

Rikke NÃrregaard

List of Publications by Year in descending order

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Version: 2024-02-01

77
papers

1,318
citations

394286

19
h-index

395590

33
g-index

77
all docs

77
docs citations

77
times ranked

1874
citing authors

#	ARTICLE	IF	CITATIONS
1	Physiology and pathophysiology of cyclooxygenase-2 and prostaglandin E2 in the kidney. <i>Kidney Research and Clinical Practice</i> , 2015, 34, 194-200.	0.9	144
2	COX-2 inhibition prevents downregulation of key renal water and sodium transport proteins in response to bilateral ureteral obstruction. <i>American Journal of Physiology - Renal Physiology</i> , 2005, 289, F322-F333.	1.3	95
3	Chitosan/siRNA Nanoparticles Targeting Cyclooxygenase Type 2 Attenuate Unilateral Ureteral Obstruction-induced Kidney Injury in Mice. <i>Theranostics</i> , 2015, 5, 110-123.	4.6	72
4	High altitude may alter oxygen availability and renal metabolism in diabetics as measured by hyperpolarized [¹³ C]pyruvate magnetic resonance imaging. <i>Kidney International</i> , 2014, 86, 67-74.	2.6	64
5	Urinary NGAL, cystatin C, \hat{I}^{22} -microglobulin, and osteopontin significance in hydronephrotic children. <i>Pediatric Nephrology</i> , 2012, 27, 2099-2106.	0.9	54
6	Activation of the prostaglandin E ₂ EP ₂ receptor attenuates renal fibrosis in unilateral ureteral obstructed mice and human kidney slices. <i>Acta Physiologica</i> , 2019, 227, e13291.	1.8	41
7	Insufficient insulin administration to diabetic rats increases substrate utilization and maintains lactate production in the kidney. <i>Physiological Reports</i> , 2014, 2, e12233.	0.7	39
8	Renal ischemia and reperfusion assessment with three-dimensional hyperpolarized ¹³ C, ¹⁵ N ² urea. <i>Magnetic Resonance in Medicine</i> , 2016, 76, 1524-1530.	1.9	36
9	In situ lactate dehydrogenase activity: a novel renal cortical imaging biomarker of tubular injury?. <i>American Journal of Physiology - Renal Physiology</i> , 2017, 312, F465-F473.	1.3	36
10	COX-2 activity transiently contributes to increased water and NaCl excretion in the polyuric phase after release of ureteral obstruction. <i>American Journal of Physiology - Renal Physiology</i> , 2007, 292, F1322-F1333.	1.3	34
11	ROS dependence of cyclooxygenase-2 induction in rats subjected to unilateral ureteral obstruction. <i>American Journal of Physiology - Renal Physiology</i> , 2014, 306, F259-F270.	1.3	33
12	Disruption of cyclooxygenase-2 prevents downregulation of cortical AQP2 and AQP3 in response to bilateral ureteral obstruction in the mouse. <i>American Journal of Physiology - Renal Physiology</i> , 2012, 302, F1430-F1439.	1.3	32
13	Renoprotective Effects of Metformin are Independent of Organic Cation Transporters 1 & 2 and AMP-activated Protein Kinase in the Kidney. <i>Scientific Reports</i> , 2016, 6, 35952.	1.6	32
14	Endothelial dysfunction in small arteries and early signs of atherosclerosis in ApoE knockout rats. <i>Scientific Reports</i> , 2020, 10, 15296.	1.6	30
15	Urinary tract obstruction induces transient accumulation of COX-2-derived prostanoids in kidney tissue. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2010, 298, R1017-R1025.	0.9	29
16	Theranostic poly(lactic-co-glycolic acid) nanoparticle for magnetic resonance/infrared fluorescence bimodal imaging and efficient siRNA delivery to macrophages and its evaluation in a kidney injury model. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017, 13, 2451-2462.	1.7	27
17	Glycogen synthase kinase 3 β regulates urine concentrating mechanism in mice. <i>American Journal of Physiology - Renal Physiology</i> , 2015, 308, F650-F660.	1.3	26
18	Disruption of cyclooxygenase type 2 exacerbates apoptosis and renal damage during obstructive nephropathy. <i>American Journal of Physiology - Renal Physiology</i> , 2015, 309, F1035-F1048.	1.3	22

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19	Increased cyclooxygenase-2 expression and prostaglandin E ₂ production in pressurized renal medullary interstitial cells. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2010, 299, R823-R831.	0.9	21
20	Can bladder fibrosis in congenital urinary tract obstruction be reversed?. <i>Journal of Pediatric Urology</i> , 2017, 13, 574-580.	0.6	20
21	Ontogeny of the mammalian kidney: expression of aquaporins 1, 2, 3, and 4. <i>World Journal of Pediatrics</i> , 2014, 10, 306-312.	0.8	19
22	Unilateral nephrectomy diminishes ischemic acute kidney injury through enhanced perfusion and reduced pro-inflammatory and pro-fibrotic responses. <i>PLoS ONE</i> , 2017, 12, e0190009.	1.1	19
23	Quercetin attenuates cyclooxygenase-2 expression in response to acute ureteral obstruction. <i>American Journal of Physiology - Renal Physiology</i> , 2015, 308, F1297-F1305.	1.3	18
24	Megalin dependent urinary cystatin C excretion in ischemic kidney injury in rats. <i>PLoS ONE</i> , 2017, 12, e0178796.	1.1	18
25	Sorting Nexin 27 Regulates the Lysosomal Degradation of Aquaporin-2 Protein in the Kidney Collecting Duct. <i>Cells</i> , 2020, 9, 1208.	1.8	17
26	COX-2 disruption leads to increased central vasopressin stores and impaired urine concentrating ability in mice. <i>American Journal of Physiology - Renal Physiology</i> , 2011, 301, F1303-F1313.	1.3	16
27	Metformin attenuates renal medullary hypoxia in diabetic nephropathy through inhibition uncoupling protein-2. <i>Diabetes/Metabolism Research and Reviews</i> , 2019, 35, e3091.	1.7	16
28	Predictive Value of Precision-Cut Kidney Slices as an Ex Vivo Screening Platform for Therapeutics in Human Renal Fibrosis. <i>Pharmaceutics</i> , 2020, 12, 459.	2.0	16
29	Remote ischemic preconditioning attenuates ischemia/reperfusion-induced downregulation of AQP2 in rat kidney. <i>Physiological Reports</i> , 2016, 4, e12865.	0.7	15
30	Postoperative C-reactive protein concentration and clinical outcome: comparison of open cystectomy to robot-assisted laparoscopic cystectomy with extracorporeal or intracorporeal urinary diversion in a prospective study. <i>Scandinavian Journal of Urology</i> , 2017, 51, 381-387.	0.6	15
31	Tamoxifen attenuates development of lithium-induced nephrogenic diabetes insipidus in rats. <i>American Journal of Physiology - Renal Physiology</i> , 2018, 314, F1020-F1025.	1.3	15
32	Metformin modulates immune cell infiltration into the kidney during unilateral ureteral obstruction in mice. <i>Physiological Reports</i> , 2019, 7, e14141.	0.7	14
33	No Effect of Remote Ischemic Conditioning Strategies on Recovery from Renal Ischemia-Reperfusion Injury and Protective Molecular Mediators. <i>PLoS ONE</i> , 2015, 10, e0146109.	1.1	13
34	Tamoxifen attenuates renal fibrosis in human kidney slices and rats subjected to unilateral ureteral obstruction. <i>Biomedicine and Pharmacotherapy</i> , 2021, 133, 111003.	2.5	13
35	Urine liver fatty acid binding protein and chronic kidney disease progression. <i>Scandinavian Journal of Clinical and Laboratory Investigation</i> , 2017, 77, 549-554.	0.6	12
36	Organ-specific metabolic profiles of the liver and kidney during brain death and afterwards during normothermic machine perfusion of the kidney. <i>American Journal of Transplantation</i> , 2020, 20, 2425-2436.	2.6	12

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37	Lack of P2X7 Receptors Protects against Renal Fibrosis after Pyelonephritis with β -Hemolysin-Producing Escherichia coli. American Journal of Pathology, 2019, 189, 1201-1211.	1.9	11
38	Testing Danegaptide Effects on Kidney Function after Ischemia/Reperfusion Injury in a New Porcine Two Week Model. PLoS ONE, 2016, 11, e0164109.	1.1	11
39	Prostaglandin E2 receptors as therapeutic targets in renal fibrosis. Kidney Research and Clinical Practice, 2022, 41, 4-13.	0.9	11
40	Influence of sex on aquaporin-4 and vasopressin V2 receptor expression in the pig kidney during development. Pediatric Research, 2016, 80, 452-459.	1.1	10
41	Pretransplant endotrophin predicts delayed graft function after kidney transplantation. Scientific Reports, 2022, 12, 4079.	1.6	10
42	Transglutaminase 2 as a novel target in chronic kidney disease – Methods, mechanisms and pharmacological inhibition. , 2021, 222, 107787.		9
43	Cytoskeletal protein degradation in brain death donor kidneys associates with adverse posttransplant outcomes. American Journal of Transplantation, 2022, 22, 1073-1087.	2.6	9
44	Vasopressin-Independent Regulation of Aquaporin-2 by Tamoxifen in Kidney Collecting Ducts. Frontiers in Physiology, 2019, 10, 948.	1.3	8
45	A non-invasive biomarker of type III collagen degradation reflects ischaemia reperfusion injury in rats. Nephrology Dialysis Transplantation, 2019, 34, 1301-1309.	0.4	8
46	MicroRNA-148b regulates megalin expression and is associated with receptor downregulation in mice with unilateral ureteral obstruction. American Journal of Physiology - Renal Physiology, 2017, 313, F210-F217.	1.3	7
47	Tamoxifen Decreases Lithium-Induced Natriuresis in Rats With Nephrogenic Diabetes Insipidus. Frontiers in Physiology, 2018, 9, 903.	1.3	7
48	Glucagon infusion alters the hyperpolarized ^{13}C -urea renal hemodynamic signature. NMR in Biomedicine, 2019, 32, e4028.	1.6	7
49	Hyperpolarized [^{13}C] alanine production: A novel imaging biomarker of renal fibrosis. Magnetic Resonance in Medicine, 2020, 84, 2063-2073.	1.9	7
50	Acute pyelonephritis: Increased plasma membrane targeting of renal aquaporin-2. Acta Physiologica, 2022, 234, e13760.	1.8	7
51	Increased renal adrenomedullin expression in rats with ureteral obstruction. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2009, 296, R185-R192.	0.9	6
52	EP ₁ receptor antagonism mitigates early and late stage renal fibrosis. Acta Physiologica, 2022, 234, e13780.	1.8	6
53	Detection and quantification of intracellular bacterial colonies by automated, high-throughput microscopy. Journal of Microbiological Methods, 2017, 139, 37-44.	0.7	5
54	Pressure and stretch differentially affect proliferation of renal proximal tubular cells. Physiological Reports, 2017, 5, e13346.	0.7	5

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55	Noninvasive Assessment of Fibrosis Following Ischemia/Reperfusion Injury in Rodents Utilizing Na Magnetic Resonance Imaging. <i>Pharmaceutics</i> , 2020, 12, 775.	2.0	5
56	Estrogen regulates aquaporin-2 expression in the kidney. <i>Vitamins and Hormones</i> , 2020, 112, 243-264.	0.7	5
57	Local Inhibition of Indoleamine 2,3-Dioxygenase Mitigates Renal Fibrosis. <i>Biomedicines</i> , 2021, 9, 856.	1.4	5
58	Unilateral ureteral obstruction induces DNA repair by APE1. <i>American Journal of Physiology - Renal Physiology</i> , 2016, 310, F763-F776.	1.3	4
59	Elevated plasma free thiols are associated with early and one-year graft function in renal transplant recipients. <i>PLoS ONE</i> , 2021, 16, e0255930.	1.1	4
60	Development of intestinal ischemia/reperfusion-induced acute kidney injury in rats with or without chronic kidney disease: Cytokine/chemokine response and effect of α -melanocyte-stimulating hormone. <i>Kidney Research and Clinical Practice</i> , 2014, 33, 79-88.	0.9	3
61	Increased α -COX after ureter obstruction attenuates fibrosis and is associated with α -EP2 receptor upregulation in mouse and human kidney. <i>Acta Physiologica</i> , 2022, , e13828.	1.8	3
62	15-Deoxy- $\Delta^12,14$ -prostaglandin J2 Exerts Antioxidant Effects While Exacerbating Inflammation in Mice Subjected to Ureteral Obstruction. <i>Mediators of Inflammation</i> , 2017, 2017, 1-10.	1.4	2
63	Phenformin Attenuates Renal Injury in Unilateral Ureteral Obstructed Mice without Affecting Immune Cell Infiltration. <i>Pharmaceutics</i> , 2020, 12, 301.	2.0	2
64	Gender-dependent bladder response to one-day bladder outlet obstruction. <i>Journal of Pediatric Urology</i> , 2021, 17, 170.e1-170.e10.	0.6	2
65	α -Melanocyte Stimulating Hormone Treatment in Pigs Does Not Improve Early Graft Function in Kidney Transplants from Brain Dead Donors. <i>PLoS ONE</i> , 2014, 9, e94609.	1.1	2
66	Evaluation of robot-assisted laparoscopic versus open cystectomy and effect of carbon dioxide-pneumoperitoneum on histopathological findings in ureteroenteric anastomoses: results from an experimental randomized porcine study. <i>Scandinavian Journal of Urology</i> , 2017, 51, 50-56.	0.6	1
67	Robot-assisted laparoscopic cystectomy with intracorporeal urinary diversion vs. open mini-laparotomy cystectomy: evaluation of surgical inflammatory response and immunosuppressive ability of CO ₂ -pneumoperitoneum in an experimental porcine study. <i>Scandinavian Journal of Urology</i> , 2018, 52, 249-255.	0.6	1
68	Data for automated, high-throughput microscopy analysis of intracellular bacterial colonies using spot detection. <i>Data in Brief</i> , 2017, 14, 643-647.	0.5	0
69	FP213 NON-INVASIVE ASSESSMENT OF THE FIBROGENIC RESPONSE FOLLOWING ISCHEMIA/REPERFUSION INJURY IN RODENTS. <i>Nephrology Dialysis Transplantation</i> , 2018, 33, i102-i103.	0.4	0
70	Disruption of cyclooxygenase-2 prevents downregulation of cortical AQP2 and AQP3 in response to bilateral ureteral obstruction. <i>FASEB Journal</i> , 2011, 25, .	0.2	0
71	HSP27 regulation in acute unilateral obstructed kidney, along with RMIC and collecting duct cells subjected to mechanical, oxidative, and inflammatory stress. <i>FASEB Journal</i> , 2012, 26, 691.7.	0.2	0
72	COX-2 inhibition exacerbates SOD1 downregulation and the progression of renal oxidative stress in response to UUO. <i>FASEB Journal</i> , 2012, 26, 691.4.	0.2	0

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73	COXâ€² induction is ROS dependent in rats during 3 days unilateral ureteral obstruction. FASEB Journal, 2013, 27, .	0.2	0
74	Quercetin attenuates induction of COXâ€² in rats subjected to acute unilateral ureteral obstruction (1096.8). FASEB Journal, 2014, 28, 1096.8.	0.2	0
75	Cyclooxygenaseâ€² Regulates the Renal Expression of Indoleamine 2,3â€²dioxygenase. FASEB Journal, 2019, 33, 802.69.	0.2	0
76	Editorial: Organ Fibrosis: Pathogenesis, Biomarkers and Therapeutic Targets. Frontiers in Medicine, 2021, 8, 793507.	1.2	0
77	MO063: A New Tool for Preclinical Research and Drug Discovery: Extracellular Matrix Remodeling Quantification in Human Precision-Cut Kidney Slices. Nephrology Dialysis Transplantation, 2022, 37, .	0.4	0