Olivier Devuyst

List of Publications by Year
in descending order

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193 papers	17,064 citations	17440 63 h-index	16650 123 g-index
204 all docs	204 docs citations	204 times ranked	18334 citing authors

#	Article	IF	Citations
1	Tolvaptan in Patients with Autosomal Dominant Polycystic Kidney Disease. New England Journal of Medicine, 2012, 367, 2407-2418.	27.0	1,267
2	Evolving importance of kidney disease: from subspecialty to global health burden. Lancet, The, 2013, 382, 158-169.	13.7	874
3	Genome-wide association analyses identify 18 new loci associated with serum urate concentrations. Nature Genetics, 2013, 45, 145-154.	21.4	675
4	Mice that Lack Endothelial Nitric Oxide Synthase Are Protected against Functional and Structural Modifications Induced by Acute Peritonitis. Journal of the American Society of Nephrology: JASN, 2003, 14, 3205-3216.	6.1	573
5	A catalog of genetic loci associated with kidney function from analyses of a million individuals. Nature Genetics, 2019, 51, 957-972.	21.4	549
6	Tolvaptan in Later-Stage Autosomal Dominant Polycystic Kidney Disease. New England Journal of Medicine, 2017, 377, 1930-1942.	27.0	420
7	Genetic associations at 53 loci highlight cell types and biological pathways relevant for kidney function. Nature Communications, 2016, 7, 10023.	12.8	412
8	The Current State of Peritoneal Dialysis. Journal of the American Society of Nephrology: JASN, 2016, 27, 3238-3252.	6.1	366
9	Common noncoding UMOD gene variants induce salt-sensitive hypertension and kidney damage by increasing uromodulin expression. Nature Medicine, 2013, 19, 1655-1660.	30.7	317
10	Factors influencing success of clinical genome sequencing across a broad spectrum of disorders. Nature Genetics, 2015, 47, 717-726.	21.4	310
11	Loss of chloride channel ClC-5 impairs endocytosis by defective trafficking of megalin and cubilin in kidney proximal tubules. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 8472-8477.	7.1	290
12	Autosomal dominant tubulointerstitial kidney disease: diagnosis, classification, and managementâ€”A KDIGO consensus report. Kidney International, 2015, 88, 676-683.	5.2	276
13	Mice lacking renal chloride channel, CLC-5, are a model for Dent's disease, a nephrolithiasis disorder associated with defective receptor-mediated endocytosis. Human Molecular Genetics, 2000, 9, 2937-2945.	2.9	273
14	Cubilin Is Essential for Albumin Reabsorption in the Renal Proximal Tubule. Journal of the American Society of Nephrology: JASN, 2010, 21, 1859-1867.	6.1	254
15	Target genes, variants, tissues and transcriptional pathways influencing human serum urate levels. Nature Genetics, 2019, 51, 1459-1474.	21.4	251
16	Genetic loci influencing kidney function and chronic kidney disease. Nature Genetics, 2010, 42, 373-375.	21.4	246
17	Gitelman syndrome: consensus and guidance from a Kidney Disease: Improving Global Outcomes (KDIGO) Controversies Conference. Kidney International, 2017, 91, 24-33.	5.2	230
18	Autosomal dominant polycystic kidney disease: the changing face of clinical management. Lancet, The, 2015, 385, 1993-2002.	13.7	227

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19	The Pathophysiology of the Peritoneal Membrane. Journal of the American Society of Nephrology: JASN, 2010, 21, 1077-1085.	6.1	221
20	Uromodulin: from physiology to rare and complex kidney disorders. Nature Reviews Nephrology, 2017, 13, 525-544.	9.6	220
21	CUBN Is a Gene Locus for Albuminuria. Journal of the American Society of Nephrology: JASN, 2011, 22, 555-570.	6.1	208
22	Recommendations for the use of tolvaptan in autosomal dominant polycystic kidney disease: a position statement on behalf of the ERA-EDTA Working Groups on Inherited Kidney Disorders and European Renal Best Practice. Nephrology Dialysis Transplantation, 2016, 31, 337-348.	0.7	206
23	A Cluster of Mutations in the UMOD Gene Causes Familial Juvenile Hyperuricemic Nephropathy with Abnormal Expression of Uromodulin. Journal of the American Society of Nephrology: JASN, 2003, 14, 2883-2893.	6.1	201
24	Rare inherited kidney diseases: challenges, opportunities, and perspectives. Lancet, The, 2014, 383, 1844-1859.	13.7	194
25	Spectrum of Mutations in Gitelman Syndrome. Journal of the American Society of Nephrology: JASN, 2011, 22, 693-703.	6.1	190
26	CNNM2, Encoding a Basolateral Protein Required for Renal Mg2+ Handling, Is Mutated in Dominant Hypomagnesemia. American Journal of Human Genetics, 2011, 88, 333-343.	6.2	184
27	Dent's disease. Orphanet Journal of Rare Diseases, 2010, 5, 28.	2.7	181
28	SARS-CoV-2 causes a specific dysfunction of the kidney proximal tubule. Kidney International, 2020, 98, 1296-1307.	5.2	173
29	Diagnosis, management, and prognosis of HNF1B nephropathy in adulthood. Kidney International, 2011, 80, 768-776.	5.2	154
30	Autophagosomeâ€“lysosome fusion triggers a lysosomal response mediated by TLR9 and controlled by OCRL. Nature Cell Biology, 2016, 18, 839-850.	10.3	140
31	Transcriptional and Functional Analyses of SLC12A3 Mutations. Journal of the American Society of Nephrology: JASN, 2007, 18, 1271-1283.	6.1	139
32	Autosomal dominant tubulointerstitial kidney disease. Nature Reviews Disease Primers, 2019, 5, 60.	30.5	139
33	A primary culture of mouse proximal tubular cells, established on collagen-coated membranes. American Journal of Physiology - Renal Physiology, 2007, 293, F476-F485.	2.7	138
34	Genome-wide association meta-analyses and fine-mapping elucidate pathways influencing albuminuria. Nature Communications, 2019, 10, 4130.	12.8	133
35	Genome-wide Association Studies Identify Genetic Loci Associated With Albuminuria in Diabetes. Diabetes, 2016, 65, 803-817.	0.6	131
36	Multicenter, open-label, extension trial to evaluate the long-term efficacy and safety of early versus delayed treatment with tolvaptan in autosomal dominant polycystic kidney disease: the TEMPO 4:4 Trial. Nephrology Dialysis Transplantation, 2018, 33, 477-489.	0.7	119

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37	Rationale and Design of the TEMPO (Tolvaptan Efficacy and Safety in Management of Autosomal) Tj ETQq1 1 0.784314 rgBT /Overloc 2011, 57, 692-699.	1.9	115
38	Impaired autophagy bridges lysosomal storage disease and epithelial dysfunction in the kidney. Nature Communications, 2018, 9, 161.	12.8	114
39	Phenotype and Outcome in Hereditary Tubulointerstitial Nephritis Secondary to UMOD Mutations. Clinical Journal of the American Society of Nephrology: CJASN, 2011, 6, 2429-2438.	4.5	109
40	The 5-phosphatase OCRL in Lowe syndrome and Dent disease 2. Nature Reviews Nephrology, 2017, 13, 455-470.	9.6	106
41	The Hypertension Pandemic: An Evolutionary Perspective. Physiology, 2017, 32, 112-125.	3.1	102
42	Endocytosis provides a major alternative pathway for lysosomal biogenesis in kidney proximal tubular cells. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 5407-5412.	7.1	97
43	Uromodulin is expressed in the distal convoluted tubule, where it is critical for regulation of the sodium chloride cotransporter NCC. Kidney International, 2018, 94, 701-715.	5.2	94
44	The serine protease hepsin mediates urinary secretion and polymerisation of Zona Pellucida domain protein uromodulin. ELife, 2015, 4, e08887.	6.0	92
45	ZONAB Promotes Proliferation and Represses Differentiation of Proximal Tubule Epithelial Cells. Journal of the American Society of Nephrology: JASN, 2010, 21, 478-488.	6.1	91
46	Cystic Fibrosis Is Associated with a Defect in Apical Receptorâ€“Mediated Endocytosis in Mouse and Human Kidney. Journal of the American Society of Nephrology: JASN, 2007, 18, 707-718.	6.1	87
47	Associations of Urinary Uromodulin with Clinical Characteristics and Markers of Tubular Function in the General Population. Clinical Journal of the American Society of Nephrology: CJASN, 2016, 11, 70-80.	4.5	87
48	A transgenic mouse model for uromodulin-associated kidney diseases shows specific tubulo-interstitial damage, urinary concentrating defect and renal failure. Human Molecular Genetics, 2010, 19, 2998-3010.	2.9	86
49	Common Variants in UMOD Associate with Urinary Uromodulin Levels. Journal of the American Society of Nephrology: JASN, 2014, 25, 1869-1882.	6.1	85
50	Renal expression of parvalbumin is critical for NaCl handling and response to diuretics. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 14849-14854.	7.1	84
51	Interstitial Fibrosis Restricts Osmotic Water Transport in Encapsulating Peritoneal Sclerosis. Journal of the American Society of Nephrology: JASN, 2015, 26, 2521-2533.	6.1	84
52	Architecture and function of human uromodulin filaments in urinary tract infections. Science, 2020, 369, 1005-1010.	12.6	81
53	Water transport across the peritoneal membrane. Kidney International, 2014, 85, 750-758.	5.2	78
54	Determination of uromodulin in human urine: influence of storage and processing. Nephrology Dialysis Transplantation, 2014, 29, 136-145.	0.7	78

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55	Urine Osmolality, Response to Tolvaptan, and Outcome in Autosomal Dominant Polycystic Kidney Disease: Results from the TEMPO 3:4 Trial. Journal of the American Society of Nephrology: JASN, 2017, 28, 1592-1602.	6.1	78
56	Simultaneous sequencing of 37 genes identified causative mutations in the majority of children with renal tubulopathies. Kidney International, 2018, 93, 961-967.	5.2	77
57	Altered polarity and expression of H+-ATPase without ultrastructural changes in kidneys of Dent's disease patients. Kidney International, 2003, 63, 1285-1295.	5.2	76
58	Morphological and functional changes in the dialysed peritoneal cavity: impact of more biocompatible solutions. Nephrology Dialysis Transplantation, 2002, 17, 12-15.	0.7	75
59	Multiplex epithelium dysfunction due to CLDN10 mutation: the HELIX syndrome. Genetics in Medicine, 2018, 20, 190-201.	2.4	75
60	Clinical and genetic spectra of autosomal dominant tubulointerstitial kidney disease due to mutationsÂin UMOD and MUC1. Kidney International, 2020, 98, 717-731.	5.2	75
61	Combined Structural and Functional Imaging of the Kidney Reveals Major Axial Differences in Proximal Tubule Endocytosis. Journal of the American Society of Nephrology: JASN, 2018, 29, 2696-2712.	6.1	73
62	Observations of a large Dent disease cohort. Kidney International, 2016, 90, 430-439.	5.2	71
63	Dedifferentiation and aberrations of the endolysosomal compartment characterize the early stage of nephropathic cystinosis. Human Molecular Genetics, 2014, 23, 2266-2278.	2.9	66
64	Mutation Update of theCLCN5Gene Responsible for Dent Disease 1. Human Mutation, 2015, 36, 743-752.	2.5	66
65	Renal transplantation in autosomal dominant polycystic kidney disease. Nature Reviews Nephrology, 2014, 10, 455-465.	9.6	65
66	Critical Role of Aquaporins in Interleukin 1Î² (IL-1Î²)-induced Inflammation. Journal of Biological Chemistry, 2014, 289, 13937-13947.	3.4	65
67	Prevalence of Hypertension in Children with Early-Stage ADPKD. Clinical Journal of the American Society of Nephrology: CJASN, 2018, 13, 874-883.	4.5	65
68	Impaired mitophagy links mitochondrial disease to epithelial stress in methylmalonyl-CoA mutase deficiency. Nature Communications, 2020, 11, 970.	12.8	65
69	PKD1 Haploinsufficiency Causes a Syndrome of Inappropriate Antidiuresis in Mice. Journal of the American Society of Nephrology: JASN, 2007, 18, 1740-1753.	6.1	63
70	Osmoregulation, vasopressin, and cAMP signaling in autosomal dominant polycystic kidney disease. Current Opinion in Nephrology and Hypertension, 2013, 22, 459-470.	2.0	63
71	Proteomic and transcriptomic profiling reveal different aspects of aging in the kidney. ELife, 2021, 10, .	6.0	62
72	Learning Physiology from Inherited Kidney Disorders. Physiological Reviews, 2019, 99, 1575-1653.	28.8	60

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73	Autosomal dominant polycystic kidney disease is associated with central and nephrogenic defects in osmoregulation. Kidney International, 2012, 82, 1121-1129.	5.2	57
74	CLC-5 and KIF3B interact to facilitate CLC-5 plasma membrane expression, endocytosis, and microtubular transport: relevance to pathophysiology of Dent's disease. American Journal of Physiology - Renal Physiology, 2010, 298, F365-F380.	2.7	56
75	Uromodulin: Roles in Health and Disease. Annual Review of Physiology, 2021, 83, 477-501.	13.1	56
76	The UMOD Locus: Insights into the Pathogenesis and Prognosis of Kidney Disease. Journal of the American Society of Nephrology: JASN, 2018, 29, 713-726.	6.1	54
77	AqF026 Is a Pharmacologic Agonist of the Water Channel Aquaporin-1. Journal of the American Society of Nephrology: JASN, 2013, 24, 1045-1052.	6.1	52
78	Impaired Lysosomal Function Underlies Monoclonal Light Chainâ€“Associated Renal Fanconi Syndrome. Journal of the American Society of Nephrology: JASN, 2016, 27, 2049-2061.	6.1	52
79	Recurrent FXYD2 p.Gly41Arg mutation in patients with isolated dominant hypomagnesaemia. Nephrology Dialysis Transplantation, 2015, 30, 952-957.	0.7	51
80	Fibroblast growth factor 23 and markers of mineral metabolism in individuals with preserved renalÂfunction. Kidney International, 2016, 90, 648-657.	5.2	51
81	Plasma copeptin levels predict disease progression and tolvaptan efficacy in autosomal dominant polycystic kidney disease. Kidney International, 2019, 96, 159-169.	5.2	51
82	Toward Understanding Renal Fanconi Syndrome: Step by Step Advances through Experimental Models. Contributions To Nephrology, 2011, 169, 247-261.	1.1	49
83	Copeptin Is Associated with Kidney Length, Renal Function, and Prevalence of Simple Cysts in a Population-Based Study. Journal of the American Society of Nephrology: JASN, 2015, 26, 1415-1425.	6.1	48
84	Multicenter, open-label, extension trial to evaluate the long-term efficacy and safety of early versus delayed treatment with tolvaptan in autosomal dominant polycystic kidney disease: the TEMPO 4:4 Trial. Nephrology Dialysis Transplantation, 2017, 32, 1262-1262.	0.7	47
85	Mechanisms of Crystalloid versus Colloid Osmosis across the Peritoneal Membrane. Journal of the American Society of Nephrology: JASN, 2018, 29, 1875-1886.	6.1	47
86	Albuminuria and tolvaptan in autosomal-dominant polycystic kidney disease: results of the TEMPO 3:4 Trial. Nephrology Dialysis Transplantation, 2016, 31, 1887-1894.	0.7	46
87	Suppression of microRNA Activity in Kidney Collecting Ducts Induces Partial Loss of Epithelial Phenotype and Renal Fibrosis. Journal of the American Society of Nephrology: JASN, 2018, 29, 518-531.	6.1	46
88	Defects in KCNJ16 Cause a Novel Tubulopathy with Hypokalemia, Salt Wasting, Disturbed Acid-Base Homeostasis, and Sensorineural Deafness. Journal of the American Society of Nephrology: JASN, 2021, 32, 1498-1512.	6.1	46
89	Genetics in chronic kidney disease: conclusions from a Kidney Disease: Improving Global Outcomes (KDIGO) Controversies Conference. Kidney International, 2022, 101, 1126-1141.	5.2	46
90	Aquaporin-1 and endothelial nitric oxide synthase expression in capillary endothelia of human peritoneum. American Journal of Physiology - Heart and Circulatory Physiology, 1998, 275, H234-H242.	3.2	44

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91	Uromodulin and Nephron Mass. Clinical Journal of the American Society of Nephrology: CJASN, 2018, 13, 1556-1557.	4.5	44
92	An update on the use of tolvaptan for autosomal dominant polycystic kidney disease: consensus statement on behalf of the ERA Working Group on Inherited Kidney Disorders, the European Rare Kidney Disease Reference Network and Polycystic Kidney Disease International. Nephrology Dialysis Transplantation, 2022, 37, 825-839.	0.7	44
93	Hepsin-mediated Processing of Uromodulin is Crucial for Salt-sensitivity and Thick Ascending Limb Homeostasis. Scientific Reports, 2019, 9, 12287.	3.3	41
94	OCRL deficiency impairs endolysosomal function in a humanized mouse model for Lowe syndrome and Dent disease. Human Molecular Genetics, 2019, 28, 1931-1946.	2.9	41
95	CF Gene and Cystic Fibrosis Transmembrane Conductance Regulator Expression in Autosomal Dominant Polycystic Kidney Disease. Journal of the American Society of Nephrology: JASN, 2000, 11, 2285-2296.	6.1	41
96	Common Elements in Rare Kidney Diseases: Conclusions from a Kidney Disease: Improving Global Outcomes (KDIGO) Controversies Conference. Kidney International, 2017, 92, 796-808.	5.2	40
97	Chloride transporters and receptorâ€mediated endocytosis in the renal proximal tubule. Journal of Physiology, 2015, 593, 4151-4164.	2.9	39
98	SOS2 and ACP1 Loci Identified through Large-Scale Exome Chip Analysis Regulate Kidney Development and Function. Journal of the American Society of Nephrology: JASN, 2017, 28, 981-994.	6.1	39
99	Inhibition of aquaporin-1 prevents myocardial remodeling by blocking the transmembrane transport of hydrogen peroxide. Science Translational Medicine, 2020, 12, .	12.4	39
100	Functional and molecular characterization of a peritoneal dialysis model in the C57BL/6J mouse. Kidney International, 2005, 67, 2021-2031.	5.2	37
101	Prognostic Enrichment Design in Clinical Trials for Autosomal Dominant Polycystic Kidney Disease: The TEMPO 3:4 Clinical Trial. Kidney International Reports, 2016, 1, 213-220.	0.8	37
102	The Uromodulin Gene Locus Shows Evidence of Pathogen Adaptation through Human Evolution. Journal of the American Society of Nephrology: JASN, 2016, 27, 2983-2996.	6.1	37
103	Tolvaptan and Kidney Pain in Patients With Autosomal DominantÂPolycystic Kidney Disease: Secondary Analysis FromÂa Randomized Controlled Trial. American Journal of Kidney Diseases, 2017, 69, 210-219.	1.9	37
104	Resistance to Insulin in Patients with Gitelman Syndrome and a Subtle Intermediate Phenotype in Heterozygous Carriers: A Cross-Sectional Study. Journal of the American Society of Nephrology: JASN, 2019, 30, 1534-1545.	6.1	36
105	High-throughput sequencing contributes to the diagnosis of tubulopathies and familial hypercalcemia hypocalciuria in adults. Kidney International, 2019, 96, 1408-1416.	5.2	36
106	CFTR and defective endocytosis: new insights in the renal phenotype of cystic fibrosis. Pflugers Archiv European Journal of Physiology, 2009, 457, 1227-1236.	2.8	35
107	Novel Mouse Models of Methylmalonic Aciduria Recapitulate Phenotypic Traits with a Genetic Dosage Effect. Journal of Biological Chemistry, 2016, 291, 20563-20573.	3.4	35
108	Tolerability of Aquaretic-Related Symptoms Following Tolvaptan for Autosomal Dominant Polycystic Kidney Disease: Results From TEMPO 3:4. Kidney International Reports, 2017, 2, 1132-1140.	0.8	35

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109	Mouse model for inherited renal fibrosis associated with endoplasmic reticulum stress. DMM Disease Models and Mechanisms, 2017, 10, 773-786.	2.4	34
110	Genome-Wide Meta-Analysis Unravels Interactions between Magnesium Homeostasis and Metabolic Phenotypes. Journal of the American Society of Nephrology: JASN, 2018, 29, 335-348.	6.1	34
111	AQP1 Promoter Variant, Water Transport, and Outcomes in Peritoneal Dialysis. New England Journal of Medicine, 2021, 385, 1570-1580.	27.0	34
112	Clinical, Genetic, and Urinary Factors Associated with Uromodulin Excretion. Clinical Journal of the American Society of Nephrology: CJASN, 2016, 11, 62-69.	4.5	33
113	Basolateral chloride transporters in autosomal dominant polycystic kidney disease. Pflugers Archiv European Journal of Physiology, 2002, 444, 722-731.	2.8	31
114	Can we further enrich autosomal dominant polycystic kidney disease clinical trials for rapidly progressive patients? Application of the PROPKD score in the TEMPO trial. Nephrology Dialysis Transplantation, 2018, 33, 645-652.	0.7	31
115	An international cohort study spanning five decades assessed outcomes of nephropathic cystinosis. Kidney International, 2021, 100, 1112-1123.	5.2	31
116	Salt wasting and blood pressure. Nature Genetics, 2008, 40, 495-496.	21.4	29
117	Tubular proteinuria in patients with HNF1Î± mutations: HNF1Î± drives endocytosis in the proximal tubule. Kidney International, 2016, 89, 1075-1089.	5.2	29
118	Bone marrow transplantation improves proximal tubule dysfunction in a mouse model of Dent disease. Kidney International, 2017, 91, 842-855.	5.2	28
119	Common variants in CLDN14 are associated with differential excretion of magnesium over calcium in urine. Pflugers Archiv European Journal of Physiology, 2017, 469, 91-103.	2.8	27
120	Multicenter Study of Long-Term Safety of Tolvaptan in Later-Stage Autosomal Dominant Polycystic Kidney Disease. Clinical Journal of the American Society of Nephrology: CJASN, 2021, 16, 48-58.	4.5	26
121	The cryo-EM structure of the human uromodulin filament core reveals a unique assembly mechanism. ELife, 2020, 9, .	6.0	26
122	A Protein Kinase Aâ€“Independent Pathway Controlling Aquaporin 2 Trafficking as a Possible Cause for the Syndrome of Inappropriate Antidiuresis Associated with Polycystic Kidney Disease 1 Haploinsufficiency. Journal of the American Society of Nephrology: JASN, 2014, 25, 2241-2253.	6.1	25
123	A primary culture system of mouse thick ascending limb cells with preserved function and uromodulin processing. Pflugers Archiv European Journal of Physiology, 2014, 466, 343-356.	2.8	24
124	Uromodulin, kidney function, cardiovascular disease, and mortality. Kidney International, 2015, 88, 944-946.	5.2	24
125	Paradoxical response to furosemide in uromodulin-associated kidney disease. Nephrology Dialysis Transplantation, 2015, 30, 330-335.	0.7	23
126	Overcoming Endocytosis Deficiency by Cubosome Nanocarriers. ACS Applied Bio Materials, 2019, 2, 2490-2499.	4.6	23

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127	The Antioxidative Role of Cytoglobin in Podocytes: Implications for a Role in Chronic Kidney Disease. Antioxidants and Redox Signaling, 2020, 32, 1155-1171.	5.4	23
128	A Novel Splicing Mutation in SLC12A3 Associated With Gitelman Syndrome and Idiopathic Intracranial Hypertension. American Journal of Kidney Diseases, 2006, 48, e73-e79.	1.9	22
129	Estimated 24-h urinary sodium and sodium-to-potassium ratio are predictors of kidney function decline in a population-based study. Journal of Hypertension, 2019, 37, 1853-1860.	0.5	22
130	Evaluating PVALB as a candidate gene for SLC12A3-negative cases of Gitelman's syndrome. Nephrology Dialysis Transplantation, 2008, 23, 3120-3125.	0.7	21
131	TRPV4 is associated with central rather than nephrogenic osmoregulation. Pflugers Archiv European Journal of Physiology, 2016, 468, 1595-1607.	2.8	21
132	The Urinary Excretion of Uromodulin is Regulated by the Potassium Channel ROMK. Scientific Reports, 2019, 9, 19517.	3.3	21
133	A population-based approach to assess the heritability and distribution of renal handling of electrolytes. Kidney International, 2017, 92, 1536-1543.	5.2	20
134	NRF2 regulates the glutamine transporter Slc38a3 (SNAT3) in kidney in response to metabolic acidosis. Scientific Reports, 2018, 8, 5629.	3.3	20
135	The excretion of uromodulin is modulated by the calcium-sensing receptor. Kidney International, 2018, 94, 882-886.	5.2	20
136	Mendelian randomization to assess causality between uromodulin, blood pressure and chronic kidney disease. Kidney International, 2021, 100, 1282-1291.	5.2	20
137	The SAM domain of ANKS6 has different interacting partners and mutations can induce different cystic phenotypes. Kidney International, 2015, 88, 299-310.	5.2	19
138	A novel homozygous UMOD mutation reveals gene dosage effects on uromodulin processing and urinary excretion. Nephrology Dialysis Transplantation, 2017, 32, 1994-1999.	0.7	19
139	Decreased renal accumulation of aminoglycoside reflects defective receptor-mediated endocytosis in cystic fibrosis and Dentâ€™s disease. Pflugers Archiv European Journal of Physiology, 2011, 462, 851-860.	2.8	18
140	Gitelman syndrome and glomerular proteinuria: a link between loss of sodium-chloride cotransporter and podocyte dysfunction?. Nephrology Dialysis Transplantation, 2014, 29, iv117-iv120.	0.7	18
141	The Role of the Renal Ammonia Transporter Rhcg in Metabolic Responses to Dietary Protein. Journal of the American Society of Nephrology: JASN, 2014, 25, 2040-2052.	6.1	18
142	Water and solute transport across the peritoneal membrane. Current Opinion in Nephrology and Hypertension, 2015, 24, 434-443.	2.0	18
143	Defective autophagy degradation and abnormal tight junction-associated signaling drive epithelial dysfunction in cystinosis. Autophagy, 2018, 14, 1157-1159.	9.1	18
144	Cell-Based Phenotypic Drug Screening Identifies Luteolin as Candidate Therapeutic for Nephropathic Cystinosis. Journal of the American Society of Nephrology: JASN, 2020, 31, 1522-1537.	6.1	18

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145	Targeting chloride transport in autosomal dominant polycystic kidney disease. Cellular Signalling, 2020, 73, 109703.	3.6	17
146	Differential and shared genetic effects on kidney function between diabetic and non-diabetic individuals. Communications Biology, 2022, 5, .	4.4	17
147	Quantification of osmotic water transport in vivo using fluorescent albumin. American Journal of Physiology - Renal Physiology, 2014, 307, F981-F989.	2.7	16
148	TRPV4 participates in pressureâ€induced inhibition of renin secretion by juxtaglomerular cells. Journal of Physiology, 2016, 594, 7327-7340.	2.9	16
149	Transgenic zebrafish modeling low-molecular-weight proteinuria and lysosomal storage diseases. Kidney International, 2020, 97, 1150-1163.	5.2	16
150	Acute metabolic acidosis in a GLUT2-deficient patient with Fanconi-Bickel syndrome: new pathophysiology insights. Nephrology Dialysis Transplantation, 2014, 29, iv113-iv116.	0.7	15
151	Association Studies of Calcium-Sensing Receptor (CaSR) Polymorphisms with Serum Concentrations of Glucose and Phosphate, and Vascular Calcification in Renal Transplant Recipients. PLoS ONE, 2015, 10, e0119459.	2.5	15
152	Claudins: a tale of interactions in the thick ascending limb. Kidney International, 2018, 93, 535-537.	5.2	15
153	Human proximal tubule cells form functional microtissues. Pflugers Archiv European Journal of Physiology, 2016, 468, 739-750.	2.8	14
154	The phosphoinositide 3-kinase inhibitor alpelisib restores actin organization and improves proximal tubule dysfunction inÂvitro and in a mouse model of Lowe syndrome and Dent disease. Kidney International, 2020, 98, 883-896.	5.2	14
155	Meta-GWAS Reveals Novel Genetic Variants Associated with Urinary Excretion of Uromodulin. Journal of the American Society of Nephrology: JASN, 2022, 33, 511-529.	6.1	14
156	The patient with metabolic alkalosis. Acta Clinica Belgica, 2019, 74, 34-40.	1.2	13
157	Methylmalonyl acidemia: from mitochondrial metabolism to defective mitophagy and disease. Autophagy, 2020, 16, 1159-1161.	9.1	13
158	A genome-wide association study suggests correlations of common genetic variants with peritoneal solute transfer rates in patients with kidney failure receiving peritoneal dialysis. Kidney International, 2021, 100, 1101-1111.	5.2	13
159	Mechanical activation of TRPV4 channels controls albumin reabsorption by proximal tubule cells. Science Signaling, 2020, 13, .	3.6	12
160	Genome-wide studies reveal factors associated with circulating uromodulin and its relationships to complex diseases. JCI Insight, 2022, 7, .	5.0	12
161	Transepithelial chloride secretion and cystogenesis in autosomal dominant polycystic kidney disease. Nephrology Dialysis Transplantation, 2000, 15, 747-750.	0.7	11
162	Building a network of ADPKD reference centres across Europe: the EuroCYST initiative. Nephrology Dialysis Transplantation, 2014, 29, iv26-iv32.	0.7	11

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163	Uromodulin, Salt, and 24-Hour Blood Pressure in the General Population. Clinical Journal of the American Society of Nephrology: CJASN, 2021, 16, 787-789.	4.5	11
164	Blood pressure measurement in mice: tail-cuff or telemetry?. Kidney International, 2019, 96, 36.	5.2	10
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