

Rikke Nielsen

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

3,137
citations

257450

24
h-index

243625

44
g-index

48
all docs

48
docs citations

48
times ranked

4607
citing authors

#	ARTICLE	IF	CITATIONS
1	Megalyn and cubilin in proximal tubule protein reabsorption: from experimental models to human disease. <i>Kidney International</i> , 2016, 89, 58-67.	5.2	321
2	Loss of chloride channel CLC-5 impairs endocytosis by defective trafficking of megalin and cubilin in kidney proximal tubules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 8472-8477.	7.1	290
3	Attenuation of cGAS-STING signaling is mediated by a p62/SQSTM1-dependent autophagy pathway activated by TBK1. <i>EMBO Journal</i> , 2018, 37, .	7.8	283
4	Cubilin Is Essential for Albumin Reabsorption in the Renal Proximal Tubule. <i>Journal of the American Society of Nephrology: JASN</i> , 2010, 21, 1859-1867.	6.1	254
5	<i>Listeria monocytogenes</i> induces IFN γ expression through an IFI16, cGAS and STING-dependent pathway. <i>EMBO Journal</i> , 2014, 33, 1654-1666.	7.8	232
6	Endocytic Receptors in the Renal Proximal Tubule. <i>Physiology</i> , 2012, 27, 223-236.	3.1	204
7	Receptor-mediated endocytosis in renal proximal tubule. <i>Pflugers Archiv European Journal of Physiology</i> , 2009, 458, 1039-1048.	2.8	199
8	The tandem endocytic receptors megalin and cubilin are important proteins in renal pathology. <i>Kidney International</i> , 2002, 62, 745-756.	5.2	135
9	Endocytosis provides a major alternative pathway for lysosomal biogenesis in kidney proximal tubular cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 5407-5412.	7.1	97
10	Receptor-Mediated Endocytosis of β -Galactosidase A in Human Podocytes in Fabry Disease. <i>PLoS ONE</i> , 2011, 6, e25065.	2.5	96
11	Proteinuria and events beyond the slit. <i>Pediatric Nephrology</i> , 2010, 25, 813-822.	1.7	85
12	Renal phenotypic investigations of megalin-deficient patients: novel insights into tubular proteinuria and albumin filtration*. <i>Nephrology Dialysis Transplantation</i> , 2013, 28, 585-591.	0.7	71
13	Mouse model of proximal tubule endocytic dysfunction. <i>Nephrology Dialysis Transplantation</i> , 2011, 26, 3446-3451.	0.7	62
14	A Patient with Cubilin Deficiency. <i>New England Journal of Medicine</i> , 2011, 364, 89-91.	27.0	59
15	Site-specific O-glycosylation of members of the low-density lipoprotein receptor superfamily enhances ligand interactions. <i>Journal of Biological Chemistry</i> , 2018, 293, 7408-7422.	3.4	57
16	Megalyn in acute kidney injury: foe and friend. <i>American Journal of Physiology - Renal Physiology</i> , 2014, 306, F147-F154.	2.7	50
17	The effect of progressive glomerular disease on megalin-mediated endocytosis in the kidney. <i>Nephrology Dialysis Transplantation</i> , 2010, 25, 2458-2467.	0.7	44
18	Increased lysosomal proteolysis counteracts protein accumulation in the proximal tubule during focal segmental glomerulosclerosis. <i>Kidney International</i> , 2013, 84, 902-910.	5.2	44

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19	From bowel to kidneys: the role of cubilin in physiology and disease. <i>Nephrology Dialysis Transplantation</i> , 2013, 28, 274-281.	0.7	43
20	Distribution of β -Galactosidase A in Normal Human Kidney and Renal Accumulation and Distribution of Recombinant β -Galactosidase A in Fabry Mice. <i>Journal of the American Society of Nephrology: JASN</i> , 2007, 18, 698-706.	6.1	40
21	Distinct functions of megalin and cubilin receptors in recovery of normal and nephrotic levels of filtered albumin. <i>American Journal of Physiology - Renal Physiology</i> , 2020, 318, F1284-F1294.	2.7	37
22	Abolishment of proximal tubule albumin endocytosis does not affect plasma albumin during nephrotic syndrome in mice. <i>Kidney International</i> , 2018, 93, 335-342.	5.2	35
23	Urokinase-type plasminogen activator contributes to amiloride-sensitive sodium retention in nephrotic range glomerular proteinuria in mice. <i>Acta Physiologica</i> , 2019, 227, e13362.	3.8	30
24	APD-Containing Cyclolipodepsipeptides Target Mitochondrial Function in Hypoxic Cancer Cells. <i>Cell Chemical Biology</i> , 2018, 25, 1337-1349.e12.	5.2	27
25	Mannose 6-Phosphate Receptor and Sortilin Mediated Endocytosis of β -Galactosidase A in Kidney Endothelial Cells. <i>PLoS ONE</i> , 2012, 7, e39975.	2.5	26
26	Long-term enzyme replacement therapy is associated with reduced proteinuria and preserved proximal tubular function in women with Fabry disease. <i>Nephrology Dialysis Transplantation</i> , 2014, 29, 619-625.	0.7	26
27	Vitamin D in Tear Fluid. , 2015, 56, 5880.		26
28	Chronic kidney disease and neurological disorders: are uraemic toxins the missing piece of the puzzle?. <i>Nephrology Dialysis Transplantation</i> , 2021, 37, ii33-ii44.	0.7	26
29	Megalina deficiency causes high myopia, retinal pigment epithelium-macromelanosomes and abnormal development of the ciliary body in mice. <i>Cell and Tissue Research</i> , 2014, 358, 99-107.	2.9	25
30	Cognitive disorders in patients with chronic kidney disease: specificities of clinical assessment. <i>Nephrology Dialysis Transplantation</i> , 2021, 37, ii23-ii32.	0.7	25
31	Generation of Urinary Albumin Fragments Does Not Require Proximal Tubular Uptake. <i>Journal of the American Society of Nephrology: JASN</i> , 2012, 23, 591-596.	6.1	23
32	Transcellular Transport of Vitamin B12 in LLC-PK1 Renal Proximal Tubule Cells. <i>Journal of the American Society of Nephrology: JASN</i> , 2001, 12, 1099-1106.	6.1	23
33	Megalina dependent urinary cystatin C excretion in ischemic kidney injury in rats. <i>PLoS ONE</i> , 2017, 12, e0178796.	2.5	18
34	A well-developed endolysosomal system reflects protein reabsorption in segment 1 and 2 of rat proximal tubules. <i>Kidney International</i> , 2021, 99, 841-853.	5.2	17
35	Acidosis, cognitive dysfunction and motor impairments in patients with kidney disease. <i>Nephrology Dialysis Transplantation</i> , 2021, 37, ii4-ii12.	0.7	16
36	Renal uptake of the antiapoptotic protein survivin is mediated by megalin at the apical membrane of the proximal tubule. <i>American Journal of Physiology - Renal Physiology</i> , 2013, 305, F734-F744.	2.7	14

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37	Selective Ablation of Megalin in the Retinal Pigment Epithelium Results in Megaophthalmos, Macromelanosome Formation and Severe Retina Degeneration. , 2019, 60, 322.		13
38	Beyond the tubule: pathological variants of <i>LRP2</i>, encoding the megalin receptor, result in glomerular loss and early progressive chronic kidney disease. American Journal of Physiology - Renal Physiology, 2020, 319, F988-F999.	2.7	13
39	Protection of Cystinotic Mice by Kidney-Specific Megalin Ablation Supports an Endocytosis-Based Mechanism for Nephropathic Cystinosis Progression. Journal of the American Society of Nephrology: JASN, 2019, 30, 2177-2190.	6.1	12
40	Induced pluripotent stem cell-based disease modeling identifies ligand-induced decay of megalin as a cause of Donnai-Barrow syndrome. Kidney International, 2020, 98, 159-167.	5.2	11
41	Migraineâ€Associated Mutation in the Na,Kâ€ATPase Leads to Disturbances in Cardiac Metabolism and Reduced Cardiac Function. Journal of the American Heart Association, 2022, 11, e021814.	3.7	9
42	Enzyme Replacement Therapy During Pregnancy in Fabry Patients. JIMD Reports, 2018, 44, 93-101.	1.5	5
43	Immature megalin expression in the preterm neonatal kidney is associated with urinary loss of vitamin carrier proteins. Pediatric Research, 2019, 85, 405-411.	2.3	5
44	Sodium retention by uPAâ€plasminâ€ENaC in nephrotic syndromeâ€Authors reply. Acta Physiologica, 2020, 228, e13432.	3.8	4
45	In vitro study on effect of bardoxolone methyl on cisplatin-induced cellular senescence in human proximal tubular cells. Molecular and Cellular Biochemistry, 2022, 477, 689-699.	3.1	4
46	The Authors Reply. Kidney International, 2018, 93, 1014-1015.	5.2	1
47	SP015SUCCESSFUL OUTCOME OF PREGNANCY IN A SEVERLY AFFECTED FEMALE PATIENT WITH FABRY DISEASE COMPLICATED BY PRE-ECLAMPSIA: CLINICAL MANAGEMENT AND PLACENTAL EXAMINATION. Nephrology Dialysis Transplantation, 2018, 33, i351-i352.	0.7	0
48	Present and future of CONNECT: a new and compelling project of modern medicine. Nephrology Dialysis Transplantation, 2021, 37, ii1-ii3.	0.7	0