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List of Publications by Year
in descending order

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90 papers	2,488 citations	236925 25 h-index	214800 47 g-index
129 all docs	129 docs citations	129 times ranked	3638 citing authors

#	Article	IF	Citations
1	The impact of insulin resistance on the kidney and vasculature. Nature Reviews Nephrology, 2016, 12, 721-737.	9.6	241
2	FAN1 mutations cause karyomegalic interstitial nephritis, linking chronic kidney failure to defective DNA damage repair. Nature Genetics, 2012, 44, 910-915.	21.4	205
3	Effect of SGLT2 inhibitors on body composition, fluid status and reninâ€“angiotensinâ€“aldosterone system in type 2 diabetes: a prospective study using bioimpedance spectroscopy. Cardiovascular Diabetology, 2019, 18, 46.	6.8	146
4	The physiological impact of the serum and glucocorticoid-inducible kinase SGK1. Current Opinion in Nephrology and Hypertension, 2009, 18, 439-448.	2.0	125
5	Suicidal erythrocyte death in end-stage renal disease. Journal of Molecular Medicine, 2014, 92, 871-879.	3.9	113
6	Serum erythropoietin concentrations and responses to anaemia in patients with or without chronic kidney disease. Nephrology Dialysis Transplantation, 2007, 22, 2900-2908.	0.7	105
7	After ten years of follow-up, no difference between supportive care plus immunosuppression and supportive care alone in IgA nephropathy. Kidney International, 2020, 98, 1044-1052.	5.2	103
8	mTORC1 maintains renal tubular homeostasis and is essential in response to ischemic stress. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E2817-26.	7.1	82
9	mTOR Regulates Endocytosis and Nutrient Transport in Proximal Tubular Cells. Journal of the American Society of Nephrology: JASN, 2017, 28, 230-241.	6.1	79
10	Aprotinin prevents proteolytic epithelial sodium channel (ENaC) activation and volume retention in nephrotic syndrome. Kidney International, 2018, 93, 159-172.	5.2	77
11	Prognostic Value and Link to Atrial Fibrillation of Soluble Klotho and FGF23 in Hemodialysis Patients. PLoS ONE, 2014, 9, e100688.	2.5	62
12	Sensitive Troponins â€“ Which Suits Better for Hemodialysis Patients? Associated Factors and Prediction of Mortality. PLoS ONE, 2012, 7, e47610.	2.5	50
13	Blunted DOCA/high salt induced albuminuria and renal tubulointerstitial damage in gene-targeted mice lacking SGK1. Journal of Molecular Medicine, 2006, 84, 737-746.	3.9	49
14	Reduced Erythrocyte Survival in Uremic Patients Under Hemodialysis or Peritoneal Dialysis. Kidney and Blood Pressure Research, 2016, 41, 966-977.	2.0	46
15	Association of Plasminuria with Overhydration in Patients with CKD. Clinical Journal of the American Society of Nephrology: CJASN, 2016, 11, 761-769.	4.5	46
16	Quantitative Assessment of Glomerular Filtration Rate with MR Gadolinium Slope Clearance Measurements: A Phase I Trial. Radiology, 2007, 242, 783-790.	7.3	43
17	Proteasuriaâ€"The impact of active urinary proteases on sodium retention in nephrotic syndrome. Acta Physiologica, 2019, 225, e13249.	3.8	43
18	Obesity and renal disease: not all fat is created equal and not all obesity is harmful to the kidneys. Nephrology Dialysis Transplantation, 2016, 31, 726-730.	0.7	40

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19	Eryptosis - the Neglected Cause of Anemia in End Stage Renal Disease. Kidney and Blood Pressure Research, 2017, 42, 749-760.	2.0	40
20	Proteinuric chronic kidney disease is associated with altered red blood cell lifespan, deformability and metabolism. Kidney International, 2021, 100, 1227-1239.	5.2	37
21	mTORC2 critically regulates renal potassium handling. Journal of Clinical Investigation, 2016, 126, 1773-1782.	8.2	37
22	Urokinaseâ€type plasminogen activator (uPA) is not essential for epithelial sodium channel (ENaC)â€mediated sodium retention in experimental nephrotic syndrome. Acta Physiologica, 2019, 227, e13286.	3.8	36
23	Plasma kallikrein activates the epithelial sodium channel inÂvitro but is not essential for volume retention in nephrotic mice. Acta Physiologica, 2018, 224, e13060.	3.8	32
24	Serum- and glucocorticoid-inducible kinase 1 in doxorubicin-induced nephrotic syndrome. American Journal of Physiology - Renal Physiology, 2008, 295, F1624-F1634.	2.7	31
25	Mineralocorticoid and SGK1-Sensitive Inflammation and Tissue Fibrosis. Nephron Physiology, 2014, 128, 35-39.	1.2	31
26	Lack of the serum and glucocorticoid-inducible kinase SGK1 attenuates the volume retention after treatment with the PPARÎ³ agonist pioglitazone. Pflugers Archiv European Journal of Physiology, 2008, 456, 425-436.	2.8	28
27	MRI to assess renal structure and function. Current Opinion in Nephrology and Hypertension, 2011, 20, 669-675.	2.0	23
28	Mortality Prediction Using Modern Peptide Biomarkers in Hemodialysis Patients - A Comparative Analysis. Kidney and Blood Pressure Research, 2014, 39, 563-572.	2.0	23
29	Urinary Neutrophil Gelatinase-Associated Lipocalin (NGAL) and proteinuria predict severity of acute kidney injury in Puumala virus infection. BMC Infectious Diseases, 2015, 15, 464.	2.9	22
30	Proteasuria in nephrotic syndromeâ€“quantification and proteomic profiling. Journal of Proteomics, 2021, 230, 103981.	2.4	22
31	Impact of Phosphorus Restriction and Vitamin D-Substitution on Secondary Hyperparathyroidism in a Proteinuric Mouse Model. Kidney and Blood Pressure Research, 2015, 40, 153-165.	2.0	21
32	Simultaneous evaluation of renal morphology and function in live kidney donors using dynamic magnetic resonance imaging. Nephrology Dialysis Transplantation, 2010, 25, 1986-1991.	0.7	19
33	Sclerostin Quo Vadis? - Is This a Useful Long-Term Mortality Parameter in Prevalent Hemodialysis Patients?. Kidney and Blood Pressure Research, 2015, 40, 266-276.	2.0	19
34	Severe thrombocytopenia in hantavirus-induced nephropathia epidemica. Infection, 2015, 43, 83-87.	4.7	19
35	Plasminogen deficiency does not prevent sodium retention in a genetic mouse model of experimental nephrotic syndrome. Acta Physiologica, 2021, 231, e13512.	3.8	19
36	Zymogenâ€locked mutant prostasin (Prss8) leads to incomplete proteolytic activation of the epithelial sodium channel (ENaC) and severely compromises triamterene tolerance in mice. Acta Physiologica, 2021, 232, e13640.	3.8	18

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37	Comprehensive Assessment of Renal Function and Vessel Morphology in Potential Living Kidney Donors. Investigative Radiology, 2009, 44, 705-711.	6.2	17
38	Plasma Concentrations of the Vasoactive Peptide Fragments Mid-Regional Pro-Adrenomedullin, C-Terminal Pro-Endothelin 1 and Copeptin in Hemodialysis Patients: Associated Factors and Prediction of Mortality. PLoS ONE, 2014, 9, e86148.	2.5	17
39	Proteolytic activation of the epithelial sodium channel (ENaC) by factor VII activating protease (FSAP) and its relevance for sodium retention in nephrotic mice. Pflugers Archiv European Journal of Physiology, 2022, 474, 217-229.	2.8	17
40	Responses to Diuretic Treatment in Gene-Targeted Mice Lacking Serum- and Glucocorticoid-Inducible Kinase 1. Kidney and Blood Pressure Research, 2009, 32, 119-127.	2.0	16
41	Comparison of the Diagnostic Performance of Three Natriuretic Peptides in Hemodialysis Patients: Which is the Appropriate Biomarker?. Kidney and Blood Pressure Research, 2012, 36, 172-181.	2.0	14
42	Thrombospondin-1/CD47 signaling modulates transmembrane cation conductance, survival, and deformability of human red blood cells. Cell Communication and Signaling, 2020, 18, 155.	6.5	14
43	Differential cystine and dibasic amino acid handling after loss of function of the amino acid transporter b^{0,+}AT (Slc7a9) in mice. American Journal of Physiology - Renal Physiology, 2013, 305, F1645-F1655.	2.7	13
44	Kidney-derived PCSK9â€”a new driver of hyperlipidemia in nephrotic syndrome?. Kidney International, 2020, 98, 1393-1395.	5.2	13
45	Experimental nephrotic syndrome leads to proteolytic activation of the epithelial Na⁺ channel in the mouse kidney. American Journal of Physiology - Renal Physiology, 2021, 321, F480-F493.	2.7	13
46	Impaired intestinal and renal glucose transport in PDK-1 hypomorphic mice. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2006, 291, R1533-R1538.	1.8	12
47	Dynamic Magnetic Resonance Nephrography. Investigative Radiology, 2007, 42, 256-262.	6.2	12
48	Routine Monitoring of Sodium and Phosphorus Removal in Peritoneal Dialysis (PD) Patients Treated with Continuous Ambulatory PD (CAPD), Automated PD (APD) or Combined CAPD+APD. Kidney and Blood Pressure Research, 2017, 42, 257-266.	2.0	11
49	Systemic haemodynamics in haemodialysis: intradialytic changes and prognostic significance. Nephrology Dialysis Transplantation, 2018, 33, 1419-1427.	0.7	11
50	Determination of Procalcitonin Levels in Patients with Nephropathia Epidemica - A Useful Tool or an Unnecessary Diagnostic Procedure?. Kidney and Blood Pressure Research, 2015, 40, 22-30.	2.0	9
51	Implementation of Urgent Start Peritoneal Dialysis Reduces Hemodialysis Catheter Use and Hospital Stay in Patients with Unplanned Dialysis Start. Kidney and Blood Pressure Research, 2019, 44, 1383-1391.	2.0	9
52	Beta-Glycerophosphate-Induced ORAI1 Expression and Store Operated Ca2+ Entry in Megakaryocytes. Scientific Reports, 2020, 10, 1728.	3.3	9
53	Retrobulbar Sinus Injection of Doxorubicin is More Efficient Than Lateral Tail Vein Injection at Inducing Experimental Nephrotic Syndrome in Mice: A Pilot Study. Laboratory Animals, 2019, 53, 564-576.	1.0	8
54	Measurement of glomerular filtration rate using dynamic magnetic resonance imaging in patients with chronic kidney disease. Journal of Nephrology, 2011, 24, 482-489.	2.0	8

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55	Sodium retention in nephrotic syndrome is independent of the activation of the membrane-anchored serine protease prostasin (CAP1/PRSS8) and its enzymatic activity. Pflugers Archiv European Journal of Physiology, 2022, , 1.	2.8	8
56	Evaluation of lipase levels in patients with nephropathia epidemica - no evidence for acute pancreatitis. BMC Infectious Diseases, 2015, 15, 286.	2.9	7
57	Removal of Dabigatran Is Superior by Sustained Low Efficient Dialysis (SLED) Compared to Intermittent Hemodialysis. Blood Purification, 2015, 39, 331-332.	1.8	7
58	Effects of tetrahydrobiopterin on nitric oxide bioavailability and renal hemodynamics in healthy volunteers. Journal of Nephrology, 2008, 21, 850-60.	2.0	7
59	Rodent models to study sodium retention in experimental nephrotic syndrome. Acta Physiologica, 2022, 235, e13844.	3.8	7
60	Induction of Nephrotic Syndrome in Mice by Retrobulbar Injection of Doxorubicin and Prevention of Volume Retention by Sustained Release Aprotinin. Journal of Visualized Experiments, 2018, , .	0.3	6
61	Performance of a novel high sensitivity cardiac troponin I assay in asymptomatic hemodialysis patients â€“ evidence for sex-specific differences. Clinical Chemistry and Laboratory Medicine, 2019, 57, 1261-1270.	2.3	6
62	Renal effects of the serine protease inhibitor aprotinin in healthy conscious mice. Acta Pharmacologica Sinica, 2021, , .	6.1	6
63	Population data provide evidence against the presence of a set point for hemoglobin levels or tissue oxygen delivery. Physiological Reports, 2019, 7, e14153.	1.7	5
64	Overhydration Measured by Bioimpedance Spectroscopy and Urinary Serine Protease Activity Are Risk Factors for Progression of Chronic Kidney Disease. Kidney and Blood Pressure Research, 2020, 45, 955-968.	2.0	5
65	Proteolytic Activation of the Epithelial Sodium Channel in Nephrotic Syndrome by Proteasuria: Concept and Therapeutic Potential. Turkish Journal of Nephrology, 2020, 29, 59-65.	0.1	5
66	Polyuria in Hantavirus Infection Reflects Disease Severity and Is Associated with Prolonged Hospital Stay: A Systematic Analysis of 335 Patients from Southern Germany. Nephron Experimental Nephrology, 2015, 128, 111-115.	2.2	4
67	Osteomalacia by a mesenchymal-FGF23-producing tumour: Successful treatment with radiofrequency ablation. A case report. Joint Bone Spine, 2016, 83, 603-604.	1.6	4
68	Role of mTOR Signaling for Tubular Function and Disease. Physiology, 2021, 36, 350-358.	3.1	4
69	Essential role of DNA-PKcs and plasminogen for the development of doxorubicin-induced glomerular injury in mice. DMM Disease Models and Mechanisms, 2021, 14, .	2.4	4
70	EPCAM and TROP2 share a role in claudin stabilization and development of intestinal and extraintestinal epithelia in mice. Biology Open, 2022, 11, .	1.2	4
71	Proteolytic Activity against the Distal Polybasic Tract of the Gamma Subunit of the Epithelial Sodium Channel ENaC in Nephrotic Urine. Current Medicinal Chemistry, 2022, 29, 6433-6445.	2.4	4
72	Rebuttal to editorial: Sodium retention by uPA in nephrotic syndrome?. Acta Physiologica, 2020, 228, e13427.	3.8	3

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73	Gastrointestinal: Hepatic portal venous gas after cardiogenic shock and intraaortic ballon pulsation therapy. Journal of Gastroenterology and Hepatology (Australia), 2010, 25, 644-644.	2.8	2
74	Apparent Treatment-Resistant Hypertension and Chronic Kidney Disease: Another Cardiovascularâ€“Renal Syndrome?. , 2017, , 25-38.		1
75	FP278CHARACTERIZATION AND QUANTIFICATION OF PROTEASURIA IN NEPHROTIC SYNDROME. Nephrology Dialysis Transplantation, 2018, 33, i125-i125.	0.7	1
76	Elimination of Contrast Agent Gadobutrol with Sustained Low Efficiency Daily Dialysis Compared to Intermittent Hemodialysis. Kidney and Blood Pressure Research, 2019, 44, 1363-1371.	2.0	1
77	Intraperitoneal extension of the peritoneal dialysis catheterâ€”a new technique for catheter implantation in patients with obesity. Journal of Nephrology, 2021, , 1.	2.0	1
78	Phosphate-induced ORAI1 Expression and Store Operated Ca2+ Entry in Megakaryocytes. , 2019, 39, .		1
79	The authors reply. Kidney International, 2022, 101, 649-650.	5.2	1
80	The Case | Unusual cause of chronic renal failure with elevated liver enzymes. Kidney International, 2012, 82, 1239-1240.	5.2	0
81	Novel epithelial cell models. Nephrology Dialysis Transplantation, 2013, 28, i61-i61.	0.7	0
82	SP514HEMODYNAMIC MONITORING OF HEMODIALYSIS PATIENTS AND PREDICTORS OF DROP IN CARDIAC INDEX DURING HEMODIALYSIS. Nephrology Dialysis Transplantation, 2016, 31, i264-i265.	0.7	0
83	OstÃ©omalacie provoquÃ©e par une tumeur mÃ©senchymateuse productrice deÂFGF23Â: ablation par radiofrÃ©quence suivie de guÃ©rison. Revue Du Rhumatisme (Edition Francaise), 2017, 84, 361-362.	0.0	0
84	MO061PLASMINOGEN DEFIENCY DOES NOT PROTECT MICE FROM SODIUM RETENTION IN EXPERIMENTAL NEPHROTIC SYNDROME. Nephrology Dialysis Transplantation, 2020, 35, .	0.7	0
85	The Case | A 74-year-old liver transplant recipient with nephrotic-range proteinuria. Kidney International, 2021, 99, 1031-1032.	5.2	0
86	FC 015LACK OF PLASMINOGEN RELATES TO A HYPERCOAGULABLE STATE IN MICE WITH EXPERIMENTAL NEPHROTIC SYNDROME. Nephrology Dialysis Transplantation, 2021, 36, .	0.7	0
87	Proteasurie als Mechanismus der Ã–dementstehung beim nephrotischen Syndrom. Nieren- Und Hochdruckkrankheiten, 2021, 50, 187-193.	0.0	0
88	Detection of Fully Cleaved Gamma Subunit of the Epithelial Sodium Channel (Î³â€ENaC) in Kidney Cortex of Healthy and Nephrotic Wild Type Mice. FASEB Journal, 2021, 35, .	0.5	0
89	Uncovering the Mechanisms Behind Nephrotic Syndrome to Develop Novel Therapeutics. , 2021, , .		0
90	Wie viel Kochsalz in der Nahrung ist zu viel?. Nieren- Und Hochdruckkrankheiten, 2016, 45, 455-460.	0.0	0