John F. Bertram

List of Publications by Year in descending order

246 papers	12,196 citations	28274 55 h-index	34986 98 g-index
254 all docs	254 docs citations	254 times ranked	9430 citing authors

#	Article	IF	Citations
1	The ability of remaining glomerular podocytes to adapt to the loss of their neighbours decreases with age. Cell and Tissue Research, 2022, 388, 439-451.	2.9	3
2	Podometrics in Japanese Living Donor Kidneys: Associations with Nephron Number, Age, and Hypertension. Journal of the American Society of Nephrology: JASN, 2021, 32, 1187-1199.	6.1	13
3	Total Nephron Number and Single-Nephron Parameters in Patients with IgA Nephropathy. Kidney360, 2021, 2, 828-841.	2.1	3
4	Podocyte endowment and the impact of adult body size on kidney health. American Journal of Physiology - Renal Physiology, 2021, 321, F322-F334.	2.7	10
5	Clearly imaging and quantifying the kidney in 3D. Kidney International, 2021, 100, 780-786.	5.2	21
6	Progressive Nephron Loss in Aging Kidneys: Clinicalâ€“Structural Associations Investigated by Two Anatomical Methods. Anatomical Record, 2020, 303, 2526-2536.	1.4	12
7	Experiences and lessons learned as a Chair of anatomyâ€”An 18â€year journey. Anatomical Record, 2020, 303, 2516-2525.	1.4	3
8	Your blood pressure might be normal, but what about your podocytes?. Kidney International, 2020, 98, 545-547.	5.2	3
9	Analysis of structure and gene expression in developing kidneys of male and female rats exposed to low protein diets in utero. Anatomical Record, 2020, 303, 2657-2667.	1.4	4
10	Maternal hypoxia developmentally programs low podocyte endowment in male, but not female offspring. Anatomical Record, 2020, 303, 2668-2678.	1.4	12
11	Smad4 promotes diabetic nephropathy by modulating glycolysis and <scp>OXPHOS</scp>. EMBO Reports, 2020, 21, e48781.	4.5	39
12	Moderate prenatal ethanol exposure in the rat promotes kidney cell apoptosis, nephron deficits, and sexâ€specific kidney dysfunction in adult offspring. Anatomical Record, 2020, 303, 2632-2645.	1.4	6
13	Threeâ€Dimensional Printing of Archived Human Fetal Material for Teaching Purposes. Anatomical Sciences Education, 2019, 12, 90-96.	3.7	33
14	Estimation of nephron number in living humans by combining unenhanced computed tomography with biopsy-based stereology. Scientific Reports, 2019, 9, 14400.	3.3	21
15	Normal foetal kidney volume in offspring of women treated for gestational diabetes. Endocrinology, Diabetes and Metabolism, 2019, 2, e00091.	2.4	3
16	Impaired <scp>SIRT</scp> 1 activity leads to diminution in glomerular endowment without accelerating ageâ€associated <scp>GFR</scp> decline. Physiological Reports, 2019, 7, e14044.	1.7	4
17	Chronic low alcohol intake during pregnancy programs sex-specific cardiovascular deficits in rats. Biology of Sex Differences, 2019, 10, 21.	4.1	11
18	Novel 3D analysis using optical tissue clearing documents the evolution of murine rapidly progressive glomerulonephritis. Kidney International, 2019, 96, 505-516.	5.2	35

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19	Chronic kidney cortical damage is associated with baseline kidney function and albuminuria in patients managed with radical nephrectomy for kidney tumours. Pathology, 2019, 51, 32-38.	0.6	8
20	Seminars in cell and developmental biology. Seminars in Cell and Developmental Biology, 2019, 91, 84-85.	5.0	3
21	Biopsy-based estimation of total nephron number in Japanese living kidney donors. Clinical and Experimental Nephrology, 2019, 23, 629-637.	1.6	30
22	mTOR-mediated podocyte hypertrophy regulates glomerular integrity in mice and humans. JCI Insight, 2019, 4, .	5.0	69
23	Development of the Human Fetal Kidney from Mid to Late Gestation in Male and Female Infants. EBioMedicine, 2018, 27, 275-283.	6.1	93
24	APOL1 Risk Variants Independently Associated With Early Cardiovascular Disease Death. Kidney International Reports, 2018, 3, 89-98.	0.8	14
25	An Atypical Parvovirus Drives Chronic Tubulointerstitial Nephropathy and Kidney Fibrosis. Cell, 2018, 175, 530-543.e24.	28.9	89
26	Maternal low protein diet programmes low ovarian reserve in offspring. Reproduction, 2018, 156, 299â€“311.	2.6	20
27	Perinatal Programming of Arterial Pressure. , 2018, , 135-158.		0
28	We can see clearly now. Current Opinion in Nephrology and Hypertension, 2017, 26, 179-186.	2.0	12
29	Combining new tools to assess renal function and morphology: a holistic approach to study the effects of aging and a congenital nephron deficit. American Journal of Physiology - Renal Physiology, 2017, 313, F576-F584.	2.7	14
30	Quantifying podocyte depletion: theoretical and practical considerations. Cell and Tissue Research, 2017, 369, 229-236.	2.9	18
31	Development of the Kidney. , 2017, , 953-964.e4.		5
32	New insights on glomerular hyperfiltration: a Japanese autopsy study. JCI Insight, 2017, 2, .	5.0	57
33	Perinatal Programming of Arterial Pressure. , 2017, , 1-25.		0
34	Maternal Fat Feeding Augments Offspring Nephron Endowment in Mice. PLoS ONE, 2016, 11, e0161578.	2.5	17
35	Variation in Human Nephron Number and Association with Disease. , 2016, , 167-175.		1
36	Human podocyte depletion in association with older age and hypertension. American Journal of Physiology - Renal Physiology, 2016, 310, F656-F668.	2.7	55

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37	Maternal glucose intolerance reduces offspring nephron endowment and increases glomerular volume in adult offspring. Diabetes/Metabolism Research and Reviews, 2016, 32, 816-826.	4.0	19
38	Nephron loss in the ageing kidney â€" it's more than you think. Nature Reviews Nephrology, 2016, 12, 585-586.	9.6	4
39	Lengths of nephron tubule segments and collecting ducts in the CD-1 mouse kidney: an ontogeny study. American Journal of Physiology - Renal Physiology, 2016, 311, F976-F983.	2.7	11
40	Fast glomerular quantification of whole ex vivo mouse kidneys using Magnetic Resonance Imaging at 9.4 Tesla. Zeitschrift Fur Medizinische Physik, 2016, 26, 54-62.	1.5	13
41	APOL1 Risk Alleles Are Associated With More Severe Arteriosclerosis in Renal Resistance Vessels With Aging and Hypertension. Kidney International Reports, 2016, 1, 10-23.	0.8	19
42	Efficient Small Blob Detection Based on Local Convexity, Intensity and Shape Information. IEEE Transactions on Medical Imaging, 2016, 35, 1127-1137.	8.9	32
43	Indirect estimation of nephron number: a new tool to predict outcomes in renal transplantation?. Nephrology Dialysis Transplantation, 2016, 31, 1378-1380.	0.7	3
44	Kidney disease in children: latest advances and remaining challenges. Nature Reviews Nephrology, 2016, 12, 182-191.	9.6	31
45	Validation of a Three-Dimensional Method for Counting and Sizing Podocytes in Whole Glomeruli. Journal of the American Society of Nephrology: JASN, 2016, 27, 3093-3104.	6.1	59
46	Phenotyping by magnetic resonance imaging nondestructively measures glomerular number and volume distribution in mice with and without nephron reduction. Kidney International, 2016, 89, 498-505.	5.2	52
47	Use of Cationized Ferritin Nanoparticles to Measure Renal Glomerular Microstructure with MRI. Methods in Molecular Biology, 2016, 1397, 67-79.	0.9	8
48	Congenital anomalies of the kidney and urinary tract genetics in mice and men. Nephrology, 2015, 20, 309-311.	1.6	18
49	Counting glomeruli and podocytes. Current Opinion in Nephrology and Hypertension, 2015, 24, 1.	2.0	29
50	Copy-number variation associated with congenital anomalies of the kidney and urinary tract. Pediatric Nephrology, 2015, 30, 487-495.	1.7	61
51	The Smad3/Smad4/CDK9 complex promotes renal fibrosis in mice with unilateral ureteral obstruction. Kidney International, 2015, 88, 1323-1335.	5.2	18
52	Smad3 deficiency protects mice from obesity-induced podocyte injury that precedes insulin resistance. Kidney International, 2015, 88, 286-298.	5.2	39
53	Podocyte Number in Children and Adults. Journal of the American Society of Nephrology: JASN, 2015, 26, 2277-2288.	6.1	61
54	APOL1 Risk Alleles Are Associated with Exaggerated Age-Related Changes in Glomerular Number and Volume in African-American Adults. Journal of the American Society of Nephrology: JASN, 2015, 26, 3179-3189.	6.1	36

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55	Nephron Hypertrophy and Glomerulosclerosis in Normal Donor Kidneys. Clinical Journal of the American Society of Nephrology: CJASN, 2014, 9, 1832-1834.	4.5	4
56	Vascular geometry and oxygen diffusion in the vicinity of artery-vein pairs in the kidney. American Journal of Physiology - Renal Physiology, 2014, 307, F1111-F1122.	2.7	27
57	Glomerular hypertrophy in subjects with low nephron number: contributions of sex, body size and race. Nephrology Dialysis Transplantation, 2014, 29, 1686-1695.	0.7	23
58	Why and how we determine nephron number. Pediatric Nephrology, 2014, 29, 575-580.	1.7	35
59	Low-dose maternal alcohol consumption: effects in the hearts of offspring in early life and adulthood. Physiological Reports, 2014, 2, e12087.	1.7	24
60	Hypertension, glomerular hypertrophy and nephrosclerosis: the effect of race. Nephrology Dialysis Transplantation, 2014, 29, 1399-1409.	0.7	77
61	MRI-based glomerular morphology and pathology in whole human kidneys. American Journal of Physiology - Renal Physiology, 2014, 306, F1381-F1390.	2.7	87
62	Design-based stereological methods for estimating numbers of glomerular podocytes. Annals of Anatomy, 2014, 196, 48-56.	1.9	18
63	A Mouse Splice-Site Mutant and Individuals with Atypical Chromosome 22q11.2 Deletions Demonstrate the Crucial Role for Crkl in Craniofacial and Pharyngeal Development. Molecular Syndromology, 2014, 5, 276-286.	0.8	11
64	Imaging Tools for Analysis of the Ureteric Tree in the Developing Mouse Kidney. Methods in Molecular Biology, 2014, 1075, 305-320.	0.9	2
65	Effect of fetal and child health on kidney development and long-term risk of hypertension and kidney disease. Lancet, The, 2013, 382, 273-283.	13.7	440
66	Estimation of Glomerular Podocyte Number. Journal of the American Society of Nephrology: JASN, 2013, 24, 1193-1202.	6.1	35
67	Cauli: A Mouse Strain with an Ift140 Mutation That Results in a Skeletal Ciliopathy Modelling Jeune Syndrome. PLoS Genetics, 2013, 9, e1003746.	3.5	52
68	Estimating glomerular number: Why we do it and how. Clinical and Experimental Pharmacology and Physiology, 2013, 40, 785-788.	1.9	13
69	The emerging role of MRI in quantitative renal glomerular morphology. American Journal of Physiology - Renal Physiology, 2013, 304, F1252-F1257.	2.7	44
70	The effect of low-to-moderate-dose ethanol consumption on rat mammary gland structure and function and early postnatal growth of offspring. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2013, 304, R791-R798.	1.8	5
71	Genome-Wide ENU Mutagenesis in Combination with High Density SNP Analysis and Exome Sequencing Provides Rapid Identification of Novel Mouse Models of Developmental Disease. PLoS ONE, 2013, 8, e55429.	2.5	15
72	Altered Ureteric Branching Morphogenesis and Nephron Endowment in Offspring of Diabetic and Insulin-Treated Pregnancy. PLoS ONE, 2013, 8, e58243.	2.5	55

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73	Resolvin D1 Protects Podocytes in Adriamycin-Induced Nephropathy through Modulation of 14-3-3Î² Acetylation. PLoS ONE, 2013, 8, e67471.	2.5	27
74	Glomerular Endothelial Cell Injury and Damage Precedes That of Podocytes in Adriamycin-Induced Nephropathy. PLoS ONE, 2013, 8, e55027.	2.5	92
75	bfb, a Novel ENU-Induced blebs Mutant Resulting from a Missense Mutation in Fras1. PLoS ONE, 2013, 8, e76342.	2.5	7
76	High nephron endowment protects against salt-induced hypertension. American Journal of Physiology - Renal Physiology, 2012, 303, F253-F258.	2.7	19
77	Diffusive oxygen shunting between vessels in the preglomerular renal vasculature: anatomic observations and computational modeling. American Journal of Physiology - Renal Physiology, 2012, 303, F605-F618.	2.7	34
78	Renal responses to furosemide are significantly attenuated in male sheep at 6 months of age following fetal uninephrectomy. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2012, 302, R868-R875.	1.8	4
79	Quantification of glomerular number and size distribution in normal rat kidneys using magnetic resonance imaging. Nephrology Dialysis Transplantation, 2012, 27, 100-107.	0.7	61
80	Renal biopsy findings among Indigenous Australians: a nationwide review. Kidney International, 2012, 82, 1321-1331.	5.2	52
81	A rodent model of low- to moderate-dose ethanol consumption during pregnancy: patterns of ethanol consumption and effects on fetal and offspring growth. Reproduction, Fertility and Development, 2012, 24, 859.	0.4	32
82	Alcohol exposure during late gestation: multiple developmental outcomes in sheep. Journal of Developmental Origins of Health and Disease, 2012, 3, 224-236.	1.4	14
83	Mechanism of alcoholâ€induced impairment in renal development: Could it be reduced by retinoic acid?. Clinical and Experimental Pharmacology and Physiology, 2012, 39, 807-813.	1.9	24
84	Estimating individual glomerular volume in the human kidney: clinical perspectives. Nephrology Dialysis Transplantation, 2012, 27, 1880-1888.	0.7	42
85	White adipocytes: More than just fat depots. International Journal of Biochemistry and Cell Biology, 2012, 44, 435-440.	2.8	47
86	The fate of bone marrow-derived cells carrying a polycystic kidney disease mutation in the genetically normal kidney. BMC Nephrology, 2012, 13, 91.	1.8	1
87	Role of microRNAs in kidney homeostasis and disease. Kidney International, 2012, 81, 617-627.	5.2	187
88	Estimating Nephron Number in the Developing Kidney Using the Physical Disector/Fractionator Combination. Methods in Molecular Biology, 2012, 886, 109-119.	0.9	25
89	Estimating Total Nephron Number in the Adult Kidney Using the Physical Disector/Fractionator Combination. Methods in Molecular Biology, 2012, 886, 333-350.	0.9	46
90	Increased Capillary Branching Contributes to Angiotensin Type 1 Receptor Blocker (ARB)â€“Induced Regression of Sclerosis. American Journal of Pathology, 2011, 178, 1891-1898.	3.8	14

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91	Expression Patterns and Roles of Periostin During Kidney and Ureter Development. Journal of Urology, 2011, 186, 1537-1544.	0.4	22
92	Glomerular number and size variability and risk for kidney disease. Current Opinion in Nephrology and Hypertension, 2011, 20, 7-15.	2.0	126
93	Kidney Development: Core Curriculum 2011. American Journal of Kidney Diseases, 2011, 57, 948-958.	1.9	24
94	Human nephron number: implications for health and disease. Pediatric Nephrology, 2011, 26, 1529-1533.	1.7	405
95	Accelerated Maturation and Abnormal Morphology in the Preterm Neonatal Kidney. Journal of the American Society of Nephrology: JASN, 2011, 22, 1365-1374.	6.1	267
96	Towards a definition of glomerulomegaly: clinical-pathological and methodological considerations. Nephrology Dialysis Transplantation, 2011, 26, 2202-2208.	0.7	30
97	Distribution of Volumes of Individual Glomeruli in Kidneys at Autopsy: Association with Physical and Clinical Characteristics and with Ethnic Group. American Journal of Nephrology, 2011, 33, 15-20.	3.1	37
98	A design-based method for estimating glomerular number in the developing kidney. American Journal of Physiology - Renal Physiology, 2011, 300, F1448-F1453.	2.7	42
99	Measuring glomerular number and size in perfused kidneys using MRI. American Journal of Physiology - Renal Physiology, 2011, 300, F1454-F1457.	2.7	87
100	Fetal uninephrectomy in male sheep alters the systemic and renal responses to angiotensin II infusion and AT1R blockade. American Journal of Physiology - Renal Physiology, 2011, 301, F319-F326.	2.7	13
101	Prenatal glucocorticoid exposure in the sheep alters renal development in utero: implications for adult renal function and blood pressure control. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2011, 301, R500-R509.	1.8	69
102	Urine-concentrating defects exacerbate with age in male offspring with a low-nephron endowment. American Journal of Physiology - Renal Physiology, 2011, 301, F1168-F1176.	2.7	18
103	Betaglycan Is Required for the Establishment of Nephron Endowment in the Mouse. PLoS ONE, 2011, 6, e18723.	2.5	25
104	CKD in Aboriginal Australians. American Journal of Kidney Diseases, 2010, 56, 983-993.	1.9	44
105	Regulation of Kidney Development by Shp2: An Unbiased Stereological Analysis. Anatomical Record, 2010, 293, 2147-2153.	1.4	7
106	Review: Endothelialâ€myofibroblast transition, a new player in diabetic renal fibrosis. Nephrology, 2010, 15, 507-512.	1.6	90
107	The early development of the kidney and implications for future health. Journal of Developmental Origins of Health and Disease, 2010, 1, 216-233.	1.4	70
108	Prenatal Exposure to Alcohol Reduces Nephron Number and Raises Blood Pressure in Progeny. Journal of the American Society of Nephrology: JASN, 2010, 21, 1891-1902.	6.1	110

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109	Blockade of Endothelial-Mesenchymal Transition by a Smad3 Inhibitor Delays the Early Development of Streptozotocin-Induced Diabetic Nephropathy. Diabetes, 2010, 59, 2612-2624.	0.6	243
110	Reduced nephron endowment due to fetal uninephrectomy impairs renal sodium handling in male sheep. Clinical Science, 2010, 118, 669-680.	4.3	38
111	A comparison of nephron number, glomerular volume and kidney weight in Senegalese Africans and African Americans. Nephrology Dialysis Transplantation, 2010, 25, 1514-1520.	0.7	42
112	Riboregulators in kidney development and function. Biochimie, 2010, 92, 217-225.	2.6	15
113	Redirection of renal mesenchyme to stromal and chondrocytic fates in the presence of TGF-Î²2. Differentiation, 2010, 79, 272-284.	1.9	6
114	Resveratrol Inhibits Renal Fibrosis in the Obstructed Kidney. American Journal of Pathology, 2010, 177, 1065-1071.	3.8	181
115	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, 1637-1648.	2.1	49
116	Is There Such a Thing as a Renal Stem Cell?. Journal of the American Society of Nephrology: JASN, 2009, 20, 2112-2117.	6.1	71
117	Sexual Dimorphism in Mouse Metanephroi Exposed to 17Î²-Estradiol in vitro. Nephron Experimental Nephrology, 2009, 111, e42-e50.	2.2	7
118	Three-Dimensional Imaging Reveals Ureteric and Mesenchymal Defects in Fgfr2-Mutant Kidneys. Journal of the American Society of Nephrology: JASN, 2009, 20, 2525-2533.	6.1	42
119	Nephron number and individual glomerular volumes in male Caucasian and African American subjects. Nephrology Dialysis Transplantation, 2009, 24, 2428-2433.	0.7	37
120	Associations between age, body size and nephron number with individual glomerular volumes in urban West African males. Nephrology Dialysis Transplantation, 2009, 24, 1500-1506.	0.7	28
121	Glomerular surface area is normalized in mice born with a nephron deficit: no role for AT1 receptors. American Journal of Physiology - Renal Physiology, 2009, 296, F583-F589.	2.7	11
122	Deletion of Frs2Î± from the ureteric epithelium causes renal hypoplasia. American Journal of Physiology - Renal Physiology, 2009, 297, F1208-F1219.	2.7	31
123	Is nephrogenesis affected by preterm birth? Studies in a non-human primate model. American Journal of Physiology - Renal Physiology, 2009, 297, F1668-F1677.	2.7	117
124	Indomethacin, ibuprofen and gentamicin administered during late stages of glomerulogenesis do not reduce glomerular number at 14Âdays of age in the neonatal rat. Pediatric Nephrology, 2009, 24, 1143-1149.	1.7	26
125	Endothelial-Myofibroblast Transition Contributes to the Early Development of Diabetic Renal Interstitial Fibrosis in Streptozotocin-Induced Diabetic Mice. American Journal of Pathology, 2009, 175, 1380-1388.	3.8	276
126	Development of cardiovascular disease due to renal insufficiency in male sheep following fetal unilateral nephrectomy. Journal of Hypertension, 2009, 27, 386-396.	0.5	36

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127	Immunohistochemical localisation of TRA-1-60, TRA-1-81, GCTM-2 and podocalyxin in the developing baboon kidney. Histochemistry and Cell Biology, 2008, 129, 651-657.	1.7	5
128	Glomerular Hypertrophy in Offspring of Subtotally Nephrectomized Ewes. Anatomical Record, 2008, 291, 318-324.	1.4	12
129	Bone morphogenetic protein signaling in the developing kidney: present and future. Differentiation, 2008, 76, 831-842.	1.9	38
130	Associations of Glomerular Number and Birth Weight With Clinicopathological Features of African Americans and Whites. American Journal of Kidney Diseases, 2008, 52, 18-28.	1.9	106
131	Factors Influencing Mammalian Kidney Development: Implications for Health in Adult Life. Advances in Anatomy, Embryology and Cell Biology, 2008, 196, 1-78.	1.6	63
132	A Common RET Variant Is Associated with Reduced Newborn Kidney Size and Function. Journal of the American Society of Nephrology: JASN, 2008, 19, 2027-2034.	6.1	118
133	Renal pathology, glomerular number and volume in a West African urban community. Nephrology Dialysis Transplantation, 2008, 23, 2576-2585.	0.7	36
134	Repeated ethanol exposure during late gestation decreases nephron endowment in fetal sheep. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2008, 295, R568-R574.	1.8	58
135	Augmented and Accelerated Nephrogenesis in TGF-Î²2 Heterozygous Mutant Mice. Pediatric Research, 2008, 63, 607-612.	2.3	39
136	Nephron number, glomerular volume, renal disease and hypertension. Current Opinion in Nephrology and Hypertension, 2008, 17, 258-265.	2.0	169
137	Developmental Programming of the Kidney. Advances in Anatomy, Embryology and Cell Biology, 2008, , 39-54.	1.6	0
138	Methodology to Examine Kidney Development. Advances in Anatomy, Embryology and Cell Biology, 2008, , 18-26.	1.6	0
139	Genetic Regulation of Metanephric Development. Advances in Anatomy, Embryology and Cell Biology, 2008, , 9-16.	1.6	0
140	Development of Function in the Fetus. Advances in Anatomy, Embryology and Cell Biology, 2008, , 27-32.	1.6	0
141	Abnormalities of Renal Development in the Human. Advances in Anatomy, Embryology and Cell Biology, 2008, , 16-17.	1.6	0
142	Effects of dietary protein restriction on nephron number in the mouse. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2007, 292, R1768-R1774.	1.8	105
143	Combined prenatal and postnatal protein restriction influences adult kidney structure, function, and arterial pressure. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2007, 292, R462-R469.	1.8	102
144	Sex differences in postnatal growth and renal development in offspring of rabbit mothers with chronic secondary hypertension. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2007, 292, R706-R714.	1.8	30

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145	Effects of dexamethasone exposure on rat metanephric development: in vitro and in vivo studies. American Journal of Physiology - Renal Physiology, 2007, 293, F548-F554.	2.7	61
146	Renal cilia display length alterations following tubular injury and are present early in epithelial repair. Nephrology Dialysis Transplantation, 2007, 23, 834-841.	0.7	87
147	The Contribution of Bone Marrow-Derived Cells to the Development of Renal Interstitial Fibrosis. Stem Cells, 2007, 25, 697-706.	3.2	103
148	Prenatal corticosterone exposure results in altered AT₁/AT₂, nephron deficit and hypertension in the rat offspring. Journal of Physiology, 2007, 579, 503-513.	2.9	125
149	In vitro differentiation of murine embryonic stem cells toward a renal lineage. Differentiation, 2007, 75, 337-349.	1.9	111
150	Applicability of the glomerular size distribution coefficient in assessing human glomerular volume: the Weibel and Gomez method revisited. Journal of Anatomy, 2007, 210, 578-582.	1.5	32
151	A high-resolution anatomical ontology of the developing murine genitourinary tract. Gene Expression Patterns, 2007, 7, 680-699.	0.8	125
152	Inhibition of p38 Mitogen-Activated Protein Kinase and Transforming Growth Factor-Î²1/Smad Signaling Pathways Modulates the Development of Fibrosis in Adriamycin-Induced Nephropathy. American Journal of Pathology, 2006, 169, 1527-1540.	3.8	81
153	Ureteric branching morphogenesis in BMP4 heterozygous mutant mice. Journal of Anatomy, 2006, 209, 745-755.	1.5	21
154	Hypertension, glomerular number, and birth weight in African Americans and white subjects in the southeastern United States. Kidney International, 2006, 69, 671-678.	5.2	250
155	Reduced nephron number and glomerulomegaly in Australian Aborigines: A group at high risk for renal disease and hypertension. Kidney International, 2006, 70, 104-110.	5.2	227
156	Differential gene expression in the developing mouse ureter. Gene Expression Patterns, 2006, 6, 519-538.	0.8	10
157	Spatial gene expression in the T-stage mouse metanephros. Gene Expression Patterns, 2006, 6, 807-825.	0.8	37
158	Long-term effects of a midgestational asphyxial episode in the ovine fetus. The Anatomical Record Part A: Discoveries in Molecular, Cellular, and Evolutionary Biology, 2006, 288A, 1112-1120.	2.0	4
159	Blockade of p38 Mitogen-Activated Protein Kinase and TGF-Î²1/Smad Signaling Pathways Rescues Bone Marrowâ€“Derived Peritubular Capillary Endothelial Cells in Adriamycin-Induced Nephrosis. Journal of the American Society of Nephrology: JASN, 2006, 17, 2799-2811.	6.1	33
160	How Many Glomerular Profiles Must Be Measured to Obtain Reliable Estimates of Mean Glomerular Areas in Human Renal Biopsies?. Journal of the American Society of Nephrology: JASN, 2006, 17, 556-563.	6.1	30
161	Barker and Brenner: A Basis for Hypertension?. Current Hypertension Reviews, 2006, 2, 179-185.	0.9	8
162	Imaging the Embryonic Kidney. Nephron Experimental Nephrology, 2006, 103, e62-e68.	2.2	7

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163	Does nephron number matter in the development of kidney disease?. Ethnicity and Disease, 2006, 16, S2-40-5.	2.3	32
164	Paradoxical structural effects in the unilaterally denervated spontaneously hypertensive rat kidney. Journal of Hypertension, 2005, 23, 851-859.	0.5	12
165	A stereological study of the renal glomerular vasculature in the db/db mouse model of diabetic nephropathy. Journal of Anatomy, 2005, 207, 813-821.	1.5	74
166	Mutagenesis of the epithelial polarity gene, discs large 1, perturbs nephrogenesis in the developing mouse kidney. Kidney International, 2005, 68, 955-965.	5.2	32
167	Exogenous BMP-4 amplifies asymmetric ureteric branching in the developing mouse kidney in vitro. Kidney International, 2005, 67, 420-431.	5.2	38
168	Computer-based detection of neonatal changes to branching morphogenesis reveals different mechanisms of and predicts prostate enlargement in mice haplo-insufficient for bone morphogenetic protein 4. Journal of Pathology, 2005, 206, 52-61.	4.5	10
169	Temporal and spatial transcriptional programs in murine kidney development. Physiological Genomics, 2005, 23, 159-171.	2.3	64
170	Renal Structural and Functional Repair in a Mouse Model of Reversal of Ureteral Obstruction. Journal of the American Society of Nephrology: JASN, 2005, 16, 3623-3630.	6.1	146
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