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	Glomerular number and size in autopsy kidneys: The relationship to birth weight. Kidney International, 2003, 63, 2113-2122.	5.2	647
2	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
3	Human nephron number: implications for health and disease. Pediatric Nephrology, 2011, 26, 1529-1533.	1.7	405
4	A stereological study of glomerular number and volume: Preliminary findings in a multiracial study of kidneys at autopsy. Kidney International, 2003, 63, S31-S37.	5.2	295
5	Nephron Number, Hypertension, Renal Disease, and Renal Failure. Journal of the American Society of Nephrology: JASN, 2005, 16, 2557-2564.	6.1	276
6	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
7	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
8	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
9	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
10	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
11	Retinal Neovascularization Is Prevented by Blockade of the Renin-Angiotensin System. Hypertension, 2000, 36, 1099-1104.	2.7	216
12	Role of microRNAs in kidney homeostasis and disease. Kidney International, 2012, 81, 617-627.	5.2	187
13	Resveratrol Inhibits Renal Fibrosis in the Obstructed Kidney. American Journal of Pathology, 2010, 177, 1065-1071.	3.8	181
14	Nephron number, glomerular volume, renal disease and hypertension. Current Opinion in Nephrology and Hypertension, 2008, 17, 258-265.	2.0	169
15	Nephron Number, Renal Function, and Arterial Pressure in Aged GDNF Heterozygous Mice. Hypertension, 2003, 41, 335-340.	2.7	159
16	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
17	Analyzing Renal Glomeruli with the New Stereology. International Review of Cytology, 1995, 161, 111-172.	6.2	143
18	Podocyte foot process broadening in experimental diabetic nephropathy: amelioration with renin-angiotensin blockade. Diabetologia, 2001, 44, 878-882.	6.3	137

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19	Glomerular number and size variability and risk for kidney disease. Current Opinion in Nephrology and Hypertension, 2011, 20, 7-15.	2.0	126
20	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
21	A high-resolution anatomical ontology of the developing murine genitourinary tract. Gene Expression Patterns, 2007, 7, 680-699.	0.8	125
22	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
23	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
24	Total numbers of glomeruli and individual glomerular cell types in the normal rat kidney. Cell and Tissue Research, 1992, 270, 37-45.	2.9	112
25	In vitro differentiation of murine embryonic stem cells toward a renal lineage. Differentiation, 2007, 75, 337-349.	1.9	111
26	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
27	Angiogenesis occurs by vessel elongation in proliferative phase human endometrium. Human Reproduction, 2002, 17, 1199-1206.	0.9	107
28	Compensatory Renal Growth after Unilateral Nephrectomy in the Ovine Fetus. Journal of the American Society of Nephrology: JASN, 2002, 13, 406-410.	6.1	107
29	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
30	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
31	The Contribution of Bone Marrow-Derived Cells to the Development of Renal Interstitial Fibrosis. Stem Cells, 2007, 25, 697-706.	3.2	103
32	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
33	Determinants of Glomerular Volume in Different Cortical Zones of the Human Kidney. Journal of the American Society of Nephrology: JASN, 2005, 16, 3102-3109.	6.1	98
34	Development of the Human Fetal Kidney from Mid to Late Gestation in Male and Female Infants. EBioMedicine, 2018, 27, 275-283.	6.1	93
35	Glomerular Endothelial Cell Injury and Damage Precedes That of Podocytes in Adriamycin-Induced Nephropathy. PLoS ONE, 2013, 8, e55027.	2.5	92
36	Review: Endothelialâ€myofibroblast transition, a new player in diabetic renal fibrosis. Nephrology, 2010, 15, 507-512.	1.6	90

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37	An Atypical Parvovirus Drives Chronic Tubulointerstitial Nephropathy and Kidney Fibrosis. Cell, 2018, 175, 530-543.e24.	28.9	89
38	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
39	Measuring glomerular number and size in perfused kidneys using MRI. American Journal of Physiology - Renal Physiology, 2011, 300, F1454-F1457.	2.7	87
40	MRI-based glomerular morphology and pathology in whole human kidneys. American Journal of Physiology - Renal Physiology, 2014, 306, F1381-F1390.	2.7	87
41	Counting in the kidney. Kidney International, 2001, 59, 792-796.	5.2	82
42	Nephron endowment in glial cell line-derived neurotrophic factor (GDNF) heterozygous mice. Kidney International, 2001, 60, 31-36.	5.2	81
43	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
44	Hypertension, glomerular hypertrophy and nephrosclerosis: the effect of race. Nephrology Dialysis Transplantation, 2014, 29, 1399-1409.	0.7	77
45	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
46	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
47	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
48	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
49	mTOR-mediated podocyte hypertrophy regulates glomerular integrity in mice and humans. JCI Insight, 2019, 4, .	5.0	69
50	Glomerular size and glomerulosclerosis in Australian Aborigines. American Journal of Kidney Diseases, 2000, 36, 481-489.	1.9	64
51	Temporal and spatial transcriptional programs in murine kidney development. Physiological Genomics, 2005, 23, 159-171.	2.3	64
52	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
53	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
54	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

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55	Copy-number variation associated with congenital anomalies of the kidney and urinary tract. Pediatric Nephrology, 2015, 30, 487-495.	1.7	61
56	Podocyte Number in Children and Adults. Journal of the American Society of Nephrology: JASN, 2015, 26, 2277-2288.	6.1	61
57	Characterization of an animal model of hepatic metastasis. Journal of Gastroenterology and Hepatology (Australia), 1996, 11, 26-32.	2.8	59
58	Expression and localization of fibroblast growth factors and fibroblast growth factor receptors in the developing rat kidney. Kidney International, 1999, 56, 2025-2039.	5.2	59
59	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
60	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
61	New insights on glomerular hyperfiltration: a Japanese autopsy study. JCI Insight, 2017, 2, .	5.0	57
62	Fibroblast growth factor receptors and their ligands in the adult rat kidney. Kidney International, 2001, 60, 147-155.	5.2	56
63	Altered Ureteric Branching Morphogenesis and Nephron Endowment in Offspring of Diabetic and Insulin-Treated Pregnancy. PLoS ONE, 2013, 8, e58243.	2.5	55
64	Human podocyte depletion in association with older age and hypertension. American Journal of Physiology - Renal Physiology, 2016, 310, F656-F668.	2.7	55
65	Renal biopsy findings among Indigenous Australians: a nationwide review. Kidney International, 2012, 82, 1321-1331.	5.2	52
66	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
67	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
68	Reactive oxygen species in puromycin aminonucleoside nephrosis: In vitro studies. Kidney International, 1994, 45, 1057-1069.	5.2	50
69	Does a Nephron Deficit in Rats Predispose to Salt-Sensitive Hypertension?. Kidney and Blood Pressure Research, 2004, 27, 239-247.	2.0	50
70	The Where, What and Why of the Developing Renal Stroma. Nephron Experimental Nephrology, 2005, 99, e1-e8.	2.2	49
71	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
72	Glomerular size and glomerulosclerosis: Relationships to disease categories, glomerular solidification, and ischemic obsolescence. American Journal of Kidney Diseases, 2002, 39, 679-688.	1.9	48

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73	Is there an association between level of adult blood pressure and nephron number or renal filtration surface area?. Kidney International, 2004, 65, 582-588.	5.2	48
74	White adipocytes: More than just fat depots. International Journal of Biochemistry and Cell Biology, 2012, 44, 435-440.	2.8	47
75	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
76	CKD in Aboriginal Australians. American Journal of Kidney Diseases, 2010, 56, 983-993.	1.9	44
77	The emerging role of MRI in quantitative renal glomerular morphology. American Journal of Physiology - Renal Physiology, 2013, 304, F1252-F1257.	2.7	44
78	In vitro studies on the roles of transforming growth factor-Î²1 in rat metanephric development. Kidney International, 2001, 59, 1641-1653.	5.2	43
79	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
80	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
81	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
82	Estimating individual glomerular volume in the human kidney: clinical perspectives. Nephrology Dialysis Transplantation, 2012, 27, 1880-1888.	0.7	42
83	Nephron endowment and blood pressure: What do we really know?. Current Hypertension Reports, 2004, 6, 133-139.	3.5	39
84	Augmented and Accelerated Nephrogenesis in TGF-Î²2 Heterozygous Mutant Mice. Pediatric Research, 2008, 63, 607-612.	2.3	39
85	Smad3 deficiency protects mice from obesity-induced podocyte injury that precedes insulin resistance. Kidney International, 2015, 88, 286-298.	5.2	39
86	Smad4 promotes diabetic nephropathy by modulating glycolysis and <scp>OXPHOS</scp>. EMBO Reports, 2020, 21, e48781.	4.5	39
87	Exogenous BMP-4 amplifies asymmetric ureteric branching in the developing mouse kidney in vitro. Kidney International, 2005, 67, 420-431.	5.2	38
88	Bone morphogenetic protein signaling in the developing kidney: present and future. Differentiation, 2008, 76, 831-842.	1.9	38
89	Reduced nephron endowment due to fetal uninephrectomy impairs renal sodium handling in male sheep. Clinical Science, 2010, 118, 669-680.	4.3	38
90	Spatial gene expression in the T-stage mouse metanephros. Gene Expression Patterns, 2006, 6, 807-825.	0.8	37

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91	Nephron number and individual glomerular volumes in male Caucasian and African American subjects. Nephrology Dialysis Transplantation, 2009, 24, 2428-2433.	0.7	37
92	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
93	Angiotensin II induces cardiovascular hypertrophy in perindopril-treated rats. Journal of Hypertension, 1995, 13, 683-692.	0.5	36
94	Renal pathology, glomerular number and volume in a West African urban community. Nephrology Dialysis Transplantation, 2008, 23, 2576-2585.	0.7	36
95	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
96	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
97	Enalapril Does Not Prevent Renal Arterial Hypertrophy in Spontaneously Hypertensive Rats. Hypertension, 1995, 25, 335-342.	2.7	36
98	Correlations between pharmacological responses and structure of human lung parenchyma strips. British Journal of Pharmacology, 1983, 80, 107-114.	5.4	35
99	Molecular regulation of nephron endowment. American Journal of Physiology - Renal Physiology, 1999, 276, F485-F497.	2.7	35
100	Estimation of Glomerular Podocyte Number. Journal of the American Society of Nephrology: JASN, 2013, 24, 1193-1202.	6.1	35
101	Why and how we determine nephron number. Pediatric Nephrology, 2014, 29, 575-580.	1.7	35
102	Novel 3D analysis using optical tissue clearing documents the evolution of murine rapidly progressive glomerulonephritis. Kidney International, 2019, 96, 505-516.	5.2	35
103	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
104	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
105	Threeâ€Dimensional Printing of Archived Human Fetal Material for Teaching Purposes. Anatomical Sciences Education, 2019, 12, 90-96.	3.7	33
106	Glomerulomegaly in Australian Aborigines. Nephrology, 1998, 4, S46-S53.	1.6	32
107	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
108	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

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109	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
110	Efficient Small Blob Detection Based on Local Convexity, Intensity and Shape Information. IEEE Transactions on Medical Imaging, 2016, 35, 1127-1137.	8.9	32
111	Does nephron number matter in the development of kidney disease?. Ethnicity and Disease, 2006, 16, S2-40-5.	2.3	32
112	Deletion of Frs2Î± from the ureteric epithelium causes renal hypoplasia. American Journal of Physiology - Renal Physiology, 2009, 297, F1208-F1219.	2.7	31
113	Kidney disease in children: latest advances and remaining challenges. Nature Reviews Nephrology, 2016, 12, 182-191.	9.6	31
114	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
115	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
116	Towards a definition of glomerulomegaly: clinical-pathological and methodological considerations. Nephrology Dialysis Transplantation, 2011, 26, 2202-2208.	0.7	30
117	Biopsy-based estimation of total nephron number in Japanese living kidney donors. Clinical and Experimental Nephrology, 2019, 23, 629-637.	1.6	30
118	BMPs and BMP receptors in mouse metanephric development: in vivo and in vitro studies. International Journal of Developmental Biology, 2002, 46, 525-33.	0.6	30
119	Antigen-induced airway inflammation in the Brown Norway rat results in airway smooth muscle hyperplasia. Journal of Applied Physiology, 2002, 93, 1833-1840.	2.5	29
120	Counting glomeruli and podocytes. Current Opinion in Nephrology and Hypertension, 2015, 24, 1.	2.0	29
121	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. The Anatomical Record, 1991, 231, 416-424.	1.8	28
122	Expression of Bone Morphogenetic Protein Receptors in the Developing Mouse Metanephros. Nephron Experimental Nephrology, 2001, 9, 372-379.	2.2	28
123	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
124	Correlation of histopathological features and renal impairment in autosomal dominant Alport syndrome in Bull terriers. Nephrology Dialysis Transplantation, 2002, 17, 1897-1908.	0.7	27
125	Resolvin D1 Protects Podocytes in Adriamycin-Induced Nephropathy through Modulation of 14-3-3Î² Acetylation. PLoS ONE, 2013, 8, e67471.	2.5	27
126	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

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127	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
128	Estimating Nephron Number in the Developing Kidney Using the Physical Disector/Fractionator Combination. Methods in Molecular Biology, 2012, 886, 109-119.	0.9	25
129	Betaglycan Is Required for the Establishment of Nephron Endowment in the Mouse. PLoS ONE, 2011, 6, e18723.	2.5	25
130	Kidney Development: Core Curriculum 2011. American Journal of Kidney Diseases, 2011, 57, 948-958.	1.9	24
131	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
132	Low-dose maternal alcohol consumption: effects in the hearts of offspring in early life and adulthood. Physiological Reports, 2014, 2, e12087.	1.7	24
133	Influence of tissue composition on the final volume of rat liver blocks prepared for electron microscopy. Journal of Electron Microscopy Technique, 1986, 4, 303-314.	1.1	23
134	Biphasic glomerular hypertrophy in rats administered puromycin aminonucleoside. Kidney International, 1996, 50, 768-775.	5.2	23
135	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
136	Expression of fibroblast growth factors and their receptors in rat glomeruli. Kidney International, 1997, 51, 1729-1738.	5.2	22
137	Nephron number and blood pressure in rat offspring with maternal high-protein diet. Pediatric Nephrology, 2002, 17, 1000-1004.	1.7	22
138	Expression Patterns and Roles of Periostin During Kidney and Ureter Development. Journal of Urology, 2011, 186, 1537-1544.	0.4	22
139	NEPHRON NUMBER IN THE OFFSPRING OF RATS FED A LOW PROTEIN DIET DURING PREGNANCY. Image Analysis and Stereology, 2000, 19, 219.	0.9	22
140	The lung parenchyma strip. Trends in Pharmacological Sciences, 1984, 5, 7-9.	8.7	21
141	Counting cells with the new stereology. Trends in Cell Biology, 1992, 2, 177-180.	7.9	21
142	Ureteric branching morphogenesis in BMP4 heterozygous mutant mice. Journal of Anatomy, 2006, 209, 745-755.	1.5	21
143	Estimation of nephron number in living humans by combining unenhanced computed tomography with biopsy-based stereology. Scientific Reports, 2019, 9, 14400.	3.3	21
144	Clearly imaging and quantifying the kidney in 3D. Kidney International, 2021, 100, 780-786.	5.2	21

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145	Tamoxifen inhibits colorectal cancer metastases in the liver: A study in a murine model. Journal of Gastroenterology and Hepatology (Australia), 1998, 13, 521-527.	2.8	20
146	Maternal low protein diet programmes low ovarian reserve in offspring. Reproduction, 2018, 156, 299â€“311.	2.6	20
147	Light-microscopic immunolocalization of fibroblast growth factor-1 and -2 in adult rat kidney. Cell and Tissue Research, 1996, 285, 179-187.	2.9	19
148	High nephron endowment protects against salt-induced hypertension. American Journal of Physiology - Renal Physiology, 2012, 303, F253-F258.	2.7	19
149	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
150	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
151	Effect of angiotensin-converting enzyme inhibition on renal filtration surface area in hypertensive rats. Kidney International, 2001, 60, 1837-1843.	5.2	18
152	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
153	Design-based stereological methods for estimating numbers of glomerular podocytes. Annals of Anatomy, 2014, 196, 48-56.	1.9	18
154	Congenital anomalies of the kidney and urinary tract genetics in mice and men. Nephrology, 2015, 20, 309-311.	1.6	18
155	The Smad3/Smad4/CDK9 complex promotes renal fibrosis in mice with unilateral ureteral obstruction. Kidney International, 2015, 88, 1323-1335.	5.2	18
156	Quantifying podocyte depletion: theoretical and practical considerations. Cell and Tissue Research, 2017, 369, 229-236.	2.9	18
157	Quantitative analysis of the developing rat kidney: Absolute and relative volumes and growth curves. The Anatomical Record, 2000, 258, 128-135.	1.8	17
158	Renal vascular resistance properties and glomerular protection in early established SHR hypertension. Journal of Hypertension, 2001, 19, 1505-1512.	0.5	17
159	Maternal Fat Feeding Augments Offspring Nephron Endowment in Mice. PLoS ONE, 2016, 11, e0161578.	2.5	17
160	Studies on the effects of gentamicin on rat metanephric development in vitro. Nephrology, 2000, 5, 115-123.	1.6	16
161	Quantitative analysis of the developing rat kidney: Absolute and relative volumes and growth curves. The Anatomical Record, 2000, 258, 128.	1.8	16
162	In vitro effects of puromycin aminonucleoside on the ultrastructure of rat glomerular podocytes. Cell and Tissue Research, 1990, 260, 555-563.	2.9	15

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163	Advances in renal development. Current Opinion in Nephrology and Hypertension, 2000, 9, 247-251.	2.0	15
164	Effect of angiotensin-converting enzyme inhibition on myocardial vascularization in the adolescent and adult spontaneously hypertensive rat. Journal of Hypertension, 2001, 19, 785-794.	0.5	15
165	Riboregulators in kidney development and function. Biochimie, 2010, 92, 217-225.	2.6	15
166	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
167	ESTIMATING TOTAL GLOMERULAR NUMBER IN HUMAN KIDNEYS WITH A PHYSICAL DISECTOR/FRACTIONATOR COMBINATION. Image Analysis and Stereology, 2000, 19, 105.	0.9	15
168	Nephron Endowment and Renal Filtration Surface Area in Young Spontaneously Hypertensive Rats. Kidney and Blood Pressure Research, 2002, 25, 20-26.	2.0	14
169	Organisation of Bone Morphogenetic Proteins in Renal Development. Nephron Experimental Nephrology, 2003, 93, e18-e22.	2.2	14
170	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
171	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
172	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
173	APOL1 Risk Variants Independently Associated With Early Cardiovascular Disease Death. Kidney International Reports, 2018, 3, 89-98.	0.8	14
174	Quantitation of 3D ureteric branching morphogenesis in cultured embryonic mouse kidney. International Journal of Developmental Biology, 2002, 46, 1049-55.	0.6	14
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