

Hillebrands, JI

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72
papers

1,944
citations

23
h-index

43
g-index

74
ext. papers

2,635
ext. citations

5.6
avg. IF

5.2
L-index

#	Paper	IF	Citations
72	Angiotensin-converting enzyme 2 (ACE2), SARS-CoV-2 and the pathophysiology of coronavirus disease 2019 (COVID-19). <i>Journal of Pathology</i> , 2020 , 251, 228-248	9.4	473
71	Oxidative stress in placental pathology. <i>Placenta</i> , 2018 , 69, 153-161	3.4	142
70	Sodium-glucose co-transporter 2 inhibition with empagliflozin improves cardiac function in non-diabetic rats with left ventricular dysfunction after myocardial infarction. <i>European Journal of Heart Failure</i> , 2019 , 21, 862-873	12.3	127
69	The role of the anti-ageing protein Klotho in vascular physiology and pathophysiology. <i>Ageing Research Reviews</i> , 2017 , 35, 124-146	12	68
68	Tissue expression and source of circulating Klotho. <i>Bone</i> , 2017 , 100, 19-35	4.7	55
67	Effects of Klotho on fibrosis and cancer: A renal focus on mechanisms and therapeutic strategies. <i>Advanced Drug Delivery Reviews</i> , 2017 , 121, 85-100	18.5	55
66	Sodium thiosulfate attenuates angiotensin II-induced hypertension, proteinuria and renal damage. <i>Nitric Oxide - Biology and Chemistry</i> , 2014 , 42, 87-98	5	52
65	Selective delivery of IFN- β to renal interstitial myofibroblasts: a novel strategy for the treatment of renal fibrosis. <i>FASEB Journal</i> , 2015 , 29, 1029-42	0.9	50
64	The role of hydrogen sulfide in aging and age-related pathologies. <i>Aging</i> , 2016 , 8, 2264-2289	5.6	44
63	Human alternative Klotho mRNA is a nonsense-mediated mRNA decay target inefficiently spliced in renal disease. <i>JCI Insight</i> , 2017 , 2,	9.9	39
62	Membrane-bound Klotho is not expressed endogenously in healthy or uraemic human vascular tissue. <i>Cardiovascular Research</i> , 2015 , 108, 220-31	9.9	35
61	Gasotransmitters in Vascular Complications of Diabetes. <i>Diabetes</i> , 2016 , 65, 331-45	0.9	33
60	Role of progenitor cells in transplant arteriosclerosis. <i>Trends in Cardiovascular Medicine</i> , 2005 , 15, 1-8	6.9	33
59	Dapagliflozin Attenuates Renal Tubulointerstitial Fibrosis Associated With Type 1 Diabetes by Regulating STAT1/TGF β Signaling. <i>Frontiers in Endocrinology</i> , 2019 , 10, 441	5.7	31
58	Fibroblast growth factor 23 modifies the pharmacological effects of angiotensin receptor blockade in experimental renal fibrosis. <i>Nephrology Dialysis Transplantation</i> , 2017 , 32, 73-80	4.3	30
57	COVID-19: immunopathology, pathophysiological mechanisms, and treatment options. <i>Journal of Pathology</i> , 2021 , 254, 307-331	9.4	29
56	Precision-cut human kidney slices as a model to elucidate the process of renal fibrosis. <i>Translational Research</i> , 2016 , 170, 8-16.e1	11	26

55	Precision-cut kidney slices (PCKS) to study development of renal fibrosis and efficacy of drug targeting ex vivo. <i>DMM Disease Models and Mechanisms</i> , 2015 , 8, 1227-36	4.1	26
54	Critical role for complement receptor C5aR2 in the pathogenesis of renal ischemia-reperfusion injury. <i>FASEB Journal</i> , 2017 , 31, 3193-3204	0.9	25
53	ELMO1 protects renal structure and ultrafiltration in kidney development and under diabetic conditions. <i>Scientific Reports</i> , 2016 , 6, 37172	4.9	25
52	Distribution of Matrix Metalloproteinases in Human Atherosclerotic Carotid Plaques and Their Production by Smooth Muscle Cells and Macrophage Subsets. <i>Molecular Imaging and Biology</i> , 2016 , 18, 283-91	3.8	24
51	SARS-CoV-2 infects the human kidney and drives fibrosis in kidney organoids.. <i>Cell Stem Cell</i> , 2021 ,	18	24
50	Glomerular Endothelial Cells as Instigators of Glomerular Sclerotic Diseases. <i>Frontiers in Pharmacology</i> , 2020 , 11, 573557	5.6	23
49	High urinary sulfate concentration is associated with reduced risk of renal disease progression in type 2 diabetes. <i>Nitric Oxide - Biology and Chemistry</i> , 2016 , 55-56, 18-24	5	23
48	Chronic transplant dysfunction and transplant arteriosclerosis: new insights into underlying mechanisms. <i>Expert Reviews in Molecular Medicine</i> , 2003 , 5, 1-23	6.7	21
47	N-Acetylcysteine and Hydrogen Sulfide in Coronavirus Disease 2019. <i>Antioxidants and Redox Signaling</i> , 2021 , 35, 1207-1225	8.4	20
46	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. <i>Journal of Biological Chemistry</i> , 2015 , 290, 6408-18	5.4	19
45	Renal fibrosis in precision-cut kidney slices. <i>European Journal of Pharmacology</i> , 2016 , 790, 57-61	5.3	17
44	Serum Calcification Propensity and the Risk of Cardiovascular and All-Cause Mortality in the General Population: The PREVEND Study. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020 , 40, 1942-1951	9.4	15
43	Angiotensin II induces reorganization of the actin cytoskeleton and myosin light-chain phosphorylation in podocytes through rho/ROCK-signaling pathway. <i>Renal Failure</i> , 2016 , 38, 268-75	2.9	15
42	Identification of novel genes associated with renal tertiary lymphoid organ formation in aging mice. <i>PLoS ONE</i> , 2014 , 9, e91850	3.7	15
41	Renal Klotho is Reduced in Septic Patients and Pretreatment With Recombinant Klotho Attenuates Organ Injury in Lipopolysaccharide-Challenged Mice. <i>Critical Care Medicine</i> , 2018 , 46, e1196-e1203	1.4	15
40	Visceral adipose tissue volume is associated with premature atherosclerosis in early type 2 diabetes mellitus independent of traditional risk factors. <i>Atherosclerosis</i> , 2019 , 290, 87-93	3.1	14
39	Donor and recipient contribution to transplant vasculopathy in chronic renal transplant dysfunction. <i>Transplantation</i> , 2009 , 88, 1386-92	1.8	13
38	Interferon gamma peptidomimetic targeted to interstitial myofibroblasts attenuates renal fibrosis after unilateral ureteral obstruction in mice. <i>Oncotarget</i> , 2016 , 7, 54240-54252	3.3	13

37	Distinct Differences on Neointima Formation in Immunodeficient and Humanized Mice after Carotid or Femoral Arterial Injury. <i>Scientific Reports</i> , 2016 , 6, 35387	4.9	12
36	Serum free thiols in type 2 diabetes mellitus: A prospective study. <i>Journal of Clinical and Translational Endocrinology</i> , 2019 , 16, 100182	2.4	11
35	Renal heparan sulfate proteoglycans modulate fibroblast growth factor 2 signaling in experimental chronic transplant dysfunction. <i>American Journal of Pathology</i> , 2013 , 183, 1571-1584	5.8	11
34	A roadmap for the genetic analysis of renal aging. <i>Aging Cell</i> , 2015 , 14, 725-33	9.9	11
33	Role of peritoneal macrophages in cytomegalovirus-induced acceleration of autoimmune diabetes in BB-rats. <i>Clinical and Developmental Immunology</i> , 2003 , 10, 133-9		10
32	Effects of Sodium-Glucose Co-transporter 2 Inhibition with Empaglifozin on Renal Structure and Function in Non-diabetic Rats with Left Ventricular Dysfunction After Myocardial Infarction. <i>Cardiovascular Drugs and Therapy</i> , 2020 , 34, 311-321	3.9	9
31	Activation of Retinal Angiogenesis in Hyperglycemic Zebrafish Mutants. <i>Diabetes</i> , 2020 , 69, 1020-1031	0.9	9
30	Gasotransmitters in health and disease: a mitochondria-centered view. <i>Current Opinion in Pharmacology</i> , 2019 , 45, 87-93	5.1	9
29	Calcioprotein Particles: Balancing Mineral Homeostasis and Vascular Pathology. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2021 , 41, 1607-1624	9.4	9
28	Toll-Like Receptor Family Polymorphisms Are Associated with Primary Renal Diseases but Not with Renal Outcomes Following Kidney Transplantation. <i>PLoS ONE</i> , 2015 , 10, e0139769	3.7	8
27	N-Octanoyl dopamine transiently inhibits T cell proliferation via G1 cell-cycle arrest and inhibition of redox-dependent transcription factors. <i>Journal of Leukocyte Biology</i> , 2014 , 96, 453-62	6.5	8
26	Mild Coronavirus Disease 2019 (COVID-19) Is Marked by Systemic Oxidative Stress: A Pilot Study.. <i>Antioxidants</i> , 2021 , 10,	7.1	7
25	Vitamin D inhibits lymphangiogenesis through VDR-dependent mechanisms. <i>Scientific Reports</i> , 2017 , 7, 44403	4.9	5
24	Urinary Excretion of Sulfur Metabolites and Risk of Cardiovascular Events and All-Cause Mortality in the General Population. <i>Antioxidants and Redox Signaling</i> , 2019 , 30, 1999-2010	8.4	5
23	Predictive Value of Precision-Cut Kidney Slices as an Ex Vivo Screening Platform for Therapeutics in Human Renal Fibrosis. <i>Pharmaceutics</i> , 2020 , 12,	6.4	5
22	Cytomegalovirus-enhanced development of transplant arteriosclerosis in the rat; effect of timing of infection and recipient responsiveness. <i>Transplant International</i> , 2005 , 18, 735-42	3	4
21	Magnetic resonance imaging assessment of renal flow distribution patterns during ex vivo normothermic machine perfusion in porcine and human kidneys. <i>Transplant International</i> , 2021 , 34, 1643-1655		4
20	Klotho Deficiency Induces Arteriolar Hyalinosis in a Trade-Off with Vascular Calcification. <i>American Journal of Pathology</i> , 2019 , 189, 2503-2515	5.8	3

19	CD16+ monocytes with smooth muscle cell characteristics are reduced in human renal chronic transplant dysfunction. <i>Immunobiology</i> , 2015 , 220, 673-83	3.4	3
18	The Effect of a Fast-Releasing Hydrogen Sulfide Donor on Vascularization of Subcutaneous Scaffolds in Immunocompetent and Immunocompromised Mice. <i>Biomolecules</i> , 2020 , 10,	5.9	3
17	Simultaneous subcutaneous implantation of two osmotic minipumps connected to a jugular vein catheter in the rat. <i>Laboratory Animals</i> , 2014 , 48, 338-41	2.6	3
16	Genetic analysis of intracapillary glomerular lipoprotein deposits in aging mice. <i>PLoS ONE</i> , 2014 , 9, e111308	3.9	3
15	Tubular maximum phosphate reabsorption capacity in living kidney donors is independently associated with one-year recipient GFR. <i>American Journal of Physiology - Renal Physiology</i> , 2018 , 314, F196-F202	4.3	3
14	Serum calcification propensity is associated with HbA1c in type 2 diabetes mellitus. <i>BMJ Open Diabetes Research and Care</i> , 2021 , 9,	4.5	3
13	Feasibility of ex vivo fluorescence imaging of angiogenesis in (non-) culprit human carotid atherosclerotic plaques using bevacizumab-800CW. <i>Scientific Reports</i> , 2021 , 11, 2899	4.9	3
12	Serum calcification propensity in type 1 diabetes associates with mineral stress. <i>Diabetes Research and Clinical Practice</i> , 2019 , 158, 107917	7.4	2
11	[F]FDG Uptake in Adipose Tissue Is Not Related to Inflammation in Type 2 Diabetes Mellitus. <i>Molecular Imaging and Biology</i> , 2021 , 23, 117-126	3.8	2
10	VEGF-Targeted Multispectral Optoacoustic Tomography and Fluorescence Molecular Imaging in Human Carotid Atherosclerotic Plaques. <i>Diagnostics</i> , 2021 , 11,	3.8	2
9	Exposome and foetoplacental vascular dysfunction in gestational diabetes mellitus. <i>Molecular Aspects of Medicine</i> , 2021 , 101019	16.7	2
8	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. <i>Antioxidants</i> , 2021 , 10,	7.1	2
7	Oxidative stress biomarkers in fetal growth restriction with and without preeclampsia. <i>Placenta</i> , 2021 , 115, 87-96	3.4	2
6	Favourable serum calcification propensity with intraperitoneal as compared with subcutaneous insulin administration in type 1 diabetes. <i>Therapeutic Advances in Endocrinology and Metabolism</i> , 2020 , 11, 2042018820908456	4.5	1
5	Perivascular adipose tissue-derived nitric oxide compensates endothelial dysfunction in aged pre-atherosclerotic apolipoprotein E-deficient rats. <i>Vascular Pharmacology</i> , 2021 , 142, 106945	5.9	1
4	Klotho and aging phenotypes 2021 , 241-264		1
3	[F]-sodium fluoride autoradiography imaging of nephrocalcinosis in donor kidneys and explanted kidney allografts. <i>Scientific Reports</i> , 2021 , 11, 1841	4.9	
2	FP089ARTERIOLAR HYALINOSIS IN KLOTHO DEFICIENCY. <i>Nephrology Dialysis Transplantation</i> , 2018 , 33, i77-i77	4.3	

- 1 Prevention of Triglyceridemia by (Non-)Anticoagulant Heparin(oids) Does Not Preclude Transplant Vasculopathy and Glomerulosclerosis.. *Frontiers in Cell and Developmental Biology*, **2022**, 10, 798088 5·7