

# Hillebrands, JI

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/8681949/hillebrands-ji-publications-by-year.pdf>

**Version:** 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Prevention of Triglyceridemia by (Non-)Anticoagulant Heparin(oids) Does Not Preclude Transplant Vasculopathy and Glomerulosclerosis.. <i>Frontiers in Cell and Developmental Biology</i> , <b>2022</b> , 10, 798088	5.7	
71	SARS-CoV-2 infects the human kidney and drives fibrosis in kidney organoids.. <i>Cell Stem Cell</i> , <b>2021</b> ,	18	24
70	Mild Coronavirus Disease 2019 (COVID-19) Is Marked by Systemic Oxidative Stress: A Pilot Study.. <i>Antioxidants</i> , <b>2021</b> , 10,	7.1	7
69	Perivascular adipose tissue-derived nitric oxide compensates endothelial dysfunction in aged pre-atherosclerotic apolipoprotein E-deficient rats. <i>Vascular Pharmacology</i> , <b>2021</b> , 142, 106945	5.9	1
68	N-Acetylcysteine and Hydrogen Sulfide in Coronavirus Disease 2019. <i>Antioxidants and Redox Signaling</i> , <b>2021</b> , 35, 1207-1225	8.4	20
67	COVID-19: immunopathology, pathophysiological mechanisms, and treatment options. <i>Journal of Pathology</i> , <b>2021</b> , 254, 307-331	9.4	29
66	Calcioprotein Particles: Balancing Mineral Homeostasis and Vascular Pathology. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2021</b> , 41, 1607-1624	9.4	9
65	[F]FDG Uptake in Adipose Tissue Is Not Related to Inflammation in Type 2 Diabetes Mellitus. <i>Molecular Imaging and Biology</i> , <b>2021</b> , 23, 117-126	3.8	2
64	Klotho and aging phenotypes <b>2021</b> , 241-264		1
63	[F]-sodium fluoride autoradiography imaging of nephrocalcinosis in donor kidneys and explanted kidney allografts. <i>Scientific Reports</i> , <b>2021</b> , 11, 1841	4.9	
62	Serum calcification propensity is associated with HbA1c in type 2 diabetes mellitus. <i>BMJ Open Diabetes Research and Care</i> , <b>2021</b> , 9,	4.5	3
61	Feasibility of ex vivo fluorescence imaging of angiogenesis in (non-) culprit human carotid atherosclerotic plaques using bevacizumab-800CW. <i>Scientific Reports</i> , <b>2021</b> , 11, 2899	4.9	3
60	VEGF-Targeted Multispectral Optoacoustic Tomography and Fluorescence Molecular Imaging in Human Carotid Atherosclerotic Plaques. <i>Diagnostics</i> , <b>2021</b> , 11,	3.8	2
59	Magnetic resonance imaging assessment of renal flow distribution patterns during ex vivo normothermic machine perfusion in porcine and human kidneys. <i>Transplant International</i> , <b>2021</b> , 34, 1643-1655	4	
58	Exposome and foetoplacental vascular dysfunction in gestational diabetes mellitus. <i>Molecular Aspects of Medicine</i> , <b>2021</b> , 101019	16.7	2
57	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> , <b>2021</b> , 10,	7.1	2
56	Oxidative stress biomarkers in fetal growth restriction with and without preeclampsia. <i>Placenta</i> , <b>2021</b> , 115, 87-96	3.4	2

55	Angiotensin-converting enzyme 2 (ACE2), SARS-CoV-2 and the pathophysiology of coronavirus disease 2019 (COVID-19). <i>Journal of Pathology</i> , <b>2020</b> , 251, 228-248	9.4	473
54	The Effect of a Fast-Releasing Hydrogen Sulfide Donor on Vascularization of Subcutaneous Scaffolds in Immunocompetent and Immunocompromised Mice. <i>Biomolecules</i> , <b>2020</b> , 10,	5.9	3
53	Serum Calcification Propensity and the Risk of Cardiovascular and All-Cause Mortality in the General Population: The PREVENT Study. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2020</b> , 40, 1942-1951	9.4	15
52	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> , <b>2020</b> , 34, 311-321	3.9	9
51	Activation of Retinal Angiogenesis in Hyperglycemic Zebrafish Mutants. <i>Diabetes</i> , <b>2020</b> , 69, 1020-1031	0.9	9
50	Favourable serum calcification propensity with intraperitoneal as compared with subcutaneous insulin administration in type 1 diabetes. <i>Therapeutic Advances in Endocrinology and Metabolism</i> , <b>2020</b> , 11, 2042018820908456	4.5	1
49	Predictive Value of Precision-Cut Kidney Slices as an Ex Vivo Screening Platform for Therapeutics in Human Renal Fibrosis. <i>Pharmaceutics</i> , <b>2020</b> , 12,	6.4	5
48	Glomerular Endothelial Cells as Instigators of Glomerular Sclerotic Diseases. <i>Frontiers in Pharmacology</i> , <b>2020</b> , 11, 573557	5.6	23
47	Klotho Deficiency Induces Arteriolar Hyalinosis in a Trade-Off with Vascular Calcification. <i>American Journal of Pathology</i> , <b>2019</b> , 189, 2503-2515	5.8	3
46	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> , <b>2019</b> , 21, 862-873	12.3	127
45	Serum free thiols in type 2 diabetes mellitus: A prospective study. <i>Journal of Clinical and Translational Endocrinology</i> , <b>2019</b> , 16, 100182	2.4	11
44	Urinary Excretion of Sulfur Metabolites and Risk of Cardiovascular Events and All-Cause Mortality in the General Population. <i>Antioxidants and Redox Signaling</i> , <b>2019</b> , 30, 1999-2010	8.4	5
43	Gasotransmitters in health and disease: a mitochondria-centered view. <i>Current Opinion in Pharmacology</i> , <b>2019</b> , 45, 87-93	5.1	9
42	Dapagliflozin Attenuates Renal Tubulointerstitial Fibrosis Associated With Type 1 Diabetes by Regulating STAT1/TGF $\beta$ Signaling. <i>Frontiers in Endocrinology</i> , <b>2019</b> , 10, 441	5.7	31
41	Visceral adipose tissue volume is associated with premature atherosclerosis in early type 2 diabetes mellitus independent of traditional risk factors. <i>Atherosclerosis</i> , <b>2019</b> , 290, 87-93	3.1	14
40	Serum calcification propensity in type 1 diabetes associates with mineral stress. <i>Diabetes Research and Clinical Practice</i> , <b>2019</b> , 158, 107917	7.4	2
39	Oxidative stress in placental pathology. <i>Placenta</i> , <b>2018</b> , 69, 153-161	3.4	142
38	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> , <b>2018</b> , 314, F196-F202	4.3	3

37	FP089ARTERIOLAR HYALINOSIS IN KLOTHO DEFICIENCY. <i>Nephrology Dialysis Transplantation</i> , <b>2018</b> , 33, i77-i77	4.3	
36	Renal Klotho is Reduced in Septic Patients and Pretreatment With Recombinant Klotho Attenuates Organ Injury in Lipopolysaccharide-Challenged Mice. <i>Critical Care Medicine</i> , <b>2018</b> , 46, e1196-e1203	1.4	15
35	Critical role for complement receptor C5aR2 in the pathogenesis of renal ischemia-reperfusion injury. <i>FASEB Journal</i> , <b>2017</b> , 31, 3193-3204	0.9	25
34	Tissue expression and source of circulating Klotho. <i>Bone</i> , <b>2017</b> , 100, 19-35	4.7	55
33	Vitamin D inhibits lymphangiogenesis through VDR-dependent mechanisms. <i>Scientific Reports</i> , <b>2017</b> , 7, 44403	4.9	5
32	Fibroblast growth factor 23 modifies the pharmacological effects of angiotensin receptor blockade in experimental renal fibrosis. <i>Nephrology Dialysis Transplantation</i> , <b>2017</b> , 32, 73-80	4.3	30
31	Effects of Klotho on fibrosis and cancer: A renal focus on mechanisms and therapeutic strategies. <i>Advanced Drug Delivery Reviews</i> , <b>2017</b> , 121, 85-100	18.5	55
30	The role of the anti-ageing protein Klotho in vascular physiology and pathophysiology. <i>Ageing Research Reviews</i> , <b>2017</b> , 35, 124-146	12	68
29	Human alternative Klotho mRNA is a nonsense-mediated mRNA decay target inefficiently spliced in renal disease. <i>JCI Insight</i> , <b>2017</b> , 2,	9.9	39
28	Renal fibrosis in precision-cut kidney slices. <i>European Journal of Pharmacology</i> , <b>2016</b> , 790, 57-61	5.3	17
27	ELMO1 protects renal structure and ultrafiltration in kidney development and under diabetic conditions. <i>Scientific Reports</i> , <b>2016</b> , 6, 37172	4.9	25
26	Gasotransmitters in Vascular Complications of Diabetes. <i>Diabetes</i> , <b>2016</b> , 65, 331-45	0.9	33
25	Precision-cut human kidney slices as a model to elucidate the process of renal fibrosis. <i>Translational Research</i> , <b>2016</b> , 170, 8-16.e1	11	26
24	Angiotensin II induces reorganization of the actin cytoskeleton and myosin light-chain phosphorylation in podocytes through rho/ROCK-signaling pathway. <i>Renal Failure</i> , <b>2016</b> , 38, 268-75	2.9	15
23	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> , <b>2016</b> , 18, 283-91	3.8	24
22	The role of hydrogen sulfide in aging and age-related pathologies. <i>Aging</i> , <b>2016</b> , 8, 2264-2289	5.6	44
21	Interferon gamma peptidomimetic targeted to interstitial myofibroblasts attenuates renal fibrosis after unilateral ureteral obstruction in mice. <i>Oncotarget</i> , <b>2016</b> , 7, 54240-54252	3.3	13
20	Distinct Differences on Neointima Formation in Immunodeficient and Humanized Mice after Carotid or Femoral Arterial Injury. <i>Scientific Reports</i> , <b>2016</b> , 6, 35387	4.9	12

19	High urinary sulfate concentration is associated with reduced risk of renal disease progression in type 2 diabetes. <i>Nitric Oxide - Biology and Chemistry</i> , <b>2016</b> , 55-56, 18-24	5	23
18	CD16+ monocytes with smooth muscle cell characteristics are reduced in human renal chronic transplant dysfunction. <i>Immunobiology</i> , <b>2015</b> , 220, 673-83	3.4	3
17	Membrane-bound Klotho is not expressed endogenously in healthy or uraemic human vascular tissue. <i>Cardiovascular Research</i> , <b>2015</b> , 108, 220-31	9.9	35
16	A roadmap for the genetic analysis of renal aging. <i>Aging Cell</i> , <b>2015</b> , 14, 725-33	9.9	11
15	Toll-Like Receptor Family Polymorphisms Are Associated with Primary Renal Diseases but Not with Renal Outcomes Following Kidney Transplantation. <i>PLoS ONE</i> , <b>2015</b> , 10, e0139769	3.7	8
14	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> , <b>2015</b> , 290, 6408-18	5.4	19
13	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> , <b>2015</b> , 8, 1227-36	4.1	26
12	Selective delivery of IFN- $\beta$ to renal interstitial myofibroblasts: a novel strategy for the treatment of renal fibrosis. <i>FASEB Journal</i> , <b>2015</b> , 29, 1029-42	0.9	50
11	Sodium thiosulfate attenuates angiotensin II-induced hypertension, proteinuria and renal damage. <i>Nitric Oxide - Biology and Chemistry</i> , <b>2014</b> , 42, 87-98	5	52
10	Simultaneous subcutaneous implantation of two osmotic minipumps connected to a jugular vein catheter in the rat. <i>Laboratory Animals</i> , <b>2014</b> , 48, 338-41	2.6	3
9	Genetic analysis of intracapillary glomerular lipoprotein deposits in aging mice. <i>PLoS ONE</i> , <b>2014</b> , 9, e1111308	3.9	3
8	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> , <b>2014</b> , 96, 453-62	6.5	8
7	Identification of novel genes associated with renal tertiary lymphoid organ formation in aging mice. <i>PLoS ONE</i> , <b>2014</b> , 9, e91850	3.7	15
6	Renal heparan sulfate proteoglycans modulate fibroblast growth factor 2 signaling in experimental chronic transplant dysfunction. <i>American Journal of Pathology</i> , <b>2013</b> , 183, 1571-1584	5.8	11
5	Donor and recipient contribution to transplant vasculopathy in chronic renal transplant dysfunction. <i>Transplantation</i> , <b>2009</b> , 88, 1386-92	1.8	13
4	Cytomegalovirus-enhanced development of transplant arteriosclerosis in the rat; effect of timing of infection and recipient responsiveness. <i>Transplant International</i> , <b>2005</b> , 18, 735-42	3	4
3	Role of progenitor cells in transplant arteriosclerosis. <i>Trends in Cardiovascular Medicine</i> , <b>2005</b> , 15, 1-8	6.9	33
2	Chronic transplant dysfunction and transplant arteriosclerosis: new insights into underlying mechanisms. <i>Expert Reviews in Molecular Medicine</i> , <b>2003</b> , 5, 1-23	6.7	21

- 1 Role of peritoneal macrophages in cytomegalovirus-induced acceleration of autoimmune diabetes in BB-rats. *Clinical and Developmental Immunology*, **2003**, 10, 133-9

10