Tobias B Huber

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

230 papers	19,855 citations	63 h-index	139 g-index
255 ext. papers	23,947 ext. citations	10.6 avg, IF	6.35 L-index

#	Paper	IF	Citations
230	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). *Autophagy*, **2016**, 12, 1-222	10.2	3838
229	Guidelines for the use and interpretation of assays for monitoring autophagy. *Autophagy*, **2012**, 8, 445-544	10.2	2783
228	Multiorgan and Renal Tropism of SARS-CoV-2. *New England Journal of Medicine*, **2020**, 383, 590-592	59.2	978
227	Mitochondrial Dynamics Controls T Cell Fate through Metabolic Programming. *Cell*, **2016**, 166, 63-76	56.2	688
226	Autophagy influences glomerular disease susceptibility and maintains podocyte homeostasis in aging mice. *Journal of Clinical Investigation*, **2010**, 120, 1084-96	15.9	484
225	Role of mTOR in podocyte function and diabetic nephropathy in humans and mice. *Journal of Clinical Investigation*, **2011**, 121, 2197-209	15.9	384
224	mTORC1 activation in podocytes is a critical step in the development of diabetic nephropathy in mice. *Journal of Clinical Investigation*, **2011**, 121, 2181-96	15.9	383
223	Nephrin and CD2AP associate with phosphoinositide 3-OH kinase and stimulate AKT-dependent signaling. *Molecular and Cellular Biology*, **2003**, 23, 4917-28	4.8	320
222	Rip1 (receptor-interacting protein kinase 1) mediates necroptosis and contributes to renal ischemia/reperfusion injury. *Kidney International*, **2012**, 81, 751-61	9.9	312
221	Interaction with podocin facilitates nephrin signaling. *Journal of Biological Chemistry*, **2001**, 276, 41543-6	5.4	254
220	Podocin and MEC-2 bind cholesterol to regulate the activity of associated ion channels. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 17079-86	11.5	225
219	CKD in diabetes: diabetic kidney disease versus nondiabetic kidney disease. *Nature Reviews Nephrology*, **2018**, 14, 361-377	14.9	203
218	Podocytes use FcRn to clear IgG from the glomerular basement membrane. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 967-72	11.5	203
217	Trafficking of TRPP2 by PACS proteins represents a novel mechanism of ion channel regulation. *EMBO Journal*, **2005**, 24, 705-16	13	200
216	Emerging role of autophagy in kidney function, diseases and aging. *Autophagy*, **2012**, 8, 1009-31	10.2	195
215	Molecular basis of the functional podocin-nephrin complex: mutations in the NPHS2 gene disrupt nephrin targeting to lipid raft microdomains. *Human Molecular Genetics*, **2003**, 12, 3397-405	5.6	190
214	Autophagy plays a critical role in kidney tubule maintenance, aging and ischemia-reperfusion injury. *Autophagy*, **2012**, 8, 826-37	10.2	184

213	NEPH1 defines a novel family of podocin interacting proteins. *FASEB Journal*, **2003**, 17, 115-7	0.9	183
212	The slit diaphragm: a signaling platform to regulate podocyte function. *Current Opinion in Nephrology and Hypertension*, **2005**, 14, 211-6	3.5	170
211	FAN1 mutations cause karyomegalic interstitial nephritis, linking chronic kidney failure to defective DNA damage repair. *Nature Genetics*, **2012**, 44, 910-5	36.3	167
210	The podocyte slit diaphragm--from a thin grey line to a complex signalling hub. *Nature Reviews Nephrology*, **2013**, 9, 587-98	14.9	160
209	Prorenin receptor is essential for podocyte autophagy and survival. *Journal of the American Society of Nephrology: JASN*, **2011**, 22, 2193-202	12.7	156
208	AKT2 is essential to maintain podocyte viability and function during chronic kidney disease. *Nature Medicine*, **2013**, 19, 1288-96	50.5	149
207	ANKS6 is a central component of a nephronophthisis module linking NEK8 to INVS and NPHP3. *Nature Genetics*, **2013**, 45, 951-6	36.3	144
206	Mitochondrial Priming by CD28. *Cell*, **2017**, 171, 385-397.e11	56.2	144
205	SARS-CoV-2 renal tropism associates with acute kidney injury. *Lancet, The*, **2020**, 396, 597-598	40	144
204	Homodimerization and heterodimerization of the glomerular podocyte proteins nephrin and NEPH1. *Journal of the American Society of Nephrology: JASN*, **2003**, 14, 918-26	12.7	142
203	Endothelial cell and podocyte autophagy synergistically protect from diabetes-induced glomerulosclerosis. *Autophagy*, **2015**, 11, 1130-45	10.2	139
202	Unraveling the role of podocyte turnover in glomerular aging and injury. *Journal of the American Society of Nephrology: JASN*, **2014**, 25, 707-16	12.7	132
201	Bigenic mouse models of focal segmental glomerulosclerosis involving pairwise interaction of CD2AP, Fyn, and synaptopodin. *Journal of Clinical Investigation*, **2006**, 116, 1337-45	15.9	123
200	Scribble participates in Hippo signaling and is required for normal zebrafish pronephros development. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 8579-84	11.5	120
199	Decoding myofibroblast origins in human kidney fibrosis. *Nature*, **2021**, 589, 281-286	50.4	113
198	mTOR and rapamycin in the kidney: signaling and therapeutic implications beyond immunosuppression. *Kidney International*, **2011**, 79, 502-11	9.9	111
197	Molecular fingerprinting of the podocyte reveals novel gene and protein regulatory networks. *Kidney International*, **2013**, 83, 1052-64	9.9	109
196	CD2AP in mouse and human podocytes controls a proteolytic program that regulates cytoskeletal structure and cellular survival. *Journal of Clinical Investigation*, **2011**, 121, 3965-80	15.9	106

195	Anthracyclines induce DNA damage response-mediated protection against severe sepsis. *Immunity*, **2013**, 39, 874-84	32.3	105
194	Roles of mTOR complexes in the kidney: implications for renal disease and transplantation. *Nature Reviews Nephrology*, **2016**, 12, 587-609	14.9	102
193	Proteinuria impairs podocyte regeneration by sequestering retinoic acid. *Journal of the American Society of Nephrology: JASN*, **2013**, 24, 1756-68	12.7	100
192	The carboxyl terminus of Neph family members binds to the PDZ domain protein zonula occludens-1. *Journal of Biological Chemistry*, **2003**, 278, 13417-21	5.4	97
191	Expression of functional CCR and CXCR chemokine receptors in podocytes. *Journal of Immunology*, **2002**, 168, 6244-52	5.3	97
190	Cellular and Molecular Probing of Intact Human Organs. *Cell*, **2020**, 180, 796-812.e19	56.2	96
189	A dynamic network model of mTOR signaling reveals TSC-independent mTORC2 regulation. *Science Signaling*, **2012**, 5, ra25	8.8	95
188	Direct Reductive Amination of Ketones: Structure and Activity of S-Selective Imine Reductases from Streptomyces. *ChemCatChem*, **2014**, 6, 2248-2252	5.2	92
187	Autophagy in kidney disease and aging: lessons from rodent models. *Kidney International*, **2016**, 90, 950-964	9.9	90
186	KIBRA modulates directional migration of podocytes. *Journal of the American Society of Nephrology: JASN*, **2008**, 19, 1891-903	12.7	90
185	Vps34 deficiency reveals the importance of endocytosis for podocyte homeostasis. *Journal of the American Society of Nephrology: JASN*, **2013**, 24, 727-43	12.7	89
184	Neph-Nephrin proteins bind the Par3-Par6-atypical protein kinase C (aPKC) complex to regulate podocyte cell polarity. *Journal of Biological Chemistry*, **2008**, 283, 23033-8	5.4	86
183	Direct reprogramming of fibroblasts into renal tubular epithelial cells by defined transcription factors. *Nature Cell Biology*, **2016**, 18, 1269-1280	23.4	85
182	Local TNF causes NFATc1-dependent cholesterol-mediated podocyte injury. *Journal of Clinical Investigation*, **2016**, 126, 3336-50	15.9	85
181	Development and validation of a renal risk score in ANCA-associated glomerulonephritis. *Kidney International*, **2018**, 94, 1177-1188	9.9	84
180	Cytoprotective activated protein C averts Nlrp3 inflammasome-induced ischemia-reperfusion injury via mTORC1 inhibition. *Blood*, **2017**, 130, 2664-2677	2.2	79
179	Phosphorylation by casein kinase 2 induces PACS-1 binding of nephrocystin and targeting to cilia. *EMBO Journal*, **2005**, 24, 4415-24	13	79
178	MO134COVID-19-ASSOCIATED KIDNEY INJURY IS CHARACTERIZED BY ACUTE TUBULAR NECROSIS AND CAPILLARY CONGESTION WITH EVIDENCE FOR SARS-COV-2 IN THE NEPHRON. *Nephrology Dialysis Transplantation*, **2021**, 36,	4.3	78

177	Secretome of adipose-derived mesenchymal stem cells promotes skeletal muscle regeneration through synergistic action of extracellular vesicle cargo and soluble proteins. *Stem Cell Research and Therapy*, **2019**, 10, 116	8.3	76
176	Loss of podocyte aPKClambda/iota causes polarity defects and nephrotic syndrome. *Journal of the American Society of Nephrology: JASN*, **2009**, 20, 798-806	12.7	76
175	Renal Atp6ap2/(Pro)renin Receptor Is Required for Normal Vacuolar H+-ATPase Function but Not for the Renin-Angiotensin System. *Journal of the American Society of Nephrology: JASN*, **2016**, 27, 3320-3330	12.7	74
174	How many ways can a podocyte die?. *Seminars in Nephrology*, **2012**, 32, 394-404	4.8	71
173	Podocin organizes ion channel-lipid supercomplexes: implications for mechanosensation at the slit diaphragm. *Nephron Experimental Nephrology*, **2007**, 106, e27-31		71
172	The Evolving Complexity of the Podocyte Cytoskeleton. *Journal of the American Society of Nephrology: JASN*, **2017**, 28, 3166-3174	12.7	70
171	Glomerular development--shaping the multi-cellular filtration unit. *Seminars in Cell and Developmental Biology*, **2014**, 36, 39-49	7.5	69
170	Microbiota-Induced Type I Interferons Instruct a Poised Basal State of Dendritic Cells. *Cell*, **2020**, 181, 1080-1096.e19	56.2	63
169	mTORC1 maintains renal tubular homeostasis and is essential in response to ischemic stress. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, E2817-26	11.5	63
168	Identification of a novel inhibitory actin-capping protein binding motif in CD2-associated protein. *Journal of Biological Chemistry*, **2006**, 281, 19196-203	5.4	62
167	Renal fibrosis is the common feature of autosomal dominant tubulointerstitial kidney diseases caused by mutations in mucin 1 or uromodulin. *Kidney International*, **2014**, 86, 589-99	9.9	60
166	COVID-19-associated nephritis: early warning for disease severity and complications?. *Lancet, The*, **2020**, 395, e87-e88	40	58
165	Absence of miR-146a in Podocytes Increases Risk of Diabetic Glomerulopathy via Up-regulation of ErbB4 and Notch-1. *Journal of Biological Chemistry*, **2017**, 292, 732-747	5.4	57
164	mTOR Regulates Endocytosis and Nutrient Transport in Proximal Tubular Cells. *Journal of the American Society of Nephrology: JASN*, **2017**, 28, 230-241	12.7	55
163	New Insights into Podocyte Biology in Glomerular Health and Disease. *Journal of the American Society of Nephrology: JASN*, **2017**, 28, 1707-1715	12.7	54
162	Anaerobic Glycolysis Maintains the Glomerular Filtration Barrier Independent of Mitochondrial Metabolism and Dynamics. *Cell Reports*, **2019**, 27, 1551-1566.e5	10.6	54
161	Clonal expansion and activation of tissue-resident memory-like Th17 cells expressing GM-CSF in the lungs of severe COVID-19 patients. *Science Immunology*, **2021**, 6,	28	54
160	CD2-associated protein (CD2AP) expression in podocytes rescues lethality of CD2AP deficiency. *Journal of Biological Chemistry*, **2005**, 280, 29677-81	5.4	53

159	A flexible, multilayered protein scaffold maintains the slit in between glomerular podocytes. *JCI Insight*, **2016**, 1,	9.9	53
158	Albumin-associated free fatty acids induce macropinocytosis in podocytes. *Journal of Clinical Investigation*, **2015**, 125, 2307-16	15.9	53
157	Angiotensin II increases the cytosolic calcium activity in rat podocytes in culture. *Kidney International*, **1997**, 52, 687-93	9.9	51
156	Expression and function of C/EBP homology protein (GADD153) in podocytes. *American Journal of Pathology*, **2006**, 168, 20-32	5.8	50
155	Mutations of the SLIT2-ROBO2 pathway genes SLIT2 and SRGAP1 confer risk for congenital anomalies of the kidney and urinary tract. *Human Genetics*, **2015**, 134, 905-16	6.3	48
154	A Multi-layered Quantitative In Vivo Expression Atlas of the Podocyte Unravels Kidney Disease Candidate Genes. *Cell Reports*, **2018**, 23, 2495-2508	10.6	48
153	Cilia-localized LKB1 regulates chemokine signaling, macrophage recruitment, and tissue homeostasis in the kidney. *EMBO Journal*, **2018**, 37,	13	46
152	A model organism approach: defining the role of Neph proteins as regulators of neuron and kidney morphogenesis. *Human Molecular Genetics*, **2010**, 19, 2347-59	5.6	43
151	Modeling Monogenic Human Nephrotic Syndrome in the Garland Cell Nephrocyte. *Journal of the American Society of Nephrology: JASN*, **2017**, 28, 1521-1533	12.7	42
150	Autophagy in glomerular health and disease. *Seminars in Nephrology*, **2014**, 34, 42-52	4.8	42
149	Role of the polarity protein Scribble for podocyte differentiation and maintenance. *PLoS ONE*, **2012** , 7, e36705	3.7	42
148	Podocyte-specific GLUT4-deficient mice have fewer and larger podocytes and are protected from diabetic nephropathy. *Diabetes*, **2014**, 63, 701-14	0.9	41
147	V-ATPase/mTOR signaling regulates megalin-mediated apical endocytosis. *Cell Reports*, **2014**, 8, 10-9	10.6	41
146	N-wasp is required for stabilization of podocyte foot processes. *Journal of the American Society of Nephrology: JASN*, **2013**, 24, 713-21	12.7	41
145	YAP-mediated mechanotransduction determines the podocyte's response to damage. *Science Signaling*, **2017**, 10,	8.8	40
144	The polarity protein Inturned links NPHP4 to Daam1 to control the subapical actin network in multiciliated cells. *Journal of Cell Biology*, **2015**, 211, 963-73	7.3	40
143	Implications of autophagy for glomerular aging and disease. *Cell and Tissue Research*, **2011**, 343, 467-73	4.2	39
142	Enhanced exercise and regenerative capacity in a mouse model that violates size constraints of oxidative muscle fibres. *ELife*, **2016**, 5,	8.9	39

141	An update on ABO-incompatible kidney transplantation. *Transplant International*, **2015**, 28, 387-97	3	38
140	MOF maintains transcriptional programs regulating cellular stress response. *Oncogene*, **2016**, 35, 2698-710	9.2	37
139	N-Degradomic Analysis Reveals a Proteolytic Network Processing the Podocyte Cytoskeleton. *Journal of the American Society of Nephrology: JASN*, **2017**, 28, 2867-2878	12.7	37
138	The ubiquitin ligase Ubr4 controls stability of podocin/MEC-2 supercomplexes. *Human Molecular Genetics*, **2016**, 25, 1328-44	5.6	36
137	DNA Methyltransferase 1 Controls Nephron Progenitor Cell Renewal and Differentiation. *Journal of the American Society of Nephrology: JASN*, **2019**, 30, 63-78	12.7	36
136	Targeting mTOR Signaling Can Prevent the Progression of FSGS. *Journal of the American Society of Nephrology: JASN*, **2017**, 28, 2144-2157	12.7	35
135	A Conformational Change in C-Reactive Protein Enhances Leukocyte Recruitment and Reactive Oxygen Species Generation in Ischemia/Reperfusion Injury. *Frontiers in Immunology*, **2018**, 9, 675	8.4	35
134	mTOR controls kidney epithelia in health and disease. *Nephrology Dialysis Transplantation*, **2014**, 29 Suppl 1, i9-i18	4.3	34
133	Genetic and pharmacological inhibition of microRNA-92a maintains podocyte cell cycle quiescence and limits crescentic glomerulonephritis. *Nature Communications*, **2017**, 8, 1829	17.4	34
132	The FERM protein EPB41L5 regulates actomyosin contractility and focal adhesion formation to maintain the kidney filtration barrier. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, E4621-E4630	11.5	33
131	Podocyte polarity signalling. *Current Opinion in Nephrology and Hypertension*, **2009**, 18, 324-30	3.5	33
130	Single-nephron proteomes connect morphology and function in proteinuric kidney disease. *Kidney International*, **2018**, 93, 1308-1319	9.9	32
129	Preventive medicine of von Hippel-Lindau disease-associated pancreatic neuroendocrine tumors. *Endocrine-Related Cancer*, **2018**, 25, 783-793	5.7	32
128	Deoxycorticosterone Acetate/Salt-Induced Cardiac But Not Renal Injury Is Mediated By Endothelial Mineralocorticoid Receptors Independently From Blood Pressure. *Hypertension*, **2016**, 67, 130-8	8.5	31
127	Cell loss and autophagy in the extra-adrenal chromaffin organ of Zuckerkandl are regulated by glucocorticoid signalling. *Journal of Neuroendocrinology*, **2013**, 25, 34-47	3.8	31
126	aPKC and aPKC contribute to podocyte differentiation and glomerular maturation. *Journal of the American Society of Nephrology: JASN*, **2013**, 24, 253-67	12.7	31
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124	Podocytes maintain high basal levels of autophagy independent of mtor signaling. *Autophagy*, **2020**, 16, 1932-1948	10.2	31

123	Pathogen-induced tissue-resident memory T17 (T17) cells amplify autoimmune kidney disease. *Science Immunology*, **2020**, 5,	28	31
122	NorUrsodeoxycholic acid ameliorates cholemic nephropathy in bile duct ligated mice. *Journal of Hepatology*, **2017**, 67, 110-119	13.4	30
121	Stra13, a prostaglandin E2-induced gene, regulates the cellular redox state of podocytes. *FASEB Journal*, **2003**, 17, 682-4	0.9	30
120	Rationale and Design of the Hamburg City Health Study. *European Journal of Epidemiology*, **2020**, 35, 169-181	12.1	30
119	One hundred ABO-incompatible kidney transplantations between 2004 and 2014: a single-centre experience. *Nephrology Dialysis Transplantation*, **2016**, 31, 663-71	4.3	29
118	mTOR-mediated podocyte hypertrophy regulates glomerular integrity in mice and humans. *JCI Insight*, **2019**, 4,	9.9	29
117	Protein and Molecular Characterization of a Clinically Compliant Amniotic Fluid Stem Cell-Derived Extracellular Vesicle Fraction Capable of Accelerating Muscle Regeneration Through Enhancement of Angiogenesis. *Stem Cells and Development*, **2017**, 26, 1316-1333	4.4	28
116	Mammalian target of rapamycin signaling in the podocyte. *Current Opinion in Nephrology and Hypertension*, **2012**, 21, 251-7	3.5	28
115	Human C-terminal CUBN variants associate with chronic proteinuria and normal renal function. *Journal of Clinical Investigation*, **2020**, 130, 335-344	15.9	28
114	Genetic loci associated with renal function measures and chronic kidney disease in children: the Pediatric Investigation for Genetic Factors Linked with Renal Progression Consortium. *Nephrology Dialysis Transplantation*, **2016**, 31, 262-9	4.3	27
113	mTORC2 critically regulates renal potassium handling. *Journal of Clinical Investigation*, **2016**, 126, 1773-82	15.9	26
112	Novel 3D analysis using optical tissue clearing documents the evolution of murine rapidly progressive glomerulonephritis. *Kidney International*, **2019**, 96, 505-516	9.9	24
111	The tetraspanin CD9 controls migration and proliferation of parietal epithelial cells and glomerular disease progression. *Nature Communications*, **2019**, 10, 3303	17.4	24
110	Functional study of mammalian Neph proteins in Drosophila melanogaster. *PLoS ONE*, **2012**, 7, e40300	3.7	24
109	SARS-CoV-2 infects the human kidney and drives fibrosis in kidney organoids.. *Cell Stem Cell*, **2021**,	18	24
108	Podocyte regeneration: who can become a podocyte?. *American Journal of Pathology*, **2013**, 183, 333-5	5.8	23
107	From podocyte biology to novel cures for glomerular disease. *Kidney International*, **2019**, 96, 850-861	9.9	22
106	Multi-organ assessment in mainly non-hospitalized individuals after SARS-CoV-2 infection: The Hamburg City Health Study COVID programme.. *European Heart Journal*, **2022**,	9.5	21

105	Hantavirus infection with severe proteinuria and podocyte foot-process effacement. *American Journal of Kidney Diseases*, **2014**, 64, 452-6	7.4	20
104	ARP3 Controls the Podocyte Architecture at the Kidney Filtration Barrier. *Developmental Cell*, **2018**, 47, 741-757.e8	10.2	20
103	Using the Nephrocyte to Model Podocyte Function and Disease. *Frontiers in Pediatrics*, **2017**, 5, 262	3.4	19
102	Zona occludens proteins modulate podosome formation and function. *FASEB Journal*, **2011**, 25, 505-14	0.9	19
101	Traction force microscopy with optimized regularization and automated Bayesian parameter selection for comparing cells. *Scientific Reports*, **2019**, 9, 539	4.9	18
100	The class III phosphatidylinositol 3-kinase PIK3C3/VPS34 regulates endocytosis and autophagosome-autolysosome formation in podocytes. *Autophagy*, **2013**, 9, 1097-9	10.2	18
99	Functional and spatial analysis of C. elegans SYG-1 and SYG-2, orthologs of the Neph/nephrin cell adhesion module directing selective synaptogenesis. *PLoS ONE*, **2011**, 6, e23598	3.7	18
98	Dysregulated mesenchymal PDGFR- drives kidney fibrosis. *EMBO Molecular Medicine*, **2020**, 12, e11021	12	17
97	GSK3 inactivation in podocytes results in decreased phosphorylation of p70S6K accompanied by cytoskeletal rearrangements and inhibited motility. *American Journal of Physiology - Renal Physiology*, **2011**, 300, F1152-62	4.3	17
96	Primary decidual zone formation requires Scribble for pregnancy success in mice. *Nature Communications*, **2019**, 10, 5425	17.4	17
95	Comparison of urinary extracellular vesicle isolation methods for transcriptomic biomarker research in diabetic kidney disease. *Journal of Extracellular Vesicles*, **2020**, 10, e12038	16.4	17
94	The Rapamycin-Sensitive Complex of Mammalian Target of Rapamycin Is Essential to Maintain Male Fertility. *American Journal of Pathology*, **2016**, 186, 324-36	5.8	16
93	Mutations in KIRREL1, a slit diaphragm component, cause steroid-resistant nephrotic syndrome. *Kidney International*, **2019**, 96, 883-889	9.9	16
92	Renal clearance of polymeric nanoparticles by mimicry of glycan surface of viruses. *Biomaterials*, **2020**, 230, 119643	15.6	16
91	CXCL12 and MYC control energy metabolism to support adaptive responses after kidney injury. *Nature Communications*, **2018**, 9, 3660	17.4	16
90	Calciphylaxis. *Lancet, The*, **2014**, 383, 1067	40	15
89	Phosphorylation of BECLIN-1 by BCR-ABL suppresses autophagy in chronic myeloid leukemia. *Haematologica*, **2020**, 105, 1285-1293	6.6	15
88	Neural metabolic imbalance induced by MOF dysfunction triggers pericyte activation and breakdown of vasculature. *Nature Cell Biology*, **2020**, 22, 828-841	23.4	14

87	Management of Tamm-Horsfall Protein for Reliable Urinary Analytics. *Proteomics - Clinical Applications*, **2019**, 13, e1900018	3.1	14
86	Molecular understanding of the slit diaphragm. *Pediatric Nephrology*, **2013**, 28, 1957-62	3.2	14
85	Nephrin Contributes to Insulin Secretion and Affects Mammalian Target of Rapamycin Signaling Independently of Insulin Receptor. *Journal of the American Society of Nephrology: JASN*, **2016**, 27, 1029-41	12.7	13
84	Flying podocytes. *Kidney International*, **2009**, 75, 455-7	9.9	13
83	Compression of morbidity in a progeroid mouse model through the attenuation of myostatin/activin signalling. *Journal of Cachexia, Sarcopenia and Muscle*, **2019**, 10, 662-686	10.3	12
82	The use of urinary proteomics in the assessment of suitability of mouse models for ageing. *PLoS ONE*, **2017**, 12, e0166875	3.7	12
81	MAGI-1 Interacts with Nephrin to Maintain Slit Diaphragm Structure through Enhanced Rap1 Activation in Podocytes. *Journal of Biological Chemistry*, **2016**, 291, 24406-24417	5.4	12
80	Plasminogen deficiency does not prevent sodium retention in a genetic mouse model of experimental nephrotic syndrome. *Acta Physiologica*, **2021**, 231, e13512	5.6	12
79	The cell fate determinant Scribble is required for maintenance of hematopoietic stem cell function. *Leukemia*, **2018**, 32, 1211-1221	10.7	11
78	The BAR domain protein PICK1 regulates cell recognition and morphogenesis by interacting with Neph proteins. *Molecular and Cellular Biology*, **2011**, 31, 3241-51	4.8	11
77	Isolating Urinary Extracellular Vesicles as Biomarkers for Diabetic Disease. *Methods in Molecular Biology*, **2020**, 2067, 175-188	1.4	11
76	Xenotropic and polytropic retrovirus receptor 1 regulates procoagulant platelet polyphosphate. *Blood*, **2021**, 137, 1392-1405	2.2	11
75	Reduction of proteinuria through podocyte alkalinization. *Journal of Biological Chemistry*, **2014**, 289, 17454-67	5.4	10
74	Signaling at the slit: podocytes chat by synaptic transmission. *Journal of the American Society of Nephrology: JASN*, **2009**, 20, 1862-4	12.7	10
73	Interleukin-9 protects from early podocyte injury and progressive glomerulosclerosis in Adriamycin-induced nephropathy. *Kidney International*, **2020**, 98, 615-629	9.9	10
72	EPB41L5 controls podocyte extracellular matrix assembly by adhesome-dependent force transmission. *Cell Reports*, **2021**, 34, 108883	10.6	10
71	The chemokine receptor CXCR1 reduces renal injury in mice with angiotensin II-induced hypertension. *American Journal of Physiology - Renal Physiology*, **2018**, 315, F1526-F1535	4.3	10
70	The long journey through renal filtration: new pieces in the puzzle of slit diaphragm architecture. *Current Opinion in Nephrology and Hypertension*, **2017**, 26, 148-153	3.5	9

69	Organisation of lymphocytic infiltrates in ANCA-associated glomerulonephritis. *Histopathology*, **2018**, 72, 1093-1101	7.3	9
68	A brief overview on IRM function across evolution. *Journal of Neurogenetics*, **2014**, 28, 264-9	1.6	9
67	A novel domain regulating degradation of the glomerular slit diaphragm protein podocin in cell culture systems. *PLoS ONE*, **2013**, 8, e57078	3.7	9
66	A homozygous KAT2B variant modulates the clinical phenotype of ADD3 deficiency in humans and flies. *PLoS Genetics*, **2018**, 14, e1007386	6	9
65	How Is Proteinuric Diabetic Nephropathy Caused by Disturbed Proteostasis and Autophagy in Podocytes?. *Diabetes*, **2016**, 65, 539-41	0.9	8
64	P2Y2R Signaling Is Involved in the Onset of Glomerulonephritis. *Frontiers in Immunology*, **2018**, 9, 1589	8.4	8
63	Chromatin dynamics in kidney development and function. *Cell and Tissue Research*, **2014**, 356, 601-8	4.2	8
62	Severe Acute Kidney Injury Due to Nivolumab/Ipilimumab-induced Granulomatosis and Fibrinoid Vascular Necrosis. *Journal of Immunotherapy*, **2020**, 43, 29-31	5	8
61	Def-6, a novel regulator of small GTPases in podocytes, acts downstream of atypical protein kinase C (aPKC) *American Journal of Pathology*, **2013**, 183, 1945-1959	5.8	7
60	Microtubule Associated Protein 1b (MAP1B) Is a Marker of the Microtubular Cytoskeleton in Podocytes but Is Not Essential for the Function of the Kidney Filtration Barrier in Mice. *PLoS ONE*, **2015**, 10, e0140116	3.7	7
59	Perspectives in membranous nephropathy. *Cell and Tissue Research*, **2021**, 385, 405-422	4.2	7
58	Deep learning-based molecular morphometrics for kidney biopsies. *JCI Insight*, **2021**, 6,	9.9	7
57	Pro-cachectic factors link experimental and human chronic kidney disease to skeletal muscle wasting programs. *Journal of Clinical Investigation*, **2021**, 131,	15.9	7
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