

Michael Kästgen

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

3,467
citations

236925

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265206

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docs citations

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times ranked

5013
citing authors

#	ARTICLE	IF	CITATIONS
1	Single Gene Mutations in Pkd1 or Tsc2 Alter Extracellular Vesicle Production and Trafficking. <i>Biology</i> , 2022, 11, 709.	2.8	3
2	Loss of PKD1/polycystin-1 impairs lysosomal activity in a CAPN (calpain)-dependent manner. <i>Autophagy</i> , 2021, 17, 2384-2400.	9.1	22
3	A novel mouse model of hyperuricemia expressing a human functional ABCG2 variant. <i>Kidney International</i> , 2021, 99, 12-14.	5.2	4
4	Nobel Prize 2020 in Chemistry honors CRISPR: a tool for rewriting the code of life. <i>Pflügers Archiv European Journal of Physiology</i> , 2021, 473, 1-2.	2.8	29
5	Identification of pathological transcription in autosomal dominant polycystic kidney disease epithelia. <i>Scientific Reports</i> , 2021, 11, 15139.	3.3	1
6	Eomes cannot replace its paralog T-bet during expansion and differentiation of CD8 effector T cells. <i>PLoS Pathogens</i> , 2020, 16, e1008870.	4.7	7
7	Genetic studies of urinary metabolites illuminate mechanisms of detoxification and excretion in humans. <i>Nature Genetics</i> , 2020, 52, 167-176.	21.4	101
8	Mass Spectrometry-Based Analysis of TRPP2 Phosphorylation. <i>Methods in Molecular Biology</i> , 2019, 1987, 51-64.	0.9	2
9	Eomes and Brachyury control pluripotency exit and germ-layer segregation by changing the chromatin state. <i>Nature Cell Biology</i> , 2019, 21, 1518-1531.	10.3	81
10	HIF-1 α drives cyst growth in advanced stages of autosomal dominant polycystic kidney disease. <i>Kidney International</i> , 2018, 94, 849-851.	5.2	6
11	The mitochondrial transporter SLC25A25 links ciliary TRPP2 signaling and cellular metabolism. <i>PLoS Biology</i> , 2018, 16, e2005651.	5.6	18
12	Cilia-localized <i>LKB1</i> regulates chemokine signaling, macrophage recruitment, and tissue homeostasis in the kidney. <i>EMBO Journal</i> , 2018, 37, .	7.8	78
13	Efficient genome editing of differentiated renal epithelial cells. <i>Pflügers Archiv European Journal of Physiology</i> , 2017, 469, 303-311.	2.8	17
14	TRPP2 ion channels: Critical regulators of organ morphogenesis in health and disease. <i>Cell Calcium</i> , 2017, 66, 25-32.	2.4	26
15	Targeted rescue of a polycystic kidney disease mutation by lysosomal inhibition. <i>Kidney International</i> , 2016, 89, 949-955.	5.2	18
16	Cilia and mechanosensation revisited. <i>Nature Reviews Nephrology</i> , 2016, 12, 318-319.	9.6	9
17	The TRPP Subfamily and Polycystin-1 Proteins. <i>Handbook of Experimental Pharmacology</i> , 2014, 222, 675-711.	1.8	39
18	N-Glycosylation Determines the Abundance of the Transient Receptor Potential Channel TRPP2. <i>Journal of Biological Chemistry</i> , 2014, 289, 14854-14867.	3.4	39

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19	Gout-causing Q141K mutation in ABCG2 leads to instability of the nucleotide-binding domain and can be corrected with small molecules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 5223-5228.	7.1	93
20	Induced Pluripotent Stem Cells from Polycystic Kidney Disease Patients: A Novel Tool to Model the Pathogenesis of Cystic Kidney Disease. <i>Journal of the American Society of Nephrology: JASN</i> , 2013, 24, 1507-1509.	6.1	4
21	TRPP Channels and Polycystins. <i>Advances in Experimental Medicine and Biology</i> , 2011, 704, 287-313.	1.6	33
22	ABCG transporters and disease. <i>FEBS Journal</i> , 2011, 278, 3215-3225.	4.7	59
23	Genome-wide association study for serum urate concentrations and gout among African Americans identifies genomic risk loci and a novel URAT1 loss-of-function allele. <i>Human Molecular Genetics</i> , 2011, 20, 4056-4068.	2.9	101
24	Drosophila Sperm Swim Backwards in the Female Reproductive Tract and Are Activated via TRPP2 Ion Channels. <i>PLoS ONE</i> , 2011, 6, e20031.	2.5	62
25	Primary cilia regulate mTORC1 activity and cell size through Lkb1. <i>Nature Cell Biology</i> , 2010, 12, 1115-1122.	10.3	330
26	TRPP2 channels regulate apoptosis through the Ca ²⁺ concentration in the endoplasmic reticulum. <i>EMBO Journal</i> , 2009, 28, 490-499.	7.8	98
27	Identification of a urate transporter, ABCG2, with a common functional polymorphism causing gout. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 10338-10342.	7.1	562
28	TRPP2 and TRPV4 form a polymodal sensory channel complex. <i>Journal of Cell Biology</i> , 2008, 182, 437-447.	5.2	349
29	TRPP2 and TRPV4 form a polymodal sensory channel complex. <i>Journal of General Physiology</i> , 2008, 132, i2-i2.	1.9	2
30	OS-9 Regulates the Transit and Polyubiquitination of TRPV4 in the Endoplasmic Reticulum. <i>Journal of Biological Chemistry</i> , 2007, 282, 36561-36570.	3.4	63
31	TRPP2 and autosomal dominant polycystic kidney disease. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2007, 1772, 836-850.	3.8	65
32	A Taste Receptor Required for the Caffeine Response In Vivo. <i>Current Biology</i> , 2006, 16, 1812-1817.	3.9	228
33	Trafficking of TRPP2 by PACS proteins represents a novel mechanism of ion channel regulation. <i>EMBO Journal</i> , 2005, 24, 705-716.	7.8	237
34	Phosphorylation by casein kinase 2 induces PACS-1 binding of nephrocystin and targeting to cilia. <i>EMBO Journal</i> , 2005, 24, 4415-4424.	7.8	92
35	Subcellular localization and trafficking of polycystins. <i>Pflugers Archiv European Journal of Physiology</i> , 2005, 451, 286-293.	2.8	61
36	An inwardly rectifying whole cell current induced by Gq-coupled receptors. <i>Biochemical and Biophysical Research Communications</i> , 2004, 322, 177-185.	2.1	3

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37	P2Y6 receptor mediates colonic NaCl secretion via differential activation of cAMP-mediated transport. Journal of Clinical Investigation, 2003, 111, 371-379.	8.2	38
38	P2Y6 receptor mediates colonic NaCl secretion via differential activation of cAMP-mediated transport. Journal of Clinical Investigation, 2003, 111, 371-379.	8.2	69
39	Interaction of 14-3-3 Protein with Regulator of G Protein Signaling 7 Is Dynamically Regulated by Tumor Necrosis Factor- α . Journal of Biological Chemistry, 2002, 277, 32954-32962.	3.4	51
40	Characterisation of the Rat SK4/IK1 K ⁺ Channel. Cellular Physiology and Biochemistry, 2001, 11, 219-230.	1.6	43
41	Interaction with Podocin Facilitates Nephrin Signaling. Journal of Biological Chemistry, 2001, 276, 41543-41546.	3.4	304
42	Acetylcholine Increases the Free Intracellular Calcium Concentration in Podocytes in Intact Rat Glomeruli via Muscarinic M5 Receptors. Journal of the American Society of Nephrology: JASN, 2001, 12, 678-687.	6.1	18