

John F. Bertram

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/413266/john-f-bertram-publications-by-year.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

240
papers

10,177
citations

53
h-index

90
g-index

254
ext. papers

11,228
ext. citations

5.4
avg, IF

6.03
L-index

#	Paper	IF	Citations
240	The ability of remaining glomerular podocytes to adapt to the loss of their neighbours decreases with age.. <i>Cell and Tissue Research</i> , 2022 , 1	4.2	1
239	Total Nephron Number and Single-Nephron Parameters in Patients with IgA Nephropathy.. <i>Kidney360</i> , 2021 , 2, 828-841	1.8	
238	Podometrics in Japanese Living Donor Kidneys: Associations with Nephron Number, Age, and Hypertension. <i>Journal of the American Society of Nephrology: JASN</i> , 2021 , 32, 1187-1199	12.7	3
237	Podocyte endowment and the impact of adult body size on kidney health. <i>American Journal of Physiology - Renal Physiology</i> , 2021 , 321, F322-F334	4.3	3
236	Clearly imaging and quantifying the kidney in 3D. <i>Kidney International</i> , 2021 , 100, 780-786	9.9	1
235	Analysis of structure and gene expression in developing kidneys of male and female rats exposed to low protein diets in utero. <i>Anatomical Record</i> , 2020 , 303, 2657-2667	2.1	2
234	Maternal hypoxia developmentally programs low podocyte endowment in male, but not female offspring. <i>Anatomical Record</i> , 2020 , 303, 2668-2678	2.1	8
233	Smad4 promotes diabetic nephropathy by modulating glycolysis and OXPHOS. <i>EMBO Reports</i> , 2020 , 21, e48781	6.5	13
232	Moderate prenatal ethanol exposure in the rat promotes kidney cell apoptosis, nephron deficits, and sex-specific kidney dysfunction in adult offspring. <i>Anatomical Record</i> , 2020 , 303, 2632-2645	2.1	4
231	Progressive Nephron Loss in Aging Kidneys: Clinical-Structural Associations Investigated by Two Anatomical Methods. <i>Anatomical Record</i> , 2020 , 303, 2526-2536	2.1	4
230	Experiences and lessons learned as a Chair of anatomy-An 18-year journey. <i>Anatomical Record</i> , 2020 , 303, 2516-2525	2.1	2
229	Your blood pressure might be normal, but what about your podocytes?. <i>Kidney International</i> , 2020 , 98, 545-547	9.9	1
228	Impaired SIRT1 activity leads to diminution in glomerular endowment without accelerating age-associated GFR decline. <i>Physiological Reports</i> , 2019 , 7, e14044	2.6	3
227	Chronic low alcohol intake during pregnancy programs sex-specific cardiovascular deficits in rats. <i>Biology of Sex Differences</i> , 2019 , 10, 21	9.3	6
226	Novel 3D analysis using optical tissue clearing documents the evolution of murine rapidly progressive glomerulonephritis. <i>Kidney International</i> , 2019 , 96, 505-516	9.9	24
225	Three-Dimensional Printing of Archived Human Fetal Material for Teaching Purposes. <i>Anatomical Sciences Education</i> , 2019 , 12, 90-96	6.8	20
224	Estimation of nephron number in living humans by combining unenhanced computed tomography with biopsy-based stereology. <i>Scientific Reports</i> , 2019 , 9, 14400	4.9	14

223	Normal foetal kidney volume in offspring of women treated for gestational diabetes. <i>Endocrinology, Diabetes and Metabolism</i> , 2019 , 2, e00091	2.7	2
222	mTOR-mediated podocyte hypertrophy regulates glomerular integrity in mice and humans. <i>JCI Insight</i> , 2019 , 4,	9.9	29
221	Chronic kidney cortical damage is associated with baseline kidney function and albuminuria in patients managed with radical nephrectomy for kidney tumours. <i>Pathology</i> , 2019 , 51, 32-38	1.6	4
220	Biopsy-based estimation of total nephron number in Japanese living kidney donors. <i>Clinical and Experimental Nephrology</i> , 2019 , 23, 629-637	2.5	23
219	Development of the Human Fetal Kidney from Mid to Late Gestation in Male and Female Infants. <i>EBioMedicine</i> , 2018 , 27, 275-283	8.8	55
218	Risk Variants Independently Associated With Early Cardiovascular Disease Death. <i>Kidney International Reports</i> , 2018 , 3, 89-98	4.1	9
217	Maternal low-protein diet programmes low ovarian reserve in offspring. <i>Reproduction</i> , 2018 , 156, 299-313	18	10
216	Perinatal Programming of Arterial Pressure 2018 , 135-158		
215	An Atypical Parvovirus Drives Chronic Tubulointerstitial Nephropathy and Kidney Fibrosis. <i>Cell</i> , 2018 , 175, 530-543.e24	56.2	53
214	We can see clearly now: optical clearing and kidney morphometrics. <i>Current Opinion in Nephrology and Hypertension</i> , 2017 , 26, 179-186	3.5	11
213	Combining new tools to assess renal function and morphology: a holistic approach to study the effects of aging and a congenital nephron deficit. <i>American Journal of Physiology - Renal Physiology</i> , 2017 , 313, F576-F584	4.3	7
212	Quantifying podocyte depletion: theoretical and practical considerations. <i>Cell and Tissue Research</i> , 2017 , 369, 229-236	4.2	14
211	Development of the Kidney: Morphology and Mechanisms 2017 , 953-964.e4		3
210	New insights on glomerular hyperfiltration: a Japanese autopsy study. <i>JCI Insight</i> , 2017 , 2,	9.9	39
209	Perinatal Programming of Arterial Pressure 2017 , 1-25		
208	Ageing: Nephron loss in the ageing kidney - it's more than you think. <i>Nature Reviews Nephrology</i> , 2016 , 12, 585-6	14.9	3
207	Lengths of nephron tubule segments and collecting ducts in the CD-1 mouse kidney: an ontogeny study. <i>American Journal of Physiology - Renal Physiology</i> , 2016 , 311, F976-F983	4.3	8
206	Fast glomerular quantification of whole ex vivo mouse kidneys using Magnetic Resonance Imaging at 9.4 Tesla. <i>Zeitschrift Fur Medizinische Physik</i> , 2016 , 26, 54-62	7.6	13

205	Risk Alleles are Associated with More Severe Arteriosclerosis in Renal Resistance Vessels with Aging and Hypertension. <i>Kidney International Reports</i> , 2016 , 1, 10-23	4.1	13
204	Efficient Small Blob Detection Based on Local Convexity, Intensity and Shape Information. <i>IEEE Transactions on Medical Imaging</i> , 2016 , 35, 1127-37	11.7	21
203	Indirect estimation of nephron number: a new tool to predict outcomes in renal transplantation?. <i>Nephrology Dialysis Transplantation</i> , 2016 , 31, 1378-80	4.3	2
202	Kidney disease in children: latest advances and remaining challenges. <i>Nature Reviews Nephrology</i> , 2016 , 12, 182-91	14.9	24
201	Validation of a Three-Dimensional Method for Counting and Sizing Podocytes in Whole Glomeruli. <i>Journal of the American Society of Nephrology: JASN</i> , 2016 , 27, 3093-3104	12.7	43
200	Phenotyping by magnetic resonance imaging nondestructively measures glomerular number and volume distribution in mice with and without nephron reduction. <i>Kidney International</i> , 2016 , 89, 498-505	9.9	40
199	Use of Cationized Ferritin Nanoparticles to Measure Renal Glomerular Microstructure with MRI. <i>Methods in Molecular Biology</i> , 2016 , 1397, 67-79	1.4	8
198	Maternal Fat Feeding Augments Offspring Nephron Endowment in Mice. <i>PLoS ONE</i> , 2016 , 11, e0161578	3.7	13
197	Variation in Human Nephron Number and Association with Disease 2016 , 167-175		1
196	Human podocyte depletion in association with older age and hypertension. <i>American Journal of Physiology - Renal Physiology</i> , 2016 , 310, F656-F668	4.3	39
195	Maternal glucose intolerance reduces offspring nephron endowment and increases glomerular volume in adult offspring. <i>Diabetes/Metabolism Research and Reviews</i> , 2016 , 32, 816-826	7.5	15
194	The Smad3/Smad4/CDK9 complex promotes renal fibrosis in mice with unilateral ureteral obstruction. <i>Kidney International</i> , 2015 , 88, 1323-1335	9.9	9
193	Smad3 deficiency protects mice from obesity-induced podocyte injury that precedes insulin resistance. <i>Kidney International</i> , 2015 , 88, 286-98	9.9	33
192	Podocyte Number in Children and Adults: Associations with Glomerular Size and Numbers of Other Glomerular Resident Cells. <i>Journal of the American Society of Nephrology: JASN</i> , 2015 , 26, 2277-88	12.7	48
191	APOL1 Risk Alleles Are Associated with Exaggerated Age-Related Changes in Glomerular Number and Volume in African-American Adults: An Autopsy Study. <i>Journal of the American Society of Nephrology: JASN</i> , 2015 , 26, 3179-89	12.7	27
190	Congenital anomalies of the kidney and urinary tract genetics in mice and men. <i>Nephrology</i> , 2015 , 20, 309-11	2.2	16
189	Counting glomeruli and podocytes: rationale and methodologies. <i>Current Opinion in Nephrology and Hypertension</i> , 2015 , 24, 224-30	3.5	29
188	Copy-number variation associated with congenital anomalies of the kidney and urinary tract. <i>Pediatric Nephrology</i> , 2015 , 30, 487-95	3.2	51

187	Low-dose maternal alcohol consumption: effects in the hearts of offspring in early life and adulthood. <i>Physiological Reports</i> , 2014 , 2, e12087	2.6	16
186	Hypertension, glomerular hypertrophy and nephrosclerosis: the effect of race. <i>Nephrology Dialysis Transplantation</i> , 2014 , 29, 1399-409	4.3	61
185	MRI-based glomerular morphology and pathology in whole human kidneys. <i>American Journal of Physiology - Renal Physiology</i> , 2014 , 306, F1381-90	4.3	73
184	Design-based stereological methods for estimating numbers of glomerular podocytes. <i>Annals of Anatomy</i> , 2014 , 196, 48-56	2.9	16
183	A mouse splice-site mutant and individuals with atypical chromosome 22q11.2 deletions demonstrate the crucial role for crkl in craniofacial and pharyngeal development. <i>Molecular Syndromology</i> , 2014 , 5, 276-86	1.5	9
182	Vascular geometry and oxygen diffusion in the vicinity of artery-vein pairs in the kidney. <i>American Journal of Physiology - Renal Physiology</i> , 2014 , 307, F1111-22	4.3	23
181	Glomerular hypertrophy in subjects with low nephron number: contributions of sex, body size and race. <i>Nephrology Dialysis Transplantation</i> , 2014 , 29, 1686-95	4.3	19
180	Why and how we determine nephron number. <i>Pediatric Nephrology</i> , 2014 , 29, 575-80	3.2	31
179	Imaging tools for analysis of the ureteric tree in the developing mouse kidney. <i>Methods in Molecular Biology</i> , 2014 , 1075, 305-20	1.4	2
178	Effect of fetal and child health on kidney development and long-term risk of hypertension and kidney disease. <i>Lancet, The</i> , 2013 , 382, 273-83	4.0	325
177	Estimation of glomerular podocyte number: a selection of valid methods. <i>Journal of the American Society of Nephrology: JASN</i> , 2013 , 24, 1193-202	12.7	30
176	Cauli: a mouse strain with an Ift140 mutation that results in a skeletal ciliopathy modelling Jeune syndrome. <i>PLoS Genetics</i> , 2013 , 9, e1003746	6	34
175	Estimating glomerular number: why we do it and how. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2013 , 40, 785-8	3	13
174	The emerging role of MRI in quantitative renal glomerular morphology. <i>American Journal of Physiology - Renal Physiology</i> , 2013 , 304, F1252-7	4.3	40
173	The effect of low-to-moderate-dose ethanol consumption on rat mammary gland structure and function and early postnatal growth of offspring. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2013 , 304, R791-8	3.2	5
172	Genome-wide ENU mutagenesis in combination with high density SNP analysis and exome sequencing provides rapid identification of novel mouse models of developmental disease. <i>PLoS ONE</i> , 2013 , 8, e55429	3.7	13
171	Altered ureteric branching morphogenesis and nephron endowment in offspring of diabetic and insulin-treated pregnancy. <i>PLoS ONE</i> , 2013 , 8, e58243	3.7	44
170	Resolvin D1 protects podocytes in adriamycin-induced nephropathy through modulation of 14-3-3 σ acetylation. <i>PLoS ONE</i> , 2013 , 8, e67471	3.7	21

169	Glomerular endothelial cell injury and damage precedes that of podocytes in adriamycin-induced nephropathy. <i>PLoS ONE</i> , 2013 , 8, e55027	3.7	70
168	bfb, a novel ENU-induced blebs mutant resulting from a missense mutation in <i>Fras1</i> . <i>PLoS ONE</i> , 2013 , 8, e76342	3.7	4
167	Mechanism of alcohol-induced impairment in renal development: Could it be reduced by retinoic acid?. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2012 , 39, 807-13	3	20
166	Estimating individual glomerular volume in the human kidney: clinical perspectives. <i>Nephrology Dialysis Transplantation</i> , 2012 , 27, 1880-8	4.3	33
165	White adipocytes: more than just fat depots. <i>International Journal of Biochemistry and Cell Biology</i> , 2012 , 44, 435-40	5.6	40
164	The fate of bone marrow-derived cells carrying a Polycystic Kidney Disease mutation in the genetically normal kidney. <i>BMC Nephrology</i> , 2012 , 13, 91	2.7	1
163	Role of microRNAs in kidney homeostasis and disease. <i>Kidney International</i> , 2012 , 81, 617-27	9.9	161
162	High nephron endowment protects against salt-induced hypertension. <i>American Journal of Physiology - Renal Physiology</i> , 2012 , 303, F253-8	4.3	15
161	Diffusive oxygen shunting between vessels in the preglomerular renal vasculature: anatomic observations and computational modeling. <i>American Journal of Physiology - Renal Physiology</i> , 2012 , 303, F605-18	4.3	31
160	Renal responses to furosemide are significantly attenuated in male sheep at 6 months of age following fetal uninephrectomy. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2012 , 302, R868-75	3.2	4
159	Quantification of glomerular number and size distribution in normal rat kidneys using magnetic resonance imaging. <i>Nephrology Dialysis Transplantation</i> , 2012 , 27, 100-7	4.3	60
158	Renal biopsy findings among Indigenous Australians: a nationwide review. <i>Kidney International</i> , 2012 , 82, 1321-31	9.9	36
157	A rodent model of low- to moderate-dose ethanol consumption during pregnancy: patterns of ethanol consumption and effects on fetal and offspring growth. <i>Reproduction, Fertility and Development</i> , 2012 , 24, 859-70	1.8	29
156	Alcohol exposure during late gestation: multiple developmental outcomes in sheep. <i>Journal of Developmental Origins of Health and Disease</i> , 2012 , 3, 224-36	2.4	13
155	Estimating nephron number in the developing kidney using the physical disector/fractionator combination. <i>Methods in Molecular Biology</i> , 2012 , 886, 109-19	1.4	23
154	Estimating total nephron number in the adult kidney using the physical disector/fractionator combination. <i>Methods in Molecular Biology</i> , 2012 , 886, 333-50	1.4	41
153	Increased capillary branching contributes to angiotensin type 1 receptor blocker (ARB)-induced regression of sclerosis. <i>American Journal of Pathology</i> , 2011 , 178, 1891-8	5.8	13
152	Expression patterns and roles of periostin during kidney and ureter development. <i>Journal of Urology</i> , 2011 , 186, 1537-44	2.5	18

151	Glomerular number and size variability and risk for kidney disease. <i>Current Opinion in Nephrology and Hypertension</i> , 2011 , 20, 7-15	3.5	98
150	Kidney development: core curriculum 2011. <i>American Journal of Kidney Diseases</i> , 2011 , 57, 948-58	7.4	22
149	Human nephron number: implications for health and disease. <i>Pediatric Nephrology</i> , 2011 , 26, 1529-33	3.2	315
148	Accelerated maturation and abnormal morphology in the preterm neonatal kidney. <i>Journal of the American Society of Nephrology: JASN</i> , 2011 , 22, 1365-74	12.7	213
147	Towards a definition of glomerulomegaly: clinical-pathological and methodological considerations. <i>Nephrology Dialysis Transplantation</i> , 2011 , 26, 2202-8	4.3	21
146	Distribution of volumes of individual glomeruli in kidneys at autopsy: association with physical and clinical characteristics and with ethnic group. <i>American Journal of Nephrology</i> , 2011 , 33 Suppl 1, 15-20	4.6	31
145	A design-based method for estimating glomerular number in the developing kidney. <i>American Journal of Physiology - Renal Physiology</i> , 2011 , 300, F1448-53	4.3	36
144	Measuring glomerular number and size in perfused kidneys using MRI. <i>American Journal of Physiology - Renal Physiology</i> , 2011 , 300, F1454-7	4.3	79
143	Fetal uninephrectomy in male sheep alters the systemic and renal responses to angiotensin II infusion and AT1R blockade. <i>American Journal of Physiology - Renal Physiology</i> , 2011 , 301, F319-26	4.3	12
142	Prenatal glucocorticoid exposure in the sheep alters renal development in utero: implications for adult renal function and blood pressure control. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2011 , 301, R500-9	3.2	53
141	Urine-concentrating defects exacerbate with age in male offspring with a low-nephron endowment. <i>American Journal of Physiology - Renal Physiology</i> , 2011 , 301, F1168-76	4.3	12
140	Betaglycan is required for the establishment of nephron endowment in the mouse. <i>PLoS ONE</i> , 2011 , 6, e18723	3.7	22
139	Review: Endothelial-myofibroblast transition, a new player in diabetic renal fibrosis. <i>Nephrology</i> , 2010 , 15, 507-12	2.2	80
138	The early development of the kidney and implications for future health. <i>Journal of Developmental Origins of Health and Disease</i> , 2010 , 1, 216-33	2.4	43
137	Prenatal exposure to alcohol reduces nephron number and raises blood pressure in progeny. <i>Journal of the American Society of Nephrology: JASN</i> , 2010 , 21, 1891-902	12.7	84
136	Blockade of endothelial-mesenchymal transition by a Smad3 inhibitor delays the early development of streptozotocin-induced diabetic nephropathy. <i>Diabetes</i> , 2010 , 59, 2612-24	0.9	189
135	Reduced nephron endowment due to fetal uninephrectomy impairs renal sodium handling in male sheep. <i>Clinical Science</i> , 2010 , 118, 669-80	6.5	32
134	A comparison of nephron number, glomerular volume and kidney weight in Senegalese Africans and African Americans. <i>Nephrology Dialysis Transplantation</i> , 2010 , 25, 1514-20	4.3	33

133	Riboregulators in kidney development and function. <i>Biochimie</i> , 2010 , 92, 217-25	4.6	15
132	Redirection of renal mesenchyme to stromal and chondrocytic fates in the presence of TGF-beta2. <i>Differentiation</i> , 2010 , 79, 272-84	3.5	6
131	Resveratrol inhibits renal fibrosis in the obstructed kidney: potential role in deacetylation of Smad3. <i>American Journal of Pathology</i> , 2010 , 177, 1065-71	5.8	154
130	Subfractionation of differentiating human embryonic stem cell populations allows the isolation of a mesodermal population enriched for intermediate mesoderm and putative renal progenitors. <i>Stem Cells and Development</i> , 2010 , 19, 1637-48	4.4	45
129	CKD in Aboriginal Australians. <i>American Journal of Kidney Diseases</i> , 2010 , 56, 983-93	7.4	41
128	Regulation of kidney development by Shp2: an unbiased stereological analysis. <i>Anatomical Record</i> , 2010 , 293, 2147-53	2.1	6
127	Is there such a thing as a renal stem cell?. <i>Journal of the American Society of Nephrology: JASN</i> , 2009 , 20, 2112-7	12.7	61
126	Sexual dimorphism in mouse metanephroi exposed to 17 beta-estradiol in vitro. <i>Nephron Experimental Nephrology</i> , 2009 , 111, e42-50		7
125	Three-dimensional imaging reveals ureteric and mesenchymal defects in Fgfr2-mutant kidneys. <i>Journal of the American Society of Nephrology: JASN</i> , 2009 , 20, 2525-33	12.7	38
124	Nephron number and individual glomerular volumes in male Caucasian and African American subjects. <i>Nephrology Dialysis Transplantation</i> , 2009 , 24, 2428-33	4.3	33
123	Associations between age, body size and nephron number with individual glomerular volumes in urban West African males. <i>Nephrology Dialysis Transplantation</i> , 2009 , 24, 1500-6	4.3	27
122	Glomerular surface area is normalized in mice born with a nephron deficit: no role for AT1 receptors. <i>American Journal of Physiology - Renal Physiology</i> , 2009 , 296, F583-9	4.3	11
121	Deletion of Frs2alpha from the ureteric epithelium causes renal hypoplasia. <i>American Journal of Physiology - Renal Physiology</i> , 2009 , 297, F1208-19	4.3	31
120	Is nephrogenesis affected by preterm birth? Studies in a non-human primate model. <i>American Journal of Physiology - Renal Physiology</i> , 2009 , 297, F1668-77	4.3	97
119	Indomethacin, ibuprofen and gentamicin administered during late stages of glomerulogenesis do not reduce glomerular number at 14 days of age in the neonatal rat. <i>Pediatric Nephrology</i> , 2009 , 24, 1143-9	3.3	21
118	Endothelial-myofibroblast transition contributes to the early development of diabetic renal interstitial fibrosis in streptozotocin-induced diabetic mice. <i>American Journal of Pathology</i> , 2009 , 175, 1380-8	5.8	237
117	Development of cardiovascular disease due to renal insufficiency in male sheep following fetal unilateral nephrectomy. <i>Journal of Hypertension</i> , 2009 , 27, 386-96	1.9	34
116	Bone morphogenetic protein signaling in the developing kidney: present and future. <i>Differentiation</i> , 2008 , 76, 831-42	3.5	36

115	Associations of glomerular number and birth weight with clinicopathological features of African Americans and whites. <i>American Journal of Kidney Diseases</i> , 2008 , 52, 18-28	7.4	94
114	Factors influencing mammalian kidney development: implications for health in adult life. <i>Advances in Anatomy, Embryology and Cell Biology</i> , 2008 , 196, 1-78	1.2	54
113	A common RET variant is associated with reduced newborn kidney size and function. <i>Journal of the American Society of Nephrology: JASN</i> , 2008 , 19, 2027-34	12.7	108
112	Renal pathology, glomerular number and volume in a West African urban community. <i>Nephrology Dialysis Transplantation</i> , 2008 , 23, 2576-85	4.3	33
111	Repeated ethanol exposure during late gestation decreases nephron endowment in fetal sheep. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2008 , 295, R568-74	3.2	51
110	Augmented and accelerated nephrogenesis in TGF-beta2 heterozygous mutant mice. <i>Pediatric Research</i> , 2008 , 63, 607-12	3.2	37
109	Nephron number, glomerular volume, renal disease and hypertension. <i>Current Opinion in Nephrology and Hypertension</i> , 2008 , 17, 258-65	3.5	146
108	Immunohistochemical localisation of TRA-1-60, TRA-1-81, GCTM-2 and podocalyxin in the developing baboon kidney. <i>Histochemistry and Cell Biology</i> , 2008 , 129, 651-7	2.4	5
107	Glomerular hypertrophy in offspring of subtotaly nephrectomized ewes. <i>Anatomical Record</i> , 2008 , 291, 318-24	2.1	12
106	Renal cilia display length alterations following tubular injury and are present early in epithelial repair. <i>Nephrology Dialysis Transplantation</i> , 2008 , 23, 834-41	4.3	70
105	Morphological Development of the Mammalian Kidney. <i>Advances in Anatomy, Embryology and Cell Biology</i> , 2008 , 1-9	1.2	16
104	The contribution of bone marrow-derived cells to the development of renal interstitial fibrosis. <i>Stem Cells</i> , 2007 , 25, 697-706	5.8	93
103	Prenatal corticosterone exposure results in altered AT1/AT2, nephron deficit and hypertension in the rat offspring. <i>Journal of Physiology</i> , 2007 , 579, 503-13	3.9	107
102	In vitro differentiation of murine embryonic stem cells toward a renal lineage. <i>Differentiation</i> , 2007 , 75, 337-49	3.5	101
101	Applicability of the glomerular size distribution coefficient in assessing human glomerular volume: the Weibel and Gomez method revisited. <i>Journal of Anatomy</i> , 2007 , 210, 578-82	2.9	25
100	A high-resolution anatomical ontology of the developing murine genitourinary tract. <i>Gene Expression Patterns</i> , 2007 , 7, 680-99	1.5	114
99	Effects of dietary protein restriction on nephron number in the mouse. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2007 , 292, R1768-74	3.2	91
98	Combined prenatal and postnatal protein restriction influences adult kidney structure, function, and arterial pressure. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2007 , 292, R462-9	3.2	89

97	Sex differences in postnatal growth and renal development in offspring of rabbit mothers with chronic secondary hypertension. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2007 , 292, R706-14	3.2	29
96	Effects of dexamethasone exposure on rat metanephric development: in vitro and in vivo studies. <i>American Journal of Physiology - Renal Physiology</i> , 2007 , 293, F548-54	4.3	55
95	Differential gene expression in the developing mouse ureter. <i>Gene Expression Patterns</i> , 2006 , 6, 519-38	1.5	10
94	Spatial gene expression in the T-stage mouse metanephros. <i>Gene Expression Patterns</i> , 2006 , 6, 807-25	1.5	33
93	Long-term effects of a midgestational asphyxial episode in the ovine fetus. <i>The Anatomical Record Part A: Discoveries in Molecular, Cellular, and Evolutionary Biology</i> , 2006 , 288, 1112-20		4
92	Blockade of p38 mitogen-activated protein kinase and TGF-beta1/Smad signaling pathways rescues bone marrow-derived peritubular capillary endothelial cells in adriamycin-induced nephrosis. <i>Journal of the American Society of Nephrology: JASN</i> , 2006 , 17, 2799-811	12.7	30
91	How many glomerular profiles must be measured to obtain reliable estimates of mean glomerular areas in human renal biopsies?. <i>Journal of the American Society of Nephrology: JASN</i> , 2006 , 17, 556-63	12.7	22
90	Barker and Brenner: A Basis for Hypertension?. <i>Current Hypertension Reviews</i> , 2006 , 2, 179-185	2.3	8
89	Inhibition of p38 mitogen-activated protein kinase and transforming growth factor-beta1/Smad signaling pathways modulates the development of fibrosis in adriamycin-induced nephropathy. <i>American Journal of Pathology</i> , 2006 , 169, 1527-40	5.8	77
88	Ureteric branching morphogenesis in BMP4 heterozygous mutant mice. <i>Journal of Anatomy</i> , 2006 , 209, 745-55	2.9	20
87	Hypertension, glomerular number, and birth weight in African Americans and white subjects in the southeastern United States. <i>Kidney International</i> , 2006 , 69, 671-8	9.9	215
86	Reduced nephron number and glomerulomegaly in Australian Aborigines: a group at high risk for renal disease and hypertension. <i>Kidney International</i> , 2006 , 70, 104-10	9.9	192
85	Imaging the embryonic kidney. <i>Nephron Experimental Nephrology</i> , 2006 , 103, e62-8		6
84	Does nephron number matter in the development of kidney disease?. <i>Ethnicity and Disease</i> , 2006 , 16, S2-40-5	1.8	31
83	Paradoxical structural effects in the unilaterally denervated spontaneously hypertensive rat kidney. <i>Journal of Hypertension</i> , 2005 , 23, 851-9	1.9	11
82	A stereological study of the renal glomerular vasculature in the db/db mouse model of diabetic nephropathy. <i>Journal of Anatomy</i> , 2005 , 207, 813-21	2.9	70
81	Mutagenesis of the epithelial polarity gene, discs large 1, perturbs nephrogenesis in the developing mouse kidney. <i>Kidney International</i> , 2005 , 68, 955-65	9.9	24
80	Exogenous BMP-4 amplifies asymmetric ureteric branching in the developing mouse kidney in vitro. <i>Kidney International</i> , 2005 , 67, 420-31	9.9	36

79	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. <i>Journal of Pathology</i> , 2005 , 206, 52-61	9.4	10
78	Temporal and spatial transcriptional programs in murine kidney development. <i>Physiological Genomics</i> , 2005 , 23, 159-71	3.6	58
77	Renal structural and functional repair in a mouse model of reversal of ureteral obstruction. <i>Journal of the American Society of Nephrology: JASN</i> , 2005 , 16, 3623-30	12.7	124
76	Nephron number, hypertension, renal disease, and renal failure. <i>Journal of the American Society of Nephrology: JASN</i> , 2005 , 16, 2557-64	12.7	231
75	The where, what and why of the developing renal stroma. <i>Nephron Experimental Nephrology</i> , 2005 , 99, e1-8		41
74	Determinants of glomerular volume in different cortical zones of the human kidney. <i>Journal of the American Society of Nephrology: JASN</i> , 2005 , 16, 3102-9	12.7	87
73	Chemotherapy delays progression of motor neuron disease in the SOD1 G93A transgenic mouse. <i>Chemotherapy</i> , 2004 , 50, 138-42	3.2	4
72	Does a nephron deficit in rats predispose to salt-sensitive hypertension?. <i>Kidney and Blood Pressure Research</i> , 2004 , 27, 239-47	3.1	47
71	Is there an association between level of adult blood pressure and nephron number or renal filtration surface area?. <i>Kidney International</i> , 2004 , 65, 582-8	9.9	46
70	Nephron endowment and blood pressure: what do we really know?. <i>Current Hypertension Reports</i> , 2004 , 6, 133-9	4.7	35
69	Quartz crystal microbalance-based measurements of shear-induced senescence in human embryonic kidney cells. <i>Biotechnology and Bioengineering</i> , 2004 , 88, 392-8	4.9	12
68	Cardiovascular hypertrophy in one-kidney, one-clip renal hypertension is resistant to heparin. <i>Journal of Hypertension</i> , 2004 , 22, 767-74	1.9	
67	Angiotensin-converting enzyme inhibition in adult hypertensive rats: a stereological study of renal filtration surface area. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2003 , 30, 72-6	3	3
66	Glomerular number and size in autopsy kidneys: the relationship to birth weight. <i>Kidney International</i> , 2003 , 63, 2113-22	9.9	566
65	A stereological study of glomerular number and volume: preliminary findings in a multiracial study of kidneys at autopsy. <i>Kidney International</i> , 2003 , S31-7	9.9	256
64	Organisation of bone morphogenetic proteins in renal development. <i>Nephron Experimental Nephrology</i> , 2003 , 93, e18-22		13
63	Nephron number, renal function, and arterial pressure in aged GDNF heterozygous mice. <i>Hypertension</i> , 2003 , 41, 335-40	8.5	143
62	Angiogenesis occurs by vessel elongation in proliferative phase human endometrium. <i>Human Reproduction</i> , 2002 , 17, 1199-206	5.7	84

61	Antigen-induced airway inflammation in the Brown Norway rat results in airway smooth muscle hyperplasia. <i>Journal of Applied Physiology</i> , 2002 , 93, 1833-40	3.7	25
60	Glomerular size and glomerulosclerosis: relationships to disease categories, glomerular solidification, and ischemic obsolescence. <i>American Journal of Kidney Diseases</i> , 2002 , 39, 679-88	7.4	42
59	Nephron number and blood pressure in rat offspring with maternal high-protein diet. <i>Pediatric Nephrology</i> , 2002 , 17, 1000-4	3.2	22
58	Correlation of histopathological features and renal impairment in autosomal dominant Alport syndrome in Bull terriers. <i>Nephrology Dialysis Transplantation</i> , 2002 , 17, 1897-908	4.3	15
57	Nephron endowment and renal filtration surface area in young spontaneously hypertensive rats. <i>Kidney and Blood Pressure Research</i> , 2002 , 25, 20-6	3.1	14
56	Compensatory renal growth after unilateral nephrectomy in the ovine fetus. <i>Journal of the American Society of Nephrology: JASN</i> , 2002 , 13, 406-410	12.7	93
55	BMPs and BMP receptors in mouse metanephric development: in vivo and in vitro studies. <i>International Journal of Developmental Biology</i> , 2002 , 46, 525-33	1.9	27
54	Quantitation of 3D ureteric branching morphogenesis in cultured embryonic mouse kidney. <i>International Journal of Developmental Biology</i> , 2002 , 46, 1049-55	1.9	14
53	Renomedullary interstitial cell lipid droplet content is increased in spontaneously hypertensive rats and by low salt diet. <i>Journal of Hypertension</i> , 2001 , 19, 1309-13	1.9	2
52	Nephron endowment in glial cell line-derived neurotrophic factor (GDNF) heterozygous mice. <i>Kidney International</i> , 2001 , 60, 31-6	9.9	74
51	Fibroblast growth factor receptors and their ligands in the adult rat kidney. <i>Kidney International</i> , 2001 , 60, 147-55	9.9	47
50	Effect of angiotensin-converting enzyme inhibition on renal filtration surface area in hypertensive rats. <i>Kidney International</i> , 2001 , 60, 1837-43	9.9	14
49	Counting in the kidney. <i>Kidney International</i> , 2001 , 59, 792-6	9.9	71
48	In vitro studies on the roles of transforming growth factor-beta 1 in rat metanephric development. <i>Kidney International</i> , 2001 , 59, 1641-53	9.9	38
47	Transforming growth factor- β superfamily members: roles in branching morphogenesis in the kidney. <i>Nephrology</i> , 2001 , 6, 274-284	2.2	4
46	Podocyte foot process broadening in experimental diabetic nephropathy: amelioration with renin-angiotensin blockade. <i>Diabetologia</i> , 2001 , 44, 878-82	10.3	126
45	Expression of bone morphogenetic protein receptors in the developing mouse metanephros. <i>Nephron Experimental Nephrology</i> , 2001 , 9, 372-9		27
44	Effect of angiotensin-converting enzyme inhibition on myocardial vascularization in the adolescent and adult spontaneously hypertensive rat. <i>Journal of Hypertension</i> , 2001 , 19, 785-94	1.9	11

43	Renal vascular resistance properties and glomerular protection in early established SHR hypertension. <i>Journal of Hypertension</i> , 2001 , 19, 1505-12	1.9	17
42	RENAL GLOMERULAR NUMBER AND SIZE IN AUSTRALIAN ABORIGINES, AFRICAN AMERICANS AND WHITE POPULATIONS FROM THE SAME LOCATIONS: A PRELIMINARY REPORT. <i>Image Analysis and Stereology</i> , 2001 , 20, 153	1	3
41	Advances in renal development. <i>Current Opinion in Nephrology and Hypertension</i> , 2000 , 9, 247-51	3.5	14
40	Quantitative analysis of the developing rat kidney: absolute and relative volumes and growth curves. <i>The Anatomical Record</i> , 2000 , 258, 128-35		12
39	Studies on the effects of gentamicin on rat metanephric development in vitro. <i>Nephrology</i> , 2000 , 5, 115-123		13
38	Retinal neovascularization is prevented by blockade of the renin-angiotensin system. <i>Hypertension</i> , 2000 , 36, 1099-104	8.5	201
37	Structure of the renal circulation. <i>Advances in Organ Biology</i> , 2000 , 9, 1-16		3
36	Glomerular size and glomerulosclerosis in Australian aborigines. <i>American Journal of Kidney Diseases</i> , 2000 , 36, 481-9	7.4	56
35	ESTIMATING TOTAL GLOMERULAR NUMBER IN HUMAN KIDNEYS WITH A PHYSICAL DISECTOR/FRACTIONATOR COMBINATION. <i>Image Analysis and Stereology</i> , 2000 , 19, 105	1	13
34	NEPHRON NUMBER IN THE OFFSPRING OF RATS FED A LOW PROTEIN DIET DURING PREGNANCY. <i>Image Analysis and Stereology</i> , 2000 , 19, 219	1	19
33	Quantitative analysis of the developing rat kidney: Absolute and relative volumes and growth curves. <i>The Anatomical Record</i> , 2000 , 258, 128		15
32	Molecular regulation of nephron endowment. <i>American Journal of Physiology - Renal Physiology</i> , 1999 , 276, F485-97	4.3	27
31	Expression and localization of fibroblast growth factors and fibroblast growth factor receptors in the developing rat kidney. <i>Kidney International</i> , 1999 , 56, 2025-39	9.9	51
30	Glomerulomegaly in Australian Aborigines. <i>Nephrology</i> , 1998 , 4, S46-S53	2.2	26
29	Tamoxifen inhibits colorectal cancer metastases in the liver: a study in a murine model. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 1998 , 13, 521-7	4	16
28	Vascular growth responses in SHR and WKY during development of renal (1K1C) hypertension. <i>American Journal of Hypertension</i> , 1997 , 10, 43-50	2.3	2
27	Cardiac hypertrophy in diabetic spontaneously hypertensive rats: role of angiotensin II?. <i>Clinical and Experimental Pharmacology and Physiology</i> , 1997 , 24, 445-8	3	6
26	Expression of fibroblast growth factors and their receptors in rat glomeruli. <i>Kidney International</i> , 1997 , 51, 1729-38	9.9	19

25	Decreased developmental cell death in sympathetic and spinal sensory nervous systems of the Kyoto spontaneously hypertensive rat. <i>Journal of Hypertension</i> , 1996 , 14, 1111-5	1.9	5
24	Light-microscopic immunolocalization of fibroblast growth factor-1 and -2 in adult rat kidney. <i>Cell and Tissue Research</i> , 1996 , 285, 179-87	4.2	18
23	Characterization of an animal model of hepatic metastasis. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 1996 , 11, 26-32	4	57
22	Biphasic glomerular hypertrophy in rats administered puromycin aminonucleoside. <i>Kidney International</i> , 1996 , 50, 768-75	9.9	21
21	Glomerular stereology: Why, what and how to measure glomerular structure. <i>Nephrology</i> , 1996 , 2, 305-313		8
20	Structural changes in the renal vasculature in the spontaneously hypertensive rat: no effect of angiotensin II blockade. <i>Clinical and Experimental Pharmacology and Physiology</i> , 1996 , 23 Suppl 3, S132-5 ³		10
19	Expression of transforming growth factor- β type II receptor mRNA in embryonic and adult rat kidney. <i>Nephrology</i> , 1995 , 1, 547-553	2.2	4
18	Renal medulla and bradykinin during the development of hypertension in SHR. <i>Clinical and Experimental Pharmacology and Physiology</i> , 1995 , 22, 463-5	3	2
17	Analyzing renal glomeruli with the new stereology. <i>International Review of Cytology</i> , 1995 , 161, 111-72		123
16	Angiotensin II induces cardiovascular hypertrophy in perindopril-treated rats. <i>Journal of Hypertension</i> , 1995 , 13, 683-92	1.9	32
15	Enalapril does not prevent renal arterial hypertrophy in spontaneously hypertensive rats. <i>Hypertension</i> , 1995 , 25, 335-42	8.5	30
14	Reactive oxygen species in puromycin aminonucleoside nephrosis: in vitro studies. <i>Kidney International</i> , 1994 , 45, 1057-69	9.9	45
13	Effects of angiotensin converting enzyme inhibition on glomerular number, juxtaglomerular cell activity and renin content in experimental unilateral hydronephrosis. <i>Journal of Hypertension</i> , 1994 , 12, 735-744	1.9	4
12	Total numbers of glomeruli and individual glomerular cell types in the normal rat kidney. <i>Cell and Tissue Research</i> , 1992 , 270, 37-45	4.2	103
11	Counting cells with the new stereology. <i>Trends in Cell Biology</i> , 1992 , 2, 177-80	18.3	21
10	The use of the optical disector to estimate the total number of neurons in the developing chick lateral motor column: effects of purified growth factors. <i>The Anatomical Record</i> , 1991 , 231, 416-24		25
9	In vitro effects of puromycin aminonucleoside on the ultrastructure of rat glomerular podocytes. <i>Cell and Tissue Research</i> , 1990 , 260, 555-63	4.2	13
8	Counting cells with stereology: random versus serial sectioning. <i>Journal of Electron Microscopy Technique</i> , 1990 , 14, 32-8		7

7	Glomerular podocytes in cultured rat kidney slices. A qualitative and quantitative electron-microscopic study. <i>Cell and Tissue Research</i> , 1989 , 256, 419-29	4.2	6
6	Morphometric and statistical analyses describing the in utero growth of human epidermis. <i>The Anatomical Record</i> , 1988 , 222, 201-6		6
5	Stereological analysis of synaptogenesis in the molecular layer of piriform cortex in the prenatal rat. <i>Journal of Comparative Neurology</i> , 1987 , 261, 295-305	3.4	13
4	Influence of tissue composition on the final volume of rat liver blocks prepared for electron microscopy. <i>Journal of Electron Microscopy Technique</i> , 1986 , 4, 303-314		20
3	The lung parenchyma strip. <i>Trends in Pharmacological Sciences</i> , 1984 , 5, 7-9	13.2	20
2	A pharmacological and ultrastructural study of alveolar contractile tissue in toad (<i>Bu fo marinus</i>) lung. <i>Comparative Biochemistry and Physiology Part C: Comparative Pharmacology</i> , 1983 , 75, 343-9		1
1	Correlations between pharmacological responses and structure of human lung parenchyma strips. <i>British Journal of Pharmacology</i> , 1983 , 80, 107-14	8.6	32