Matias Simons

List of Publications by Year
in descending order

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45	8,661	218677	254184
papers	citations	26	43
		h-index	g-index

49	49	49	18160
all docs	docs citations	times ranked	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	Inversin, the gene product mutated in nephronophthisis type II, functions as a molecular switch between Wnt signaling pathways. Nature Genetics, 2005, 37, 537-543.	21.4	680
3	Podocin, a raft-associated component of the glomerular slit diaphragm, interacts with CD2AP and nephrin. Journal of Clinical Investigation, 2001, 108, 1621-1629.	8.2	491
4	Planar Cell Polarity Signaling: From Fly Development to Human Disease. Annual Review of Genetics, 2008, 42, 517-540.	7.6	488
5	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
6	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
7	Electrochemical cues regulate assembly of the Frizzled/Dishevelled complex at the plasma membrane during planar epithelial polarization. Nature Cell Biology, 2009, 11, 286-294.	10.3	160
8	Mutations in sphingosine-1-phosphate lyase cause nephrosis with ichthyosis and adrenal insufficiency. Journal of Clinical Investigation, 2017, 127, 912-928.	8.2	160
9	Involvement of Lipid Rafts in Nephrin Phosphorylation and Organization of the Glomerular Slit Diaphragm. American Journal of Pathology, 2001, 159, 1069-1077.	3.8	142
10	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
11	Regulation of Frizzled-Dependent Planar Polarity Signaling by a V-ATPase Subunit. Current Biology, 2010, 20, 1269-1276.	3.9	113
12	Recessive and Dominant De Novo ITPR1 Mutations Cause Gillespie Syndrome. American Journal of Human Genetics, 2016, 98, 971-980.	6.2	113
13	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
14	APOL1â€“Mediated Cell Injury Involves Disruption of Conserved Trafficking Processes. Journal of the American Society of Nephrology: JASN, 2017, 28, 1117-1130.	6.1	88
15	Wnt Signaling in Polycystic Kidney Disease. Journal of the American Society of Nephrology: JASN, 2007, 18, 1389-1398.	6.1	87
16	Mutations in the X-linked ATP6AP2 cause a glycosylation disorder with autophagic defects. Journal of Experimental Medicine, 2017, 214, 3707-3729.	8.5	62
17	V-ATPase/mTOR Signaling Regulates Megalin-Mediated Apical Endocytosis. Cell Reports, 2014, 8, 10-19.	6.4	59
18	Targeting mTOR Signaling Can Prevent the Progression of FSGS. Journal of the American Society of Nephrology: JASN, 2017, 28, 2144-2157.	6.1	57

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19	Drosophila ATP6AP2/VhaPRR functions both as a novel planar cell polarity core protein and a regulator of endosomal trafficking. EMBO Journal, 2013, 32, 245-259.	7.8	53
20	Regulation of ciliary polarity by the APC/C. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 17799-17804.	7.1	49
21	Elevated expression of the V-ATPase C subunit triggers JNK-dependent cell invasion and overgrowth in a Drosophila epithelium. DMM Disease Models and Mechanisms, 2013, 6, 689-700.	2.4	44
22	Podocyte polarity signalling. Current Opinion in Nephrology and Hypertension, 2009, 18, 324-330.	2.0	37
23	Lysosomal cystine mobilization shapes the response of TORC1 and tissue growth to fasting. Science, 2022, 375, eabc4203.	12.6	35
24	Mutations in the Vâ€ATPase Assembly Factor VMA21 Cause a Congenital Disorder of Glycosylation With Autophagic Liver Disease. Hepatology, 2020, 72, 1968-1986.	7.3	32
25	Novel concepts in understanding and management of glomerular proteinuria. Nephrology Dialysis Transplantation, 2002, 17, 951-955.	0.7	31
26	Molecular Basis for Autosomal-Dominant Renal Fanconi Syndrome Caused by HNF4A. Cell Reports, 2019, 29, 4407-4421.e5.	6.4	31
27	Functional Study of Mammalian Neph Proteins in Drosophila melanogaster. PLoS ONE, 2012, 7, e40300.	2.5	30
28	Using Drosophila nephrocytes in genetic kidney disease. Cell and Tissue Research, 2017, 369, 119-126.	2.9	26
29	Spontaneous and electric fieldâ€“controlled frontâ€“rear polarization of human keratinocytes. Molecular Biology of the Cell, 2015, 26, 4373-4386.	2.1	25
30	ATP6AP2 functions as a V-ATPase assembly factor in the endoplasmic reticulum. Molecular Biology of the Cell, 2018, 29, 2156-2164.	2.1	24
31	Reducing lipid bilayer stress by monounsaturated fatty acids protects renal proximal tubules in diabetes. ELife, 2022, 11, .	6.0	18
32	A homozygous KAT2B variant modulates the clinical phenotype of ADD3 deficiency in humans and flies. PLoS Genetics, 2018, 14, e1007386.	3.5	17
33	De novo SCAMP5 mutation causes a neurodevelopmental disorder with autistic features and seizures. Journal of Medical Genetics, 2020, 57, 138-144.	3.2	17
34	Flying podocytes. Kidney International, 2009, 75, 455-457.	5.2	13
35	Drosophila melanogaster: a simple genetic model of kidney structure, function and disease. Nature Reviews Nephrology, 2022, 18, 417-434.	9.6	13
36	The Benefits of Tubular Proteinuria: An Evolutionary Perspective. Journal of the American Society of Nephrology: JASN, 2018, 29, 710-712.	6.1	12

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37	The role of proton transporters in epithelial Wnt signaling pathways. Pediatric Nephrology, 2011, 26, 1523-1527.	1.7	8
38	Mutations in ATP6AP2 cause autophagic liver disease in humans. Autophagy, 2018, 14, 1-2.	9.1	7
39	Vacuolar ATPase is required for ERKâ€dependent wound healing in the Drosophila embryo. Wound Repair and Regeneration, 2018, 26, 102-107.	3.0	6
40	Old friends form alliance against podocytes. Kidney International, 2011, 80, 1117-1119.	5.2	4
41	Flies With Skin Blisters. Journal of Investigative Dermatology, 2015, 135, 1944-1945.	0.7	4
42	The (pro)renin receptor: whatâ€™s in a name?. Nature Reviews Nephrology, 2020, 16, 304-304.	9.6	4
43	Filling the Gap: Drosophila Nephrocytes as Model System in Kidney Research. Journal of the American Society of Nephrology: JASN, 2019, 30, 719-720.	6.1	3
44	A distributed stochastic perception-action loop model of cell motility. , 2013, , .		0
45	Activation of the proton pump, V-ATPase, triggers JNK-dependent cell invasion and overgrowth in a Drosophila epithelium. Development (Cambridge), 2013, 140, e507-e507.	2.5	0