Martin HÃ¶hne

List of Publications by Year
in descending order

32 papers	1,442 citations	430874 18 h-index	414414 32 g-index
37 all docs	37 docs citations	37 times ranked	2183 citing authors

#	Article	IF	Citations
1	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
2	The von Hippel-Lindau tumor suppressor protein controls ciliogenesis by orienting microtubule growth. Journal of Cell Biology, 2006, 175, 547-554.	5.2	165
3	A Single-Cell Transcriptome Atlas of the Mouse Glomerulus. Journal of the American Society of Nephrology: JASN, 2018, 29, 2060-2068.	6.1	137
4	The ciliary membraneâ€associated proteome reveals actinâ€binding proteins as key components of cilia. EMBO Reports, 2017, 18, 1521-1535.	4.5	119
5	A molecular mechanism explaining albuminuria in kidney disease. Nature Metabolism, 2020, 2, 461-474.	11.9	99
6	Inhibition of insulin/<scp>IGF</scp>â€1 receptor signaling protects from mitochondriaâ€mediated kidneyÂfailure. EMBO Molecular Medicine, 2015, 7, 275-287.	6.9	61
7	YAP-mediated mechanotransduction determines the podocyteâ€™s response to damage. Science Signaling, 2017, 10, .	3.6	61
8	The proteome microenvironment determines the protective effect of preconditioning in cisplatin-induced acute kidney injury. Kidney International, 2019, 95, 333-349.	5.2	55
9	Single-nephron proteomes connect morphology and function in proteinuric kidney disease. Kidney International, 2018, 93, 1308-1319.	5.2	49
10	The ubiquitin ligase Ubr4 controls stability of podocin/MEC-2 supercomplexes. Human Molecular Genetics, 2016, 25, 1328-1344.	2.9	45
11	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
12	Light Microscopic Visualization of Podocyte Ultrastructure Demonstrates Oscillating Glomerular Contractions. American Journal of Pathology, 2013, 182, 332-338.	3.8	40
13	Three-layered proteomic characterization of a novelACTN4mutation unravels its pathogenic potential in FSGS. Human Molecular Genetics, 2016, 25, 1152-1164.	2.9	36
14	AATF suppresses apoptosis, promotes proliferation and is critical for Kras-driven lung cancer. Oncogene, 2018, 37, 1503-1518.	5.9	26
15	Magnetic resonance T2 mapping and diffusion-weighted imaging for early detection of cystogenesis and response to therapy in a mouse model of polycystic kidney disease. Kidney International, 2017, 92, 1544-1554.	5.2	24
16	Proteome Analysis of Isolated Podocytes Reveals Stress Responses in Glomerular Sclerosis. Journal of the American Society of Nephrology: JASN, 2020, 31, 544-559.	6.1	23
17	A functional variant in NEPH3 gene confers high risk of renal failure in primary hematuric glomerulopathies. Evidence for predisposition to microalbuminuria in the general population. PLoS ONE, 2017, 12, e0174274.	2.5	20
18	A protein-RNA interaction atlas of the ribosome biogenesis factor AATF. Scientific Reports, 2019, 9, 11071.	3.3	19

#	Article	IF	Citations
19	Characterization of a short isoform of the kidney protein podocin in human kidney. BMC Nephrology, 2013, 14, 102.	1.8	18
20	A fast and simple clearing and swelling protocol for 3D in-situ imaging of the kidney across scales. Kidney International, 2021, 99, 1010-1020.	5.2	18
21	A Disease-causing Mutation Illuminates the Protein Membrane Topology of the Kidney-expressed Prohibitin Homology (PHB) Domain Protein Podocin. Journal of Biological Chemistry, 2014, 289, 11262-11271.	3.4	16
22	The RNA-Protein Interactome of Differentiated Kidney Tubular Epithelial Cells. Journal of the American Society of Nephrology: JASN, 2019, 30, 564-576.	6.1	16
23	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
24	Prohibitin-2 Depletion Unravels Extra-Mitochondrial Functions at the Kidney Filtration Barrier. American Journal of Pathology, 2016, 186, 1128-1139.	3.8	12
25	Single and Transient Ca2+ Peaks in Podocytes do not induce Changes in Glomerular Filtration and Perfusion. Scientific Reports, 2016, 6, 35400.	3.3	12
26	Construction of a viral T2A-peptide based knock-in mouse model for enhanced Cre recombinase activity and fluorescent labeling of podocytes. Kidney International, 2017, 91, 1510-1517.	5.2	9
27	A mathematical estimation of the physical forces driving podocyte detachment. Kidney International, 2021, 100, 1054-1062.	5.2	8
28	The NF-Î²B essential modulator (NEMO) controls podocyte cytoskeletal dynamics independently of NF-Î²B. American Journal of Physiology - Renal Physiology, 2015, 309, F617-F626.	2.7	7
29	Super-Resolution Imaging of the Filtration Barrier Suggests a Role for Podocin R229Q in Genetic Predisposition to Glomerular Disease. Journal of the American Society of Nephrology: JASN, 2022, 33, 138-154.	6.1	7
30	Three-Dimensional Super-Resolved Imaging of Paraffin-Embedded Kidney Samples. Kidney360, 2022, 3, 446-454.	2.1	7
31	Scaffold polarity proteins Par3A and Par3B share redundant functions while Par3B acts independent of atypical protein kinase C/Par6 in podocytes to maintain the kidney filtration barrier. Kidney International, 2022, 101, 733-751.	5.2	7
32	Caloric restriction reduces the pro-inflammatory eicosanoid 20-hydroxyeicosatetraenoic acid to protect from acute kidney injury. Kidney International, 2022, 102, 560-576.	5.2	4