Roman-Ulrich MÃ¼ller

List of Publications by Year
in descending order

88 papers	6,792 citations	201674 27 h-index	62596 80 g-index
120 all docs	120 docs citations	120 times ranked	12031 citing authors

#	Article	IF	Citations
1	A Mammalian microRNA Expression Atlas Based on Small RNA Library Sequencing. Cell, 2007, 129, 1401-1414.	28.9	3,390
2	A SNP in a let-7 microRNA Complementary Site in the KRAS 3â€² Untranslated Region Increases Nonâ€“Small Cell Lung Cancer Risk. Cancer Research, 2008, 68, 8535-8540.	0.9	609
3	Podocin and MEC-2 bind cholesterol to regulate the activity of associated ion channels. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 17079-17086.	7.1	262
4	Small nucleoli are a cellular hallmark of longevity. Nature Communications, 2017, 8, 16083.	12.8	190
5	Repression of the genome organizer SATB1 in regulatory T cells is required for suppressive function and inhibition of effector differentiation. Nature Immunology, 2011, 12, 898-907.	14.5	179
6	The von Hippel-Lindau tumor suppressor protein controls ciliogenesis by orienting microtubule growth. Journal of Cell Biology, 2006, 175, 547-554.	5.2	165
7	NPHP4, a cilia-associated protein, negatively regulates the Hippo pathway. Journal of Cell Biology, 2011, 193, 633-642.	5.2	142
8	A Single-Cell Transcriptome Atlas of the Mouse Glomerulus. Journal of the American Society of Nephrology: JASN, 2018, 29, 2060-2068.	6.1	137
9	Dysregulated Autophagy Contributes to Podocyte Damage in Fabryâ€™s Disease. PLoS ONE, 2013, 8, e63506.	2.5	97
10	DAF-16/FOXO and EGL-27/GATA promote developmental growth in response to persistent somatic DNA damage. Nature Cell Biology, 2014, 16, 1168-1179.	10.3	97
11	Listeria monocytogenes Infection in Macrophages Induces Vacuolar-Dependent Host miRNA Response. PLoS ONE, 2011, 6, e27435.	2.5	90
12	A KRAS variant is a biomarker of poor outcome, platinum chemotherapy resistance and a potential target for therapy in ovarian cancer. Oncogene, 2012, 31, 4559-4566.	5.9	71
13	Long Non-Coding RNAs in Kidney Disease. International Journal of Molecular Sciences, 2019, 20, 3276.	4.1	71
14	The ciliopathy disease protein NPHP9 promotes nuclear delivery and activation of the oncogenic transcriptional regulator TAZ. Human Molecular Genetics, 2012, 21, 5528-5538.	2.9	69
15	Inhibition of insulin/<scp>IGF</scp>â€1 receptor signaling protects from mitochondriaâ€mediated kidneyÂfailure. EMBO Molecular Medicine, 2015, 7, 275-287.	6.9	61
16	Rapid SARS-CoV-2 testing in primary material based on a novel multiplex RT-LAMP assay. PLoS ONE, 2020, 15, e0238612.	2.5	58
17	The proteome microenvironment determines the protective effect of preconditioning in cisplatin-induced acute kidney injury. Kidney International, 2019, 95, 333-349.	5.2	55
18	AATF/Che-1 acts as a phosphorylation-dependent molecular modulator to repress p53-driven apoptosis. EMBO Journal, 2012, 31, 3961-3975.	7.8	53

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19	Altered lipid metabolism in the aging kidney identified by three layered omic analysis. Aging, 2016, 8, 441-454.	3.1	46
20	The von Hippel Lindau Tumor Suppressor Limits Longevity. Journal of the American Society of Nephrology: JASN, 2009, 20, 2513-2517.	6.1	45
21	The ubiquitin ligase Ubr4 controls stability of podocin/MEC-2 supercomplexes. Human Molecular Genetics, 2016, 25, 1328-1344.	2.9	45
22	A Vastly Increased Chemical Variety of RNA Modifications Containing a Thioacetal Structure. Angewandte Chemie - International Edition, 2018, 57, 7893-7897.	13.8	44
23	An update on the use of tolvaptan for autosomal dominant polycystic kidney disease: consensus statement on behalf of the ERA Working Group on Inherited Kidney Disorders, the European Rare Kidney Disease Reference Network and Polycystic Kidney Disease International. Nephrology Dialysis Transplantation, 2022, 37, 825-839.	0.7	44
24	MicroRNA-155 Drives TH17 Immune Response and Tissue Injury in Experimental Crescentic GN. Journal of the American Society of Nephrology: JASN, 2013, 24, 1955-1965.	6.1	41
25	Bortezomib resistance mutations in PSMB5 determine response to second-generation proteasome inhibitors in multiple myeloma. Leukemia, 2021, 35, 887-892.	7.2	38
26	Conditional loss of kidney microRNAs results in congenital anomalies of the kidney and urinary tract (CAKUT). Journal of Molecular Medicine, 2013, 91, 739-748.	3.9	37
27	Management of autosomal-dominant polycystic kidney diseaseâ€"state-of-the-art. CKJ: Clinical Kidney Journal, 2018, 11, i2-i13.	2.9	32
28	The proteomic landscape of small urinary extracellular vesicles during kidney transplantation. Journal of Extracellular Vesicles, 2020, 10, e12026.	12.2	30
29	RNA-binding proteins and their role in kidney disease. Nature Reviews Nephrology, 2022, 18, 153-170.	9.6	27
30	Preoperative Shortâ€Term Calorie Restriction for Prevention of Acute Kidney Injury After Cardiac Surgery: A Randomized, Controlled, Openâ€Label, Pilot Trial. Journal of the American Heart Association, 2018, 7, .	3.7	26
31	The Integrated RNA Landscape of Renal Preconditioning against Ischemia-Reperfusion Injury. Journal of the American Society of Nephrology: JASN, 2020, 31, 716-730.	6.1	26
32	Practical approaches to the management of autosomal dominant polycystic kidney disease patients in the era of tolvaptan. CKJ: Clinical Kidney Journal, 2018, 11, 62-69.	2.9	25
33	Ketogenic dietary interventions in autosomal dominant polycystic kidney diseaseâ€"a retrospective case series study: first insights into feasibility, safety and effects. CKJ: Clinical Kidney Journal, 2022, 15, 1079-1092.	2.9	23
34	Nephrocystin-4 Regulates Pyk2-induced Tyrosine Phosphorylation of Nephrocystin-1 to Control Targeting to Monocilia. Journal of Biological Chemistry, 2011, 286, 14237-14245.	3.4	22
35	Survival and distribution of injected haematopoietic stem cells in acute kidney injury. Nephrology Dialysis Transplantation, 2013, 28, 1131-1139.	0.7	22
36	Targeted deletion of the AAA-ATPase Ruvbl1 in mice disrupts ciliary integrity and causes renal disease and hydrocephalus. Experimental and Molecular Medicine, 2018, 50, 1-17.	7.7	22

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37	Evaluation of a New Spike (S)-Protein-Based Commercial Immunoassay for the Detection of Anti-SARS-CoV-2 IgG. Microorganisms, 2021, 9, 733.	3.6	22
38	Loss of Dgcr8-mediated microRNA expression in the kidney results in hydronephrosis and renal malformation. BMC Nephrology, 2015, 16, 55.	1.8	21
39	A protein-RNA interaction atlas of the ribosome biogenesis factor AATF. Scientific Reports, 2019, 9, 11071.	3.3	19
40	An approach to cystic kidney diseases: the clinician's view. Nature Reviews Nephrology, 2014, 10, 687-699.	9.6	17
41	The RNA-Protein Interactome of Differentiated Kidney Tubular Epithelial Cells. Journal of the American Society of Nephrology: JASN, 2019, 30, 564-576.	6.1	16
42	Transcriptional profiling reveals progeroid Ercc1 -/Î” mice as a model system for glomerular aging. BMC Genomics, 2013, 14, 559.	2.8	15
43	Hippo signalingâ€”a central player in cystic kidney disease?. Pediatric Nephrology, 2020, 35, 1143-1152.	1.7	15
44	Immune Responses to SARS-CoV-2 Infection and Vaccination in Dialysis Patients and Kidney Transplant Recipients. Microorganisms, 2022, 10, 4.	3.6	15
45	Mice lacking microRNAs in Pax8-expressing cells develop hypothyroidism and end-stage renal failure. BMC Molecular Biology, 2016, 17, 11.	3.0	14
46	Clinical course and predictive risk factors for fatal outcome of SARS-CoV-2 infection in patients with chronic kidney disease. Infection, 2021, 49, 725-737.	4.7	14
47	Characterization of a splice-site mutation in the tumor suppressor gene FLCN associated with renal cancer. BMC Medical Genetics, 2017, 18, 53.	2.1	13
48	Inactivation of Apoptosis Antagonizing Transcription Factor in tubular epithelial cells induces accumulation of DNA damage and nephronophthisis. Kidney International, 2019, 95, 846-858.	5.2	13
49	Dietary restriction for prevention of contrast-induced acute kidney injury in patients undergoing percutaneous coronary angiography: a randomized controlled trial. Scientific Reports, 2020, 10, 5202.	3.3	13
50	Preconditioning strategies to prevent acute kidney injury. F1000Research, 2020, 9, 237.	1.6	13
51	The kidney in hantavirus infectionâ€”epidemiology, virology, pathophysiology, clinical presentation, diagnosis and management. CKJ: Clinical Kidney Journal, 2022, 15, 1231-1252.	2.9	13
52	Loss of the <scp>B</scp>irtâ€“<scp>H</scp>oggâ€“<scp>D</scp>ubÃ© gene product folliculin induces longevity in a hypoxiaâ€inducible factorâ€“dependent manner. Aging Cell, 2013, 12, 593-603.	6.7	12
53	Prohibitin-2 Depletion Unravels Extra-Mitochondrial Functions at the Kidney Filtration Barrier. American Journal of Pathology, 2016, 186, 1128-1139.	3.8	12
54	Magnetic Resonance Kidney Parenchyma-T2 as a Novel Imaging Biomarker for Autosomal Dominant Polycystic Kidney Disease. Investigative Radiology, 2020, 55, 217-225.	6.2	12

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55	Metabolic Changes in Polycystic Kidney Disease as a Potential Target for Systemic Treatment. International Journal of Molecular Sciences, 2020, 21, 6093.	4.1	12
56	Can computed tomography volumetry of the renal cortex replace MAG3-scintigraphy in all patients for determining split renal function?. European Journal of Radiology, 2018, 103, 105-111.	2.6	11
57	Cystic Kidney Diseases From the Adult Nephrologistâ€™s Point of View. Frontiers in Pediatrics, 2018, 6, 65.	1.9	10
58	Caenorhabditis elegans, a model organism for kidney research: from cilia to mechanosensation and longevity. Current Opinion in Nephrology and Hypertension, 2011, 20, 400-408.	2.0	9
59	Case report: a peculiar glomerulopathy in a patient suffering from nephrotic syndrome. BMC Nephrology, 2019, 20, 326.	1.8	9
60	AATF/Che-1â€”An RNA Binding Protein at the Nexus of DNA Damage Response and Ribosome Biogenesis. Frontiers in Oncology, 2020, 10, 919.	2.8	9
61	Oral Supplementation of Glucosamine Fails to Alleviate Acute Kidney Injury in Renal Ischemia-Reperfusion Damage. PLoS ONE, 2016, 11, e0161315.	2.5	9
62	Urinary extracellular vesicles as a source of biomarkers reflecting renal cellular biology in human disease. Methods in Cell Biology, 2019, 154, 43-65.	1.1	7
63	Three-Dimensional Super-Resolved Imaging of Paraffin-Embedded Kidney Samples. Kidney360, 2022, 3, 446-454.	2.1	7
64	Die stark wachsende chemische Vielfalt der RNAâ€Modifikationen enthÃlt eine Thioacetalstruktur. Angewandte Chemie, 2018, 130, 8019-8024.	2.0	5
65	A case report of recurrent membranoproliferative glomerulonephritis after kidney transplantation due to ventriculoatrial shunt infection. BMC Nephrology, 2019, 20, 296.	1.8	5
66	Activation of Hypoxia-Inducible Factor Signaling Modulates the RNA Protein Interactome in Caenorhabditis elegans. IScience, 2019, 22, 466-476.	4.1	5
67	Assessing renal changes after remote ischemic preconditioning (RIPC) of the upper extremity using BOLD imaging at 3T. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2018, 31, 367-374.	2.0	4
68	A systematic analysis of diet-induced nephroprotection reveals overlapping changes in cysteine catabolism. Translational Research, 2022, 244, 32-46.	5.0	4
69	Caloric restriction reduces the pro-inflammatory eicosanoid 20-hydroxyeicosatetraenoic acid to protect from acute kidney injury. Kidney International, 2022, 102, 560-576.	5.2	4
70	Development and design of the Hantavirus registry - HantaReg - for epidemiological studies, outbreaks and clinical studies on hantavirus disease. CKJ: Clinical Kidney Journal, 2021, 14, 2365-2370.	2.9	3
71	Implications of early diagnosis of autosomal dominant polycystic kidney disease: A post hoc analysis of the TEMPO 3:4 trial. Scientific Reports, 2020, 10, 4294.	3.3	2
72	CALINCAâ€”A Novel Pipeline for the Identification of lncRNAs in Podocyte Disease. Cells, 2021, 10, 692.	4.1	2

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73	Modulation of Endocannabinoids by Caloric Restriction Is Conserved in Mice but Is Not Required for Protection from Acute Kidney Injury. International Journal of Molecular Sciences, 2021, 22, 5485.	4.1	2
74	Mechanisms of Caloric Restriction-Mediated Stress-Resistance in Acute Kidney Injury. Nephron, 2022, 146, 234-238.	1.8	2
75	A Photo Shoot of Proteinuria: Zebrafish Models of Inducible Podocyte Damage. Journal of the American Society of Nephrology: JASN, 2012, 23, 969-971.	6.1	1
76	Optimal treatment of hyponatremia in clinical practice. Clinical Practice (London, England), 2013, 10, 737-749.	0.1	1
77	A knowledge-guided kidney cell censusâ€"reconciling bulk omics with cellular heterogeneity?. Kidney International, 2019, 95, 733-735.	5.2	1
78	Successful use of TNFÎ± blockade in a severe case of idiopathic non-granulomatous ulcerative jejunoileitis associated with thrombotic thrombocytopenic purpura. BMJ Open Gastroenterology, 2019, 6, e000252.	2.7	1
79	Hand-Assisted Retroperitoneoscopic Donor Nephrectomy Compared to Anterior Approach Open Donor Nephrectomy: Improved Long-Term Physical Component Score in Health-Related Quality of Life in Living Kidney Donors. Transplantation Proceedings, 2021, 53, 786-792.	0.6	1
80	Combined Therapy with Intravenous Immunoglobulins, Letermovir and (Val-)Ganciclovir in Complicated Courses of CMV-Infection in Transplant Recipients. Microorganisms, 2021, 9, 1666.	3.6	1
81	25 Years of Kidney Transplantation--A Period of Change. Clinical Transplants, 2014, , 69-76.	0.2	1
82	Erbliche Zystennierenerkrankungen: Autosomal-dominante und autosomal-rezessive polyzystische Nierenerkrankung (ADPKD und ARPKD). Medizinische Genetik, 2018, 30, 422-428.	0.2	0
83	Foreword. CKJ: Clinical Kidney Journal, 2018, 11, i1-i1.	2.9	0
84	Innentitelbild: Die stark wachsende chemische Vielfalt der RNAâ€Modifikationen enthÃlt eine Thioacetalstruktur (Angew. Chem. 26/2018). Angewandte Chemie, 2018, 130, 7658-7658.	2.0	0
85	Symptomatische Therapie beim nephrotischen Syndrom: Was ist gesichert?. Nieren- Und Hochdruckkrankheiten, 2011, 40, 201-208.	0.0	0
86	Hypoxie-Signaling und Nierenversagen â€" ein zweischneidiges Schwert. Nieren- Und Hochdruckkrankheiten, 2016, 45, 122-130.	0.0	0
87	PrÃkonditionierung als Weg zur Nephroprotektion?. Nieren- Und Hochdruckkrankheiten, 2020, 49, 325-330.	0.0	0
88	Genetische Nierenerkrankungen. , 2022, , 54-62.		0