

# Mathilde Keck

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

601  
citations

687220

13  
h-index

677027

22  
g-index

25  
all docs

25  
docs citations

25  
times ranked

770  
citing authors

#	ARTICLE	IF	CITATIONS
1	Renal phenotype in mice lacking the Kir5.1 ( <i>Kcnj16</i> ) K <sup>+</sup> channel subunit contrasts with that observed in SeSAME/EAST syndrome. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 10361-10366.	3.3	95
2	Clinical and Genetic Spectrum of Bartter Syndrome Type 3. Journal of the American Society of Nephrology: JASN, 2017, 28, 2540-2552.	3.0	92
3	The CLC-K2 Chloride Channel Is Critical for Salt Handling in the Distal Nephron. Journal of the American Society of Nephrology: JASN, 2017, 28, 209-217.	3.0	87
4	CLC-K chloride channels: emerging pathophysiology of Bartter syndrome type 3. American Journal of Physiology - Renal Physiology, 2015, 308, F1324-F1334.	1.3	52
5	Emergence of Orai3 activity during cardiac hypertrophy. Cardiovascular Research, 2015, 105, 248-259.	1.8	36
6	Heterogeneity in the processing of <i>CLCN5</i> mutants related to Dent disease. Human Mutation, 2011, 32, 476-483.	1.1	30
7	Novel <i>CLCNKB</i> Mutations Causing Bartter Syndrome Affect Channel Surface Expression. Human Mutation, 2013, 34, 1269-1278.	1.1	27
8	Characterization of the mouse CLC-K1/Barttin chloride channel. Biochimica Et Biophysica Acta - Biomembranes, 2013, 1828, 2399-2409.	1.4	25
9	CLCNKB mutations causing mild Bartter syndrome profoundly alter the pH and Ca <sup>2+</sup> dependence of CLC-Kb channels. Pflugers Archiv European Journal of Physiology, 2014, 466, 1713-1723.	1.3	23
10	Brain renin-angiotensin system blockade with orally active aminopeptidase A inhibitor prevents cardiac dysfunction after myocardial infarction in mice. Journal of Molecular and Cellular Cardiology, 2019, 127, 215-222.	0.9	22
11	Mutations in SLC2A2 Gene Reveal hGLUT2 Function in Pancreatic $\hat{I}^2$ Cell Development. Journal of Biological Chemistry, 2013, 288, 31080-31092.	1.6	21
12	NI956/QGC006, a Potent Orally Active, Brain-Penetrating Aminopeptidase A Inhibitor for Treating Hypertension. Hypertension, 2019, 73, 1300-1307.	1.3	17
13	Cardiac inflammatory CD11b/c cells exert a protective role in hypertrophied cardiomyocyte by promoting TNFR2- and Orai3- dependent signaling. Scientific Reports, 2019, 9, 6047.	1.6	15
14	A metabolically stable apelin-17 analog decreases AVP-induced antidiuresis and improves hyponatremia. Nature Communications, 2021, 12, 305.	5.8	15
15	Orally Active Aminopeptidase A Inhibitor Prodrugs: Current State and Future Directions. Current Hypertension Reports, 2019, 21, 50.	1.5	7
16	Analysis of <i>CLCNKB</i> mutations at dimer interface, calcium binding site, and pore reveals a variety of functional alterations in CLC-Kb channel leading to Bartter syndrome. Human Mutation, 2020, 41, 774-785.	1.1	6
17	LIT01-196, a Metabolically Stable Apelin-17 Analog, Normalizes Blood Pressure in Hypertensive DOCA-Salt Rats via a NO Synthase-dependent Mechanism. Frontiers in Pharmacology, 2021, 12, 715095.	1.6	6
18	Early activation of the cardiac CX3CL1/CX3CR1 axis delays $\hat{I}^2$ -adrenergic-induced heart failure. Scientific Reports, 2021, 11, 17982.	1.6	6

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19	Monitoring In Vivo Performances of Proteinâ€“Drug Conjugates Using Site-Selective Dual Radiolabeling and Ex Vivo Digital Imaging. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 6953-6968.	2.9	6
20	First evidence that emerging pinnatoxin-G, a contaminant of shellfish, reaches the brain and crosses the placental barrier. <i>Science of the Total Environment</i> , 2021, 790, 148125.	3.9	5
21	A variant of ASIC2 mediates sodium retention in nephrotic syndrome. <i>JCI Insight</i> , 2021, 6, .	2.3	4
22	QGC606: A Best-in-Class Orally Active Centrally Acting Aminopeptidase A Inhibitor Prodrug for Treating Heart Failure Following Myocardial Infarction. <i>Canadian Journal of Cardiology</i> , 2022, 38, 815-827.	0.8	4
23	Functional analysis of novel CLCNKB mutations in patients with Bartter syndrome. <i>FASEB Journal</i> , 2011, 25, lb619.	0.2	0
24	TNFR2â€“mediated Survival via Orailâ€“dependent Calcium Influx in Compensated Cardiac Hypertrophy. <i>FASEB Journal</i> , 2015, 29, LB486.	0.2	0
25	C910 chemical compound inhibits the trafficking of several bacterial AB toxins with cross-protection against influenza virus. <i>IScience</i> , 2022, 25, 104537.	1.9	0