim1 mutant allele. *Genesis*, **2012**, 50, 711-6	1.9	13
103	Identification of molecular compartments and genetic circuitry in the developing mammalian kidney. *Development (Cambridge)*, **2012**, 139, 1863-73	6.6	47
102	Mammalian kidney development: principles, progress, and projections. *Cold Spring Harbor Perspectives in Biology*, **2012**, 4,	10.2	285
101	Identification of novel markers of mouse fetal ovary development. *PLoS ONE*, **2012**, 7, e41683	3.7	39
100	Dissociation of embryonic kidney followed by re-aggregation as a method for chimeric analysis. *Methods in Molecular Biology*, **2012**, 886, 135-46	1.4	33
99	Colony-stimulating factor-1 promotes kidney growth and repair via alteration of macrophage responses. *American Journal of Pathology*, **2011**, 179, 1243-56	5.8	113
98	Identification of anchor genes during kidney development defines ontological relationships, molecular subcompartments and regulatory pathways. *PLoS ONE*, **2011**, 6, e17286	3.7	66
97	Nephron formation adopts a novel spatial topology at cessation of nephrogenesis. *Developmental Biology*, **2011**, 360, 110-22	3.1	139
96	Defining and redefining the nephron progenitor population. *Pediatric Nephrology*, **2011**, 26, 1395-406	3.2	62
95	Refining transcriptional programs in kidney development by integration of deep RNA-sequencing and array-based spatial profiling. *BMC Genomics*, **2011**, 12, 441	4.5	25

94	Expression of metanephric nephron-patterning genes in differentiating mesonephric tubules. *Developmental Dynamics*, **2011**, 240, 1600-12	2.9	35
93	Renal organogenesis: what can it tell us about renal repair and regeneration?. *Organogenesis*, **2011**, 7, 229-41	1.7	17
92	The GUDMAP database--an online resource for genitourinary research. *Development (Cambridge)*, **2011**, 138, 2845-53	6.6	190
91	Expression and functional analysis of Dkk1 during early gonadal development. *Sexual Development*, **2011**, 5, 124-30	1.6	13
90	Defining the molecular character of the developing and adult kidney podocyte. *PLoS ONE*, **2011**, 6, e24640	3.7	99
89	Macrophages in renal development, injury, and repair. *Seminars in Nephrology*, **2010**, 30, 255-67	4.8	30
88	Kidney development: two tales of tubulogenesis. *Current Topics in Developmental Biology*, **2010**, 90, 193-229	3.3	81
87	Redirection of renal mesenchyme to stromal and chondrocytic fates in the presence of TGF-beta2. *Differentiation*, **2010**, 79, 272-84	3.5	6
86	Comparative gene expression analysis of genital tubercle development reveals a putative appendicular Wnt7 network for the epidermal differentiation. *Developmental Biology*, **2010**, 344, 1071-87	3.1	24
85	Subfractionation of differentiating human embryonic stem cell populations allows the isolation of a mesodermal population enriched for intermediate mesoderm and putative renal progenitors. *Stem Cells and Development*, **2010**, 19, 1637-48	4.4	45
84	Molecular anatomy of the kidney: what have we learned from gene expression and functional genomics?. *Pediatric Nephrology*, **2010**, 25, 1005-16	3.2	22
83	Isolation of clonogenic, long-term self renewing embryonic renal stem cells. *Stem Cell Research*, **2010**, 5, 23-39	1.6	61
82	Is there such a thing as a renal stem cell?. *Journal of the American Society of Nephrology: JASN*, **2009**, 20, 2112-7	12.7	61
81	Three-dimensional visualization of testis cord morphogenesis, a novel tubulogenic mechanism in development. *Developmental Dynamics*, **2009**, 238, 1033-41	2.9	67
80	Stem cell options for kidney disease. *Journal of Pathology*, **2009**, 217, 265-81	9.4	77
79	Review article: Potential cellular therapies for renal disease: can we translate results from animal studies to the human condition?. *Nephrology*, **2009**, 14, 544-53	2.2	19
78	Atlas of Gene Expression in the Developing Kidney at Microanatomic Resolution. *Developmental Cell*, **2009**, 16, 482	10.2	2
77	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, 273-86	3.1	196

76	Loss of renal microvascular integrity in postnatal Crim1 hypomorphic transgenic mice. *Kidney International*, **2009**, 76, 1161-71	9.9	26
75	Tracing the life of the kidney tubule- re-establishing dogma and redirecting the options. *Cell Stem Cell*, **2008**, 2, 191-2	18	14
74	Atlas of gene expression in the developing kidney at microanatomic resolution. *Developmental Cell*, **2008**, 15, 781-91	10.2	184
73	High-throughput paraffin section in situ hybridization and dual immunohistochemistry on mouse tissues. *Cold Spring Harbor Protocols*, **2008**, 2008, pdb.prot5030	1.2	13
72	GUDMAP: the genitourinary developmental molecular anatomy project. *Journal of the American Society of Nephrology: JASN*, **2008**, 19, 667-71	12.7	197
71	Use of dual section mRNA in situ hybridisation/immunohistochemistry to clarify gene expression patterns during the early stages of nephron development in the embryo and in the mature nephron of the adult mouse kidney. *Histochemistry and Cell Biology*, **2008**, 130, 927-42	2.4	60
70	Crim1KST264/KST264 mice display a disruption of the Crim1 gene resulting in perinatal lethality with defects in multiple organ systems. *Developmental Dynamics*, **2007**, 236, 502-11	2.9	46
69	A high-resolution anatomical ontology of the developing murine genitourinary tract. *Gene Expression Patterns*, **2007**, 7, 680-99	1.5	114
68	Crim1KST264/KST264 mice implicate Crim1 in the regulation of vascular endothelial growth factor-A activity during glomerular vascular development. *Journal of the American Society of Nephrology: JASN*, **2007**, 18, 1697-708	12.7	48
67	Characterisation and trophic functions of murine embryonic macrophages based upon the use of a Csf1r-EGFP transgene reporter. *Developmental Biology*, **2007**, 308, 232-46	3.1	173
66	Differential gene expression in the developing mouse ureter. *Gene Expression Patterns*, **2006**, 6, 519-38	1.5	10
65	Spatial gene expression in the T-stage mouse metanephros. *Gene Expression Patterns*, **2006**, 6, 807-25	1.5	33
64	Definition and spatial annotation of the dynamic secretome during early kidney development. *Developmental Dynamics*, **2006**, 235, 1709-19	2.9	10
63	Kidney side population reveals multilineage potential and renal functional capacity but also cellular heterogeneity. *Journal of the American Society of Nephrology: JASN*, **2006**, 17, 1896-912	12.7	138
62	PAX2 activates WNT4 expression during mammalian kidney development. *Journal of Biological Chemistry*, **2006**, 281, 12705-12	5.4	56
61	Regrow or repair: potential regenerative therapies for the kidney. *Journal of the American Society of Nephrology: JASN*, **2006**, 17, 2390-401	12.7	134
60	Knockdown of zebrafish crim1 results in a bent tail phenotype with defects in somite and vascular development. *Mechanisms of Development*, **2006**, 123, 277-87	1.7	22
59	Delivering on the promise of human stem-cell research. What are the real barriers?. *EMBO Reports*, **2006**, 7, 1188-92	6.5	11

58	A side order of stem cells: the SP phenotype. *Stem Cells*, **2006**, 24, 3-12	5.8	429
57	Neonatal calyceal dilation and renal fibrosis resulting from loss of Adamts-1 in mouse kidney is due to a developmental dysgenesis. *Nephrology Dialysis Transplantation*, **2005**, 20, 419-23	4.3	25
56	Temporal and spatial transcriptional programs in murine kidney development. *Physiological Genomics*, **2005**, 23, 159-71	3.6	58
55	Angioblast-mesenchyme induction of early kidney development is mediated by Wt1 and Vegfa. *Development (Cambridge)*, **2005**, 132, 5437-49	6.6	90
54	Renal structural and functional repair in a mouse model of reversal of ureteral obstruction. *Journal of the American Society of Nephrology: JASN*, **2005**, 16, 3623-30	12.7	124
53	Establishment of metanephros transplantation in mice highlights contributions by both nephrectomy and pregnancy to developmental progression. *Nephron Experimental Nephrology*, **2005**, 101, e155-64		7
52	Identifying the molecular phenotype of renal progenitor cells. *Journal of the American Society of Nephrology: JASN*, **2004**, 15, 2344-57	12.7	110
51	PlexinA4 is necessary as a downstream target of Islet2 to mediate Slit signaling for promotion of sensory axon branching. *Development (Cambridge)*, **2004**, 131, 3705-15	6.6	40
50	Anlaysis of complementary expression profiles following WT1 induction versus repression reveals the cholesterol/fatty acid synthetic pathways as a possible major target of WT1. *Oncogene*, **2004**, 23, 3067-79	9.2	21
49	Involvement of Islet-2 in the Slit signaling for axonal branching and defasciculation of the sensory neurons in embryonic zebrafish. *Mechanisms of Development*, **2004**, 121, 315-24	1.7	55
48	In ovo electroporation of Crim1 in the developing chick spinal cord. *Developmental Dynamics*, **2003**, 226, 107-11	2.9	16
47	Movement through Slits: cellular migration via the Slit family. *BioEssays*, **2003**, 25, 32-8	4.1	17
46	The WilmsRtumour suppressor protein, WT1, undergoes CRM1-independent nucleocytoplasmic shuttling. *FEBS Letters*, **2003**, 554, 143-8	3.8	30
45	The receptor tyrosine kinase regulator Sprouty1 is a target of the tumor suppressor WT1 and important for kidney development. *Journal of Biological Chemistry*, **2003**, 278, 41420-30	5.4	59
44	CRIM1 regulates the rate of processing and delivery of bone morphogenetic proteins to the cell surface. *Journal of Biological Chemistry*, **2003**, 278, 34181-8	5.4	79
43	Wnt-4 regulation by the WilmsRtumour suppressor gene, WT1. *Oncogene*, **2002**, 21, 2948-60	9.2	68
42	Coexpression of SCL and GATA3 in the V2 interneurons of the developing mouse spinal cord. *Developmental Dynamics*, **2002**, 224, 231-7	2.9	43
41	Exogenous Slit2 does not affect ureteric branching or nephron formation during kidney development. *International Journal of Developmental Biology*, **2002**, 46, 545-50	1.9	5

40	Overexpression of a slit homologue impairs convergent extension of the mesoderm and causes cyclopia in embryonic zebrafish. *Developmental Biology*, **2001**, 230, 1-17	3.1	78
39	Dual trafficking of Slit3 to mitochondria and cell surface demonstrates novel localization for Slit protein. *American Journal of Physiology - Cell Physiology*, **2001**, 281, C486-95	5.4	17
38	Novel WT1 exon 9 mutation (D396Y) in a patient with early onset Denys Drash syndrome. *Human Mutation*, **2000**, 15, 389	4.7	3
37	Characterisation of Crim1 expression in the developing mouse urogenital tract reveals a sexually dimorphic gonadal expression pattern. *Developmental Dynamics*, **2000**, 219, 582-7	2.9	22
36	Fine mapping of the neurally expressed gene SOX14 to human 3q23, relative to three congenital diseases. *Human Genetics*, **2000**, 106, 432-9	6.3	17
35	Expression of Crim1 during murine ocular development. *Mechanisms of Development*, **2000**, 94, 261-5	1.7	21
34	Expression of the vertebrate Slit gene family and their putative receptors, the Robo genes, in the developing murine kidney. *Mechanisms of Development*, **2000**, 94, 213-7	1.7	87
33	CRIM1, a novel gene encoding a cysteine-rich repeat protein, is developmentally regulated and implicated in vertebrate CNS development and organogenesis. *Mechanisms of Development*, **2000**, 90, 181-93	1.7	79
32	Mice lacking the vascular endothelial growth factor-B gene (Vegfb) have smaller hearts, dysfunctional coronary vasculature, and impaired recovery from cardiac ischemia. *Circulation Research*, **2000**, 86, E29-35	15.7	214
31	Assignment of the human slit homologue SLIT2 to human chromosome band 4p15.2. *Cytogenetic and Genome Research*, **1999**, 86, 246-7	1.9	10
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3	Fate-mapping within human kidney organoids reveals conserved mammalian nephron progenitor lineage relationships	3
2	Bioprinted pluripotent stem cell-derived kidney organoids provide opportunities for high content screening	9
1	DevKidCC allows for robust classification and direct comparisons of kidney organoid datasets	1