Hillebrands, Jl

List of Publications by Year
in descending order

74	3,228	201385	161609
papers	citations	27 h-index	54 g-index

74	74	74	5464
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Angiotensinâ€converting enzyme 2 (<scp>ACE2</scp>), <scp>SARSâ€CoV</scp>â€2 and the pathophysiology of coronavirus disease 2019 (<scp>COVID</scp>â€19). Journal of Pathology, 2020, 251, 228-248.	2.1	791
2	Oxidative stress in placental pathology. Placenta, 2018, 69, 153-161.	0.7	246
3	Sodiumâ€“glucose coâ€transporter 2 inhibition with empagliflozin improves cardiac function in nonâ€diabetic rats with left ventricular dysfunction after myocardial infarction. European Journal of Heart Failure, 2019, 21, 862-873.	2.9	236
4	SARS-CoV-2 infects the human kidney and drives fibrosis in kidney organoids. Cell Stem Cell, 2022, 29, 217-231.e8.	5.2	146
5	Origin of Vascular Smooth Muscle Cells and the Role of Circulating Stem Cells in Transplant Arteriosclerosis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2003, 23, 380-387.	1.1	109
6	Effects of Klotho on fibrosis and cancer: A renal focus on mechanisms and therapeutic strategies. Advanced Drug Delivery Reviews, 2017, 121, 85-100.	6.6	88
7	The role of the anti-ageing protein Klotho in vascular physiology and pathophysiology. Ageing Research Reviews, 2017, 35, 124-146.	5.0	87
8	<scp>COVID</scp>â€19: immunopathology, pathophysiological mechanisms, and treatment options. Journal of Pathology, 2021, 254, 307-331.	2.1	86
9	Tissue expression and source of circulating Î±Klotho. Bone, 2017, 100, 19-35.	1.4	81
10	Sodium thiosulfate attenuates angiotensin II-induced hypertension, proteinuria and renal damage11These authors contributed equally to this manuscript.. Nitric Oxide - Biology and Chemistry, 2014, 42, 87-98.	1.2	73
11	Selective delivery of IFNâ€Î³ to renal interstitial myofibroblasts: a novel strategy for the treatment of renal fibrosis. FASEB Journal, 2015, 29, 1029-1042.	0.2	70
12	The role of hydrogen sulfide in aging and age-related pathologies. Aging, 2016, 8, 2264-2289.	1.4	65
13	Dapagliflozin Attenuates Renal Tubulointerstitial Fibrosis Associated With Type 1 Diabetes by Regulating STAT1/TGFÎ²1 Signaling. Frontiers in Endocrinology, 2019, 10, 441.	1.5	57
14	Human alternative Klotho mRNA is a nonsense-mediated mRNA decay target inefficiently spliced in renal disease. JCI Insight, 2017, 2, .	2.3	51
15	Glomerular Endothelial Cells as Instigators of Glomerular Sclerotic Diseases. Frontiers in Pharmacology, 2020, 11, 573557.	1.6	50
16	Membrane-bound Klotho is not expressed endogenously in healthy or uraemic human vascular tissue. Cardiovascular Research, 2015, 108, 220-231.	1.8	42
17	Gasotransmitters in Vascular Complications of Diabetes. Diabetes, 2016, 65, 331-345.	0.3	40
18	Calciprotein Particles. Arteriosclerosis, Thrombosis, and Vascular Biology, 2021, 41, 1607-1624.	1.1	40

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19	Role of Progenitor Cells in Transplant Arteriosclerosis. Trends in Cardiovascular Medicine, 2005, 15, 1-8.	2.3	39
20	Distribution of Matrix Metalloproteinases in Human Atherosclerotic Carotid Plaques and Their Production by Smooth Muscle Cells and Macrophage Subsets. Molecular Imaging and Biology, 2016, 18, 283-291.	1.3	39
21	Critical role for complement receptor C5aR2 in the pathogenesis of renal ischemiaâ€reperfusion injury. FASEB Journal, 2017, 31, 3193-3204.	0.2	39
22	N-Acetylcysteine and Hydrogen Sulfide in Coronavirus Disease 2019. Antioxidants and Redox Signaling, 2021, 35, 1207-1225.	2.5	39
23	Precision-cut human kidney slices as a model to elucidate the process of renal fibrosis. Translational Research, 2016, 170, 8-16.e1.	2.2	37
24	Precision-cut kidney slices (PCKS) to study development of renal fibrosis and efficacy of drug targeting ex vivo. DMM Disease Models and Mechanisms, 2015, 8, 1227-36.	1.2	34
25	ELMO1 protects renal structure and ultrafiltration in kidney development and under diabetic conditions. Scientific Reports, 2016, 6, 37172.	1.6	34
26	Fibroblast growth factor 23 modifies the pharmacological effects of angiotensin receptor blockade in experimental renal fibrosis. Nephrology Dialysis Transplantation, 2017, 32, gfw105.	0.4	33
27	Serum Calcification Propensity and the Risk of Cardiovascular and All-Cause Mortality in the General Population. Arteriosclerosis, Thrombosis, and Vascular Biology, 2020, 40, 1942-1951.	1.1	32
28	The Bipartite Rac1 Guanine Nucleotide Exchange Factor Engulfment and Cell Motility 1/Dedicator of Cytokinesis 180 (Elmo1/Dock180) Protects Endothelial Cells from Apoptosis in Blood Vessel Development. Journal of Biological Chemistry, 2015, 290, 6408-6418.	1.6	30
29	Activation of Retinal Angiogenesis in Hyperglycemic pdx1 â^'/â^' Zebrafish Mutants. Diabetes, 2020, 69, 1020-1031.	0.3	30
30	High urinary sulfate concentration is associated with reduced risk of renal disease progression in type 2 diabetes. Nitric Oxide - Biology and Chemistry, 2016, 55-56, 18-24.	1.2	28
31	Chronic transplant dysfunction and transplant arteriosclerosis: new insights into underlying mechanisms. Expert Reviews in Molecular Medicine, 2003, 5, 1-23.	1.6	27
32	Renal fibrosis in precision-cut kidney slices. European Journal of Pharmacology, 2016, 790, 57-61.	1.7	22
33	Identification of Novel Genes Associated with Renal Tertiary Lymphoid Organ Formation in Aging Mice. PLoS ONE, 2014, 9, e91850.	1.1	22
34	Renal Klotho is Reduced in Septic Patients and Pretreatment With Recombinant Klotho Attenuates Organ Injury in Lipopolysaccharide-Challenged Mice. Critical Care Medicine, 2018, 46, e1196-e1203.	0.4	21
35	Distinct Differences on Neointima Formation in Immunodeficient and Humanized Mice after Carotid or Femoral Arterial Injury. Scientific Reports, 2016, 6, 35387.	1.6	20
36	Angiotensin II induces reorganization of the actin cytoskeleton and myosin light-chain phosphorylation in podocytes through rho/ROCK-signaling pathway*. Renal Failure, 2016, 38, 268-275.	0.8	20

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37	Gasotransmitters in health and disease: a mitochondria-centered view. Current Opinion in Pharmacology, 2019, 45, 87-93.	1.7	20
38	Visceral adipose tissue volume is associated with premature atherosclerosis in early type 2 diabetes mellitus independent of traditional risk factors. Atherosclerosis, 2019, 290, 87-93.	0.4	20
39	Magnetic resonance imaging assessment of renal flow distribution patterns during exÂvivo normothermic machine perfusion in porcine and human kidneys. Transplant International, 2021, 34, 1643-1655.	0.8	19
40	Interferon gamma peptidomimetic targeted to interstitial myofibroblasts attenuates renal fibrosis after unilateral ureteral obstruction in mice. Oncotarget, 2016, 7, 54240-54252.	0.8	19
41	Donor and Recipient Contribution to Transplant Vasculopathy in Chronic Renal Transplant Dysfunction. Transplantation, 2009, 88, 1386-1392.	0.5	18
42	Predictive Value of Precision-Cut Kidney Slices as an Ex Vivo Screening Platform for Therapeutics in Human Renal Fibrosis. Pharmaceutics, 2020, 12, 459.	2.0	16
43	Oxidative stress biomarkers in fetal growth restriction with and without preeclampsia. Placenta, 2021, 115, 87-96.	0.7	14
44	Mild Coronavirus Disease 2019 (COVID-19) Is Marked by Systemic Oxidative Stress: A Pilot Study. Antioxidants, 2021, 10, 2022.	2.2	14
45	A roadmap for the genetic analysis of renal aging. Aging Cell, 2015, 14, 725-733.	3.0	13
46	Serum free thiols in type 2 diabetes mellitus: A prospective study. Journal of Clinical and Translational Endocrinology, 2019, 16, 100182.	1.0	13
47	Renal Heparan Sulfate Proteoglycans Modulate Fibroblast Growth Factor 2 Signaling in Experimental Chronic Transplant Dysfunction. American Journal of Pathology, 2013, 183, 1571-1584.	1.9	12
48	Role of Peritoneal Macrophages in Cytomegalovirus-induced Acceleration of Autoimmune Diabetes in BB-rats. Clinical and Developmental Immunology, 2003, 10, 133-139.	3.3	10
49	Toll-Like Receptor Family Polymorphisms Are Associated with Primary Renal Diseases but Not with Renal Outcomes Following Kidney Transplantation. PLoS ONE, 2015, 10, e0139769.	1.1	10
50	Vitamin D inhibits lymphangiogenesis through VDR-dependent mechanisms. Scientific Reports, 2017, 7, 44403.	1.6	10
51	Effects of Sodiumâ€“Glucose Co-transporter 2 Inhibition with Empaglifozin on Renal Structure and Function in Non-diabetic Rats with Left Ventricular Dysfunction After Myocardial Infarction. Cardiovascular Drugs and Therapy, 2020, 34, 311-321.	1.3	10
52	Exposome and foetoplacental vascular dysfunction in gestational diabetes mellitus. Molecular Aspects of Medicine, 2022, 87, 101019.	2.7	10
53	Serum calcification propensity is associated with HbA1c in type 2 diabetes mellitus. BMJ Open Diabetes Research and Care, 2021, 9, e002016.	1.2	9
54	Tubular maximum phosphate reabsorption capacity in living kidney donors is independently associated with one-year recipient GFR. American Journal of Physiology - Renal Physiology, 2018, 314, F196-F202.	1.3	9

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55	N-Octanoyl dopamine transiently inhibits T cell proliferation via G1 cell-cycle arrest and inhibition of redox-dependent transcription factors. Journal of Leukocyte Biology, 2014, 96, 453-462.	1.5	8
56	[18F]FDG Uptake in Adipose Tissue Is Not Related to Inflammation in Type 2 Diabetes Mellitus. Molecular Imaging and Biology, 2021, 23, 117-126.	1.3	8
57	Perivascular adipose tissue-derived nitric oxide compensates endothelial dysfunction in aged pre-atherosclerotic apolipoprotein E-deficient rats. Vascular Pharmacology, 2022, 142, 106945.	1.0	8
58	Urinary Excretion of Sulfur Metabolites and Risk of Cardiovascular Events and All-Cause Mortality in the General Population. Antioxidants and Redox Signaling, 2019, 30, 1999-2010.	2.5	6
59	Klotho Deficiency Induces Arteriolar Hyalinosis in a Trade-Off with Vascular Calcification. American Journal of Pathology, 2019, 189, 2503-2515.	1.9	6
60	Feasibility of ex vivo fluorescence imaging of angiogenesis in (non-) culprit human carotid atherosclerotic plaques using bevacizumab-800CW. Scientific Reports, 2021, 11, 2899.	1.6	6
61	Cytomegalovirus-enhanced development of transplant arteriosclerosis in the rat; effect of timing of infection and recipient responsiveness. Transplant International, 2005, 18, 735-742.	0.8	5
62	Serum calcification propensity in type 1 diabetes associates with mineral stress. Diabetes Research and Clinical Practice, 2019, 158, 107917.	1.1	5
63	VEGF-Targeted Multispectral Optoacoustic Tomography and Fluorescence Molecular Imaging in Human Carotid Atherosclerotic Plaques. Diagnostics, 2021, 11, 1227.	1.3	5
64	Simultaneous subcutaneous implantation of two osmotic minipumps connected to a jugular vein catheter in the rat. Laboratory Animals, 2014, 48, 338-341.	0.5	4
65	CD16+ monocytes with smooth muscle cell characteristics are reduced in human renal chronic transplant dysfunction. Immunobiology, 2015, 220, 673-683.	0.8	4
66	The Effect of a Fast-Releasing Hydrogen Sulfide Donor on Vascularization of Subcutaneous Scaffolds in Immunocompetent and Immunocompromised Mice. Biomolecules, 2020, 10, 722.	1.8	4
67	Genetic Analysis of Intracapillary Glomerular Lipoprotein Deposits in Aging Mice. PLoS ONE, 2014, 9, e111308.	1.1	3
68	Favourable serum calcification propensity with intraperitoneal as compared with subcutaneous insulin administration in type 1 diabetes. Therapeutic Advances in Endocrinology and Metabolism, 2020, 11, 204201882090845.	1.4	3
69	Plasma Nitrate Levels Are Related to Metabolic Syndrome and Are Not Altered by Treatment with DPP-4 Inhibitor Linagliptin: A Randomised, Placebo-Controlled Trial in Patients with Early Type 2 Diabetes Mellitus. Antioxidants, 2021, 10, 1548.	2.2	2
70	Klotho and aging phenotypes. , 2021, , 241-264.		1
71	FP089ARTERIOLAR HYALINOSIS IN KLOTHO DEFICIENCY. Nephrology Dialysis Transplantation, 2018, 33, i77-i77.	0.4	0
72	[18F]-sodium fluoride autoradiography imaging of nephrocalcinosis in donor kidneys and explanted kidney allografts. Scientific Reports, 2021, 11, 1841.	1.6	0

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73	Characterization of apolipoprotein E-deficient rats as novel model for atherosclerosis imaging. European Heart Journal Cardiovascular Imaging, 2021, 22, .	0.5	0
74	Prevention of Triglyceridemia by (Non-)Anticoagulant Heparin(oids) Does Not Preclude Transplant Vasculopathy and Glomerulosclerosis. Frontiers in Cell and Developmental Biology, 2022, 10, 798088.	1.8	0