Tobias B Huber

List of Publications by Year
in descending order

241 papers	26,587 citations	11651 70 h-index	6836 155 g-index
255 all docs	255 docs citations	255 times ranked	42204 citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701
2	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	9.1	3,122
3	Multiorgan and Renal Tropism of SARS-CoV-2. New England Journal of Medicine, 2020, 383, 590-592.	27.0	1,523
4	Mitochondrial Dynamics Controls T Cell Fate through Metabolic Programming. Cell, 2016, 166, 63-76.	28.9	1,025
5	Autophagy influences glomerular disease susceptibility and maintains podocyte homeostasis in aging mice. Journal of Clinical Investigation, 2010, 120, 1084-1096.	8.2	604
6	Role of mTOR in podocyte function and diabetic nephropathy in humans and mice. Journal of Clinical Investigation, 2011, 121, 2197-2209.	8.2	467
7	mTORC1 activation in podocytes is a critical step in the development of diabetic nephropathy in mice. Journal of Clinical Investigation, 2011, 121, 2181-2196.	8.2	462
8	CKD in diabetes: diabetic kidney disease versus nondiabetic kidney disease. Nature Reviews Nephrology, 2018, 14, 361-377.	9.6	442
9	Rip1 (Receptor-interacting protein kinase 1) mediates necroptosis and contributes to renal ischemia/reperfusion injury. Kidney International, 2012, 81, 751-761.	5.2	389
10	Decoding myofibroblast origins in human kidney fibrosis. Nature, 2021, 589, 281-286.	27.8	380
11	Nephrin and CD2AP Associate with Phosphoinositide 3-OH Kinase and Stimulate AKT-Dependent Signaling. Molecular and Cellular Biology, 2003, 23, 4917-4928.	2.3	348
12	Interaction with Podocin Facilitates Nephrin Signaling. Journal of Biological Chemistry, 2001, 276, 41543-41546.	3.4	304
13	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, 17079-17086.	7.1	262
14	SARS-CoV-2 renal tropism associates with acute kidney injury. Lancet, The, 2020, 396, 597-598.	13.7	253
15	Trafficking of TRPP2 by PACS proteins represents a novel mechanism of ion channel regulation. EMBO Journal, 2005, 24, 705-716.	7.8	237
16	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, 967-972.	7.1	233
17	Molecular basis of the functionalpodocin-nephrin complex: mutations in the NPHS2 gene disrupt nephrin targeting to lipid raft microdomains. Human Molecular Genetics, 2003, 12, 3397-3405.	2.9	231
18	Emerging role of autophagy in kidney function, diseases and aging. Autophagy, 2012, 8, 1009-1031.	9.1	228

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19	Autophagy plays a critical role in kidney tubule maintenance, aging and ischemia-reperfusion injury. Autophagy, 2012, 8, 826-837.	9.1	228
20	Endothelial cell and podocyte autophagy synergistically protect from diabetes-induced glomerulosclerosis. Autophagy, 2015, 11, 1130-1145.	9.1	224
21	Mitochondrial Priming by CD28. Cell, 2017, 171, 385-397.e11.	28.9	212
22	FAN1 mutations cause karyomegalic interstitial nephritis, linking chronic kidney failure to defective DNA damage repair. Nature Genetics, 2012, 44, 910-915.	21.4	205
23	NEPH1 defines a novel family of podocinâ€interacting proteins. FASEB Journal, 2003, 17, 115-117.	0.5	203
24	The podocyte slit diaphragmâ€"from a thin grey line to a complex signalling hub. Nature Reviews Nephrology, 2013, 9, 587-598.	9.6	200
25	The slit diaphragm: a signaling platform to regulate podocyte function. Current Opinion in Nephrology and Hypertension, 2005, 14, 211-216.	2.0	196
26	AKT2 is essential to maintain podocyte viability and function during chronic kidney disease. Nature Medicine, 2013, 19, 1288-1296.	30.7	187
27	Cellular and Molecular Probing of Intact Human Organs. Cell, 2020, 180, 796-812.e19.	28.9	187
28	ANKS6 is a central component of a nephronophthisis module linking NEK8 to INVS and NPHP3. Nature Genetics, 2013, 45, 951-956.	21.4	183
29	Prorenin Receptor Is Essential for Podocyte Autophagy and Survival. Journal of the American Society of Nephrology: JASN, 2011, 22, 2193-2202.	6.1	179
30	Development and validation of a renal risk score in ANCA-associated glomerulonephritis. Kidney International, 2018, 94, 1177-1188.	5.2	179
31	Unraveling the Role of Podocyte Turnover in Glomerular Aging and Injury. Journal of the American Society of Nephrology: JASN, 2014, 25, 707-716.	6.1	155
32	Homodimerization and Heterodimerization of the Glomerular Podocyte Proteins Nephrin and NEPH1. Journal of the American Society of Nephrology: JASN, 2003, 14, 918-926.	6.1	153
33	Roles of mTOR complexes in the kidney: implications for renal disease and transplantation. Nature Reviews Nephrology, 2016, 12, 587-609.	9.6	146
34	SARS-CoV-2 infects the human kidney and drives fibrosis in kidney organoids. Cell Stem Cell, 2022, 29, 217-231.e8.	11.1	146
35	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.	5.5	144
36	Microbiota-Induced Type I Interferons Instruct a Poised Basal State of Dendritic Cells. Cell, 2020, 181, 1080-1096.e19.	28.9	139

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37	Bigenic mouse models of focal segmental glomerulosclerosis involving pairwise interaction of CD2AP, Fyn, and synaptopodin. Journal of Clinical Investigation, 2006, 116, 1337-1345.	8.2	137
38	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, 8579-8584.	7.1	133
39	Anthracyclines Induce DNA Damage Response-Mediated Protection against Severe Sepsis. Immunity, 2013, 39, 874-884.	14.3	131
40	Molecular fingerprinting of the podocyte reveals novel gene and protein regulatory networks. Kidney International, 2013, 83, 1052-1064.	5.2	130
41	Cytoprotective activated protein C averts Nlrp3 inflammasomeâ€“induced ischemia-reperfusion injury via mTORC1 inhibition. Blood, 2017, 130, 2664-2677.	1.4	125
42	Clonal expansion and activation of tissue-resident memory-like T _H 17 cells expressing GM-CSF in the lungs of patients with severe COVID-19. Science Immunology, 2021, 6, .	11.9	125
43	mTOR and rapamycin in the kidney: signaling and therapeutic implications beyond immunosuppression. Kidney International, 2011, 79, 502-511.	5.2	124
44	CD2AP in mouse and human podocytes controls a proteolytic program that regulates cytoskeletal structure and cellular survival. Journal of Clinical Investigation, 2011, 121, 3965-3980.	8.2	124
45	Direct Reductive Amination of Ketones: Structure and Activity of <i>S</i>â€Selective Imine Reductases from <i>Streptomyces</i>. ChemCatChem, 2014, 6, 2248-2252.	3.7	123
46	Local TNF causes NFATc1-dependent cholesterol-mediated podocyte injury. Journal of Clinical Investigation, 2016, 126, 3336-3350.	8.2	123
47	A Dynamic Network Model of mTOR Signaling Reveals TSC-Independent mTORC2 Regulation. Science Signaling, 2012, 5, ra25.	3.6	120
48	Vps34 Deficiency Reveals the Importance of Endocytosis for Podocyte Homeostasis. Journal of the American Society of Nephrology: JASN, 2013, 24, 727-743.	6.1	117
49	Proteinuria Impairs Podocyte Regeneration by Sequestering Retinoic Acid. Journal of the American Society of Nephrology: JASN, 2013, 24, 1756-1768.	6.1	116
50	Autophagy in kidney disease and aging: lessons from rodent models. Kidney International, 2016, 90, 950-964.	5.2	114
51	Direct reprogramming of fibroblasts into renal tubular epithelial cells by defined transcription factors. Nature Cell Biology, 2016, 18, 1269-1280.	10.3	113
52	The Carboxyl Terminus of Neph Family Members Binds to the PDZ Domain Protein Zonula Occludens-1. Journal of Biological Chemistry, 2003, 278, 13417-13421.	3.4	112
53	KIBRA Modulates Directional Migration of Podocytes. Journal of the American Society of Nephrology: JASN, 2008, 19, 1891-1903.	6.1	112
54	Multi-organ assessment in mainly non-hospitalized individuals after SARS-CoV-2 infection: The Hamburg City Health Study COVID programme. European Heart Journal, 2022, 43, 1124-1137.	2.2	111

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55	Expression of Functional CCR and CXCR Chemokine Receptors in Podocytes. Journal of Immunology, 2002, 168, 6244-6252.	0.8	107
56	Anaerobic Glycolysis Maintains the Glomerular Filtration Barrier Independent of Mitochondrial Metabolism and Dynamics. Cell Reports, 2019, 27, 1551-1566.e5.	6.4	106
57	The Evolving Complexity of the Podocyte Cytoskeleton. Journal of the American Society of Nephrology: JASN, 2017, 28, 3166-3174.	6.1	104
58	Molecular consequences of SARS-CoV-2 liver tropism. Nature Metabolism, 2022, 4, 310-319.	11.9	98
59	Neph-Nephrin Proteins Bind the Par3-Par6-Atypical Protein Kinase C (aPKC) Complex to Regulate Podocyte Cell Polarity. Journal of Biological Chemistry, 2008, 283, 23033-23038.	3.4	97
60	Phosphorylation by casein kinase 2 induces PACS-1 binding of nephrocystin and targeting to cilia. EMBO Journal, 2005, 24, 4415-4424.	7.8	92
61	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.	6.1	91
62	How Many Ways Can a Podocyte Die?. Seminars in Nephrology, 2012, 32, 394-404.	1.6	88
63	Loss of Podocyte aPKCÎ»/Î¹ Causes Polarity Defects and Nephrotic Syndrome. Journal of the American Society of Nephrology: JASN, 2009, 20, 798-806.	6.1	86
64	Renal fibrosis is the common feature of autosomal dominant tubulointerstitial kidney diseases caused by mutations in mucin 1 or uromodulin. Kidney International, 2014, 86, 589-599.	5.2	86
65	Glomerular development â€" Shaping the multi-cellular filtration unit. Seminars in Cell and Developmental Biology, 2014, 36, 39-49.	5.0	85
66	Rationale and Design of the Hamburg City Health Study. European Journal of Epidemiology, 2020, 35, 169-181.	5.7	85
67	COVID-19-associated nephritis: early warning for disease severity and complications?. Lancet, The, 2020, 395, e87-e88.	13.7	84
68	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.	7.1	82
69	Podocin Organizes Ion Channel-Lipid Supercomplexes: Implications for Mechanosensation at the Slit Diaphragm. Nephron Experimental Nephrology, 2007, 106, e27-e31.	2.2	81
70	A Multi-layered Quantitative InÂVivo Expression Atlas of the Podocyte Unravels Kidney Disease Candidate Genes. Cell Reports, 2018, 23, 2495-2508.	6.4	81
71	mTOR Regulates Endocytosis and Nutrient Transport in Proximal Tubular Cells. Journal of the American Society of Nephrology: JASN, 2017, 28, 230-241.	6.1	79
72	Ciliaâ€localized <scp>LKB</scp> 1 regulates chemokine signaling, macrophage recruitment, and tissue homeostasis in the kidney. EMBO Journal, 2018, 37, .	7.8	78

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73	New Insights into Podocyte Biology in Glomerular Health and Disease. Journal of the American Society of Nephrology: JASN, 2017, 28, 1707-1715.	6.1	75
74	Identification of a Novel Inhibitory Actin-capping Protein Binding Motif in CD2-associated Protein. Journal of Biological Chemistry, 2006, 281, 19196-19203.	3.4	74
75	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.	3.4	74
76	Albumin-associated free fatty acids induce macropinocytosis in podocytes. Journal of Clinical Investigation, 2015, 125, 2307-2316.	8.2	73
77	Modeling Monogenic Human Nephrotic Syndrome in the Drosophila Garland Cell Nephrocyte. Journal of the American Society of Nephrology: JASN, 2017, 28, 1521-1533.	6.1	70
78	Podocytes maintain high basal levels of autophagy independent of mtor signaling. Autophagy, 2020, 16, 1932-1948.	9.1	69
79	A flexible, multilayered protein scaffold maintains the slit in between glomerular podocytes. JCI Insight, 2016, 1, .	5.0	69
80	mTOR-mediated podocyte hypertrophy regulates glomerular integrity in mice and humans. JCI Insight, 2019, 4, .	5.0	69
81	A novel mouse model of phospholipase A2 receptor 1-associated membranous nephropathyÂmimics podocyte injury in patients. Kidney International, 2020, 97, 913-919.	5.2	65
82	Mutations of the SLIT2â€“ROBO2 pathway genes SLIT2 and SRGAP1 confer risk for congenital anomalies of the kidney and urinary tract. Human Genetics, 2015, 134, 905-916.	3.8	62
83	YAP-mediated mechanotransduction determines the podocyteâ€™s response to damage. Science Signaling, 2017, 10, .	3.6	61
84	Angiotensin II increases the cytosolic calcium activity in rat podocytes in culture. Kidney International, 1997, 52, 687-693.	5.2	60
85	V-ATPase/mTOR Signaling Regulates Megalin-Mediated Apical Endocytosis. Cell Reports, 2014, 8, 10-19.	6.4	59
86	Pathogen-induced tissue-resident memory T _H 17 (T _{RM} 17) cells amplify autoimmune kidney disease. Science Immunology, 2020, 5, .	11.9	58
87	CD2-associated Protein (CD2AP) Expression in Podocytes Rescues Lethality of CD2AP Deficiency. Journal of Biological Chemistry, 2005, 280, 29677-29681.	3.4	57
88	Targeting mTOR Signaling Can Prevent the Progression of FSGS. Journal of the American Society of Nephrology: JASN, 2017, 28, 2144-2157.	6.1	57
89	Expression and Function of C/EBP Homology Protein (GADD153) in Podocytes. American Journal of Pathology, 2006, 168, 20-32.	3.8	56
90	N-WASP Is Required for Stabilization of Podocyte Foot Processes. Journal of the American Society of Nephrology: JASN, 2013, 24, 713-721.	6.1	56

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91	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.	4.8	56
92	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.	7.1	54
93	Human C-terminal CUBN variants associate with chronic proteinuria and normal renal function. Journal of Clinical Investigation, 2019, 130, 335-344.	8.2	54
94	Autophagy in Glomerular Health and Disease. Seminars in Nephrology, 2014, 34, 42-52.	1.6	52
95	Podocyte-Specific GLUT4-Deficient Mice Have Fewer and Larger Podocytes and Are Protected From Diabetic Nephropathy. Diabetes, 2014, 63, 701-714.	0.6	52
96	The tetraspanin CD9 controls migration and proliferation of parietal epithelial cells and glomerular disease progression. Nature Communications, 2019, 10, 3303.	12.8	52
97	DNA Methyltransferase 1 Controls Nephron Progenitor Cell Renewal and Differentiation. Journal of the American Society of Nephrology: JASN, 2019, 30, 63-78.	6.1	52
98	A model organism approach: defining the role of Neph proteins as regulators of neuron and kidney morphogenesis. Human Molecular Genetics, 2010, 19, 2347-2359.	2.9	51
99	MOF maintains transcriptional programs regulating cellular stress response. Oncogene, 2016, 35, 2698-2710.	5.9	51
100	Genetic and pharmacological inhibition of microRNA-92a maintains podocyte cell cycle quiescence and limits crescentic glomerulonephritis. Nature Communications, 2017, 8, 1829.	12.8	50
101	Role of the Polarity Protein Scribble for Podocyte Differentiation and Maintenance. PLoS ONE, 2012, 7, e36705.	2.5	50
102	Single-nephron proteomes connect morphology and function in proteinuric kidney disease. Kidney International, 2018, 93, 1308-1319.	5.2	49
103	From podocyte biology to novel cures for glomerular disease. Kidney International, 2019, 96, 850-861.	5.2	49
104	mTOR controls kidney epithelia in health and disease. Nephrology Dialysis Transplantation, 2014, 29, i9-i18.	0.7	48
105	The polarity protein Inturned links NPHP4 to Daam1 to control the subapical actin network in multiciliated cells. Journal of Cell Biology, 2015, 211, 963-973.	5.2	48
106	Deoxycorticosterone Acetate/Saltâ€"Induced Cardiac But Not Renal Injury Is Mediated By Endothelial Mineralocorticoid Receptors Independently From Blood Pressure. Hypertension, 2016, 67, 130-138.	2.7	48
107	Traction force microscopy with optimized regularization and automated Bayesian parameter selection for comparing cells. Scientific Reports, 2019, 9, 539.	3.3	48
108	Enhanced exercise and regenerative capacity in a mouse model that violates size constraints of oxidative muscle fibres. ELife, 2016, 5, .	6.0	47

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109	Implications of autophagy for glomerular aging and disease. Cell and Tissue Research, 2011, 343, 467-473.	2.9	45
110	The ubiquitin ligase Ubr4 controls stability of podocin/MEC-2 supercomplexes. Human Molecular Genetics, 2016, 25, 1328-1344.	2.9	45
111	NorUrsodeoxycholic acid ameliorates cholemic nephropathy in bile duct ligated mice. Journal of Hepatology, 2017, 67, 110-119.	3.7	44
112	An update on ABO-incompatible kidney transplantation. Transplant International, 2015, 28, 387-397.	1.6	43
113	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.	2.1	42
114	Preventive medicine of von Hippelâ€“Lindau disease-associated pancreatic neuroendocrine tumors. Endocrine-Related Cancer, 2018, 25, 783-793.	3.1	42
115	Primary decidual zone formation requires Scribble for pregnancy success in mice. Nature Communications, 2019, 10, 5425.	12.8	42
116	Cardiac SARS-CoV-2 infection is associated with pro-inflammatory transcriptomic alterations within the heart. Cardiovascular Research, 2022, 118, 542-555.	3.8	42
117	N-Degradomic Analysis Reveals a Proteolytic Network Processing the Podocyte Cytoskeleton. Journal of the American Society of Nephrology: JASN, 2017, 28, 2867-2878.	6.1	41
118	Dysregulated mesenchymal PDGFRâ€Î² drives kidney fibrosis. EMBO Molecular Medicine, 2020, 12, e11021.	6.9	41
119	CXCL12 and MYC control energy metabolism to support adaptive responses after kidney injury. Nature Communications, 2018, 9, 3660.	12.8	39
120	Comparison of urinary extracellular vesicle isolation methods for transcriptomic biomarker research in diabetic kidney disease. Journal of Extracellular Vesicles, 2020, 10, e12038.	12.2	39
121	Cell Loss and Autophagy in the Extraâ€Adrenal Chromaffin Organ of Zuckerkandl are Regulated by Glucocorticoid Signalling. Journal of Neuroendocrinology, 2013, 25, 34-47.	2.6	38
122	Podocyte polarity signalling. Current Opinion in Nephrology and Hypertension, 2009, 18, 324-330.	2.0	37
123	One hundred ABO-incompatible kidney transplantations between 2004 and 2014: a single-centre experience. Nephrology Dialysis Transplantation, 2016, 31, 663-671.	0.7	37
124	mTORC2 critically regulates renal potassium handling. Journal of Clinical Investigation, 2016, 126, 1773-1782.	8.2	37
125	aPKCÎ»/Î¹ and aPKCÎ¶ Contribute to Podocyte Differentiation and Glomerular Maturation. Journal of the American Society of Nephrology: JASN, 2013, 24, 253-267.	6.1	36
126	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, gfv342.	0.7	35

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127	Novel 3D analysis using optical tissue clearing documents the evolution of murine rapidly progressive glomerulonephritis. Kidney International, 2019, 96, 505-516.	5.2	35
128	Mammalian target of rapamycin signaling in the podocyte. Current Opinion in Nephrology and Hypertension, 2012, 21, 251-257.	2.0	34
129	Pro-cachectic factors link experimental and human chronic kidney disease to skeletal muscle wasting programs. Journal of Clinical Investigation, 2021, 131, .	8.2	34
130	ARP3 Controls the Podocyte Architecture at the Kidney Filtration Barrier. Developmental Cell, 2018, 47, 741-757.e8.	7.0	33
131	Persistent SOMAtic symptoms ACROSS diseases â€" from risk factors to modification: scientific framework and overarching protocol of the interdisciplinary SOMACROSS research unit (RU 5211). BMJ Open, 2022, 12, e057596.	1.9	33
132	Using the Drosophila Nephrocyte to Model Podocyte Function and Disease. Frontiers in Pediatrics, 2017, 5, 262.	1.9	32
133	Stra13, a prostaglandin E2â€induced gene, regulates the cellular redox state of podocytes. FASEB Journal, 2003, 17, 682-684.	0.5	31
134	New players in the pathogenesis of focal segmental glomerulosclerosis. Nephrology Dialysis Transplantation, 2012, 27, 3406-3412.	0.7	31
135	Deep learningâ€"based molecular morphometrics for kidney biopsies. JCI Insight, 2021, 6, .	5.0	31
136	Functional Study of Mammalian Neph Proteins in Drosophila melanogaster. PLoS ONE, 2012, 7, e40300.	2.5	30
137	Renal clearance of polymeric nanoparticles by mimicry of glycan surface of viruses. Biomaterials, 2020, 230, 119643.	11.4	30
138	Management of Tammâ€"Horsfall Protein for Reliable Urinary Analytics. Proteomics - Clinical Applications, 2019, 13, e1900018.	1.6	27
139	Neural metabolic imbalance induced by MOF dysfunction triggers pericyte activation and breakdown of vasculature. Nature Cell Biology, 2020, 22, 828-841.	10.3	27
140	Podocyte Regeneration. American Journal of Pathology, 2013, 183, 333-335.	3.8	25
141	The Rapamycin-Sensitive Complex of Mammalian Target of Rapamycin Is Essential to Maintain Male Fertility. American Journal of Pathology, 2016, 186, 324-336.	3.8	25
142	Hantavirus Infection With Severe Proteinuria and Podocyte Foot-Process Effacement. American Journal of Kidney Diseases, 2014, 64, 452-456.	1.9	24
143	COVID-19â€"associated Nephropathy Includes Tubular Necrosis and Capillary Congestion, with Evidence of SARS-CoV-2 in the Nephron. Kidney360, 2021, 2, 639-652.	2.1	24
144	The class III phosphatidylinositol 3-kinase PIK3C3/VPS34 regulates endocytosis and autophagosome-autolysosome formation in podocytes. Autophagy, 2013, 9, 1097-1099.	9.1	23

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145	Mutations in KIRREL1, a slit diaphragm component, cause steroid-resistant nephrotic syndrome. Kidney International, 2019, 96, 883-889.	5.2	23
146	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.	2.5	22
147	Zona occludens proteins modulate podosome formation and function. FASEB Journal, 2011, 25, 505-514.	0.5	22
148	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.	7.3	22
149	Phosphorylation of BECLIN-1 by BCR-ABL suppresses autophagy in chronic myeloid leukemia. Haematologica, 2020, 105, 1285-1293.	3.5	22
150	Organisation of lymphocytic infiltrates in <scp>ANCA</scp>â€associated glomerulonephritis. Histopathology, 2018, 72, 1093-1101.	2.9	21
151	Xenotropic and polytropic retrovirus receptor 1 regulates procoagulant platelet polyphosphate. Blood, 2021, 137, 1392-1405.	1.4	21
152	GSK3Î^{2} inactivation in podocytes results in decreased phosphorylation of p70^{S6K}accompanied by cytoskeletal rearrangements and inhibited motility. American Journal of Physiology - Renal Physiology, 2011, 300, F1152-F1162.	2.7	19
153	Plasminogen deficiency does not prevent sodium retention in a genetic mouse model of experimental nephrotic syndrome. Acta Physiologica, 2021, 231, e13512.	3.8	19
154	Long-Term Improvement of Chronic Low-Grade Inflammation After Bariatric Surgery. Obesity Surgery, 2021, 31, 2913-2920.	2.1	19
155	EPB41L5 controls podocyte extracellular matrix assembly by adhesome-dependent force transmission. Cell Reports, 2021, 34, 108883.	6.4	19
156	Patient Characteristics and Clinical Course of COVID-19 Patients Treated at a German Tertiary Center during the First and Second Waves in the Year 2020. Journal of Clinical Medicine, 2021, 10, 2274.	2.4	19
157	Calciphylaxis. Lancet, The, 2014, 383, 1067.	13.7	18
158	The chemokine receptor CX3CR1 reduces renal injury in mice with angiotensin II-induced hypertension. American Journal of Physiology - Renal Physiology, 2018, 315, F1526-F1535.	2.7	18
159	A reciprocal regulation of spermidine and autophagy in podocytes maintains the filtration barrier. Kidney International, 2020, 98, 1434-1448.	5.2	18
160	SRGAP1 Controls Small Rho GTPases To Regulate Podocyte Foot Process Maintenance. Journal of the American Society of Nephrology: JASN, 2021, 32, 563-579.	6.1	18
161	Interleukin-9 protects from early podocyte injury and progressive glomerulosclerosis in Adriamycin-induced nephropathy. Kidney International, 2020, 98, 615-629.	5.2	18
162	Collapsing Focal Segmental Glomerulosclerosis in Viral Infections. Frontiers in Immunology, 2021, 12, 800074.	4.8	18

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163	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, 1029-1041.	6.1	17
164	The use of urinary proteomics in the assessment of suitability of mouse models for ageing. PLoS ONE, 2017, 12, e0166875.	2.5	17
165	A homozygous KAT2B variant modulates the clinical phenotype of ADD3 deficiency in humans and flies. PLoS Genetics, 2018, 14, e1007386.	3.5	17
166	Proximal tubular dysfunction in patients with COVID-19: what have we learnt so far?. Kidney International, 2020, 98, 1092-1094.	5.2	17
167	MAGI-1 Interacts with Nephrin to Maintain Slit Diaphragm Structure through Enhanced Rap1 Activation in Podocytes. Journal of Biological Chemistry, 2016, 291, 24406-24417.	3.4	16
168	Perspectives in membranous nephropathy. Cell and Tissue Research, 2021, 385, 405-422.	2.9	16
169	Tripartite Separation of Glomerular Cell Types and Proteomes from Reporter-Free Mice. Journal of the American Society of Nephrology: JASN, 2021, 32, 2175-2193.	6.1	16
170	The cell fate determinant Scribble is required for maintenance of hematopoietic stem cell function. Leukemia, 2018, 32, 1211-1221.	7.2	15
171	AIF1L regulates actomyosin contractility and filopodial extensions in human podocytes. PLoS ONE, 2018, 13, e0200487.	2.5	15
172	Î±-Parvin Defines a Specific Integrin Adhesome to Maintain the Glomerular Filtration Barrier. Journal of the American Society of Nephrology: JASN, 2022, 33, 786-808.	6.1	15
173	The BAR Domain Protein PICK1 Regulates Cell Recognition and Morphogenesis by Interacting with Neph Proteins. Molecular and Cellular Biology, 2011, 31, 3241-3251.	2.3	14
174	Molecular understanding of the slit diaphragm. Pediatric Nephrology, 2013, 28, 1957-1962.	1.7	14
175	Isolating Urinary Extracellular Vesicles as Biomarkers for Diabetic Disease. Methods in Molecular Biology, 2020, 2067, 175-188.	0.9	14
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