

# Hendrik Gremmels

## List of Publications by Citations

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

59 papers	1,821 citations	18 h-index	42 g-index
61 ext. papers	2,238 ext. citations	6.4 avg, IF	4.84 L-index

#	Paper	IF	Citations
59	Cellular stress conditions are reflected in the protein and RNA content of endothelial cell-derived exosomes. <i>Journal of Extracellular Vesicles</i> , <b>2012</b> , 1,	16.4	392
58	Immune involvement in the pathogenesis of schizophrenia: a meta-analysis on postmortem brain studies. <i>Translational Psychiatry</i> , <b>2017</b> , 7, e1075	8.6	179
57	Prolonged presence of VEGF promotes vascularization in 3D bioprinted scaffolds with defined architecture. <i>Journal of Controlled Release</i> , <b>2014</b> , 184, 58-66	11.7	165
56	Cardiac Stem Cell Treatment in Myocardial Infarction: A Systematic Review and Meta-Analysis of Preclinical Studies. <i>Circulation Research</i> , <b>2016</b> , 118, 1223-32	15.7	112
55	Real-life validation of the Panbio COVID-19 antigen rapid test (Abbott) in community-dwelling subjects with symptoms of potential SARS-CoV-2 infection. <i>EClinicalMedicine</i> , <b>2021</b> , 31, 100677	11.3	91
54	Deoxynivalenol: a trigger for intestinal integrity breakdown. <i>FASEB Journal</i> , <b>2014</b> , 28, 2414-29	0.9	90
53	Exosomes from hypoxic endothelial cells have increased collagen crosslinking activity through up-regulation of lysyl oxidase-like 2. <i>Journal of Cellular and Molecular Medicine</i> , <b>2016</b> , 20, 342-50	5.6	68
52	Cell-based therapies for experimental chronic kidney disease: a systematic review and meta-analysis. <i>DMM Disease Models and Mechanisms</i> , <b>2015</b> , 8, 281-93	4.1	64
51	Bone marrow alterations and lower endothelial progenitor cell numbers in critical limb ischemia patients. <i>PLoS ONE</i> , <b>2013</b> , 8, e55592	3.7	57
50	Sildenafil During Pregnancy: A Preclinical Meta-Analysis on Fetal Growth and Maternal Blood Pressure. <i>Hypertension</i> , <b>2017</b> , 70, 998-1006	8.5	49
49	Diabetes Is Associated With Decreased Limb Survival in Patients With Critical Limb Ischemia: Pooled Data From Two Randomized Controlled Trials. <i>Diabetes Care</i> , <b>2016</b> , 39, 2058-2064	14.6	48
48	Proteomic Signature of Mesenchymal Stromal Cell-Derived Small Extracellular Vesicles. <i>Proteomics</i> , <b>2019</b> , 19, e1800163	4.8	45
47	Neovascularization capacity of mesenchymal stromal cells from critical limb ischemia patients is equivalent to healthy controls. <i>Molecular Therapy</i> , <b>2014</b> , 22, 1960-70	11.7	42
46	MKS1 regulates ciliary INPP5E levels in Joubert syndrome. <i>Journal of Medical Genetics</i> , <b>2016</b> , 53, 62-72	5.8	33
45	Different types of cultured human adult cardiac progenitor cells have a high degree of transcriptome similarity. <i>Journal of Cellular and Molecular Medicine</i> , <b>2014</b> , 18, 2147-51	5.6	30
44	Oleic acid increases mitochondrial reactive oxygen species production and decreases endothelial nitric oxide synthase activity in cultured endothelial cells. <i>European Journal of Pharmacology</i> , <b>2015</b> , 751, 67-72	5.3	29
43	Renal safety of catheter-based renal denervation: systematic review and meta-analysis. <i>Nephrology Dialysis Transplantation</i> , <b>2017</b> , 32, 1440-1447	4.3	22

42	Real-life validation of the Panbio COVID-19 Antigen Rapid Test (Abbott) in community-dwelling subjects with symptoms of potential SARS-CoV-2 infection		19
41	Growth Differentiation Factor 15 Is Associated With Major Amputation and Mortality in Patients With Peripheral Artery Disease. <i>Journal of the American Heart Association</i> , <b>2017</b> , 6,	6	18
40	Transcriptome analysis in endothelial progenitor cell biology. <i>Antioxidants and Redox Signaling</i> , <b>2011</b> , 15, 1029-42	8.4	18
39	Proteins in Preservation Fluid as Predictors of Delayed Graft Function in Kidneys from Donors after Circulatory Death. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , <b>2017</b> , 12, 817-824	6.9	17
38	Cellular Therapies in Systemic Sclerosis: Recent Progress. <i>Current Rheumatology Reports</i> , <b>2016</b> , 18, 12	4.9	17
37	The Transcription Factor Nrf2 Protects Angiogenic Capacity of Endothelial Colony-Forming Cells in High-Oxygen Radical Stress Conditions. <i>Stem Cells International</i> , <b>2017</b> , 2017, 4680612	5	15
36	TCF21 hypermethylation regulates renal tumor cell clonogenic proliferation and migration. <i>Molecular Oncology</i> , <b>2018</b> , 12, 166-179	7.9	13
35	Mesenchymal stromal cells for the treatment of critical limb ischemia: context and perspective. <i>Stem Cell Research and Therapy</i> , <b>2013</b> , 4, 140	8.3	13
34	Elevated nucleoprotein-induced interferon- $\beta$ release in COVID-19 patients detected in a SARS-CoV-2 enzyme-linked immunosorbent spot assay. <i>Journal of Infection</i> , <b>2020</b> , 81, 452-482	18.9	12
33	Mesenchymal Stromal Cell Characteristics and Regenerative Potential in Cardiovascular Disease: Implications for Cellular Therapy. <i>Cell Transplantation</i> , <b>2018</b> , 27, 765-785	4	12
32	A randomised placebo-controlled double-blind trial to assess the safety of intramuscular administration of allogeneic mesenchymal stromal cells for digital ulcers in systemic sclerosis: the MANUS Trial protocol. <i>BMJ Open</i> , <b>2018</b> , 8, e020479	3	11
31	Lymphatic Vascular Regeneration: The Next Step in Tissue Engineering. <i>Tissue Engineering - Part B: Reviews</i> , <b>2016</b> , 22, 1-14	7.9	9
30	Increased amount of bone marrow-derived smooth muscle-like cells and accelerated atherosclerosis in diabetic apoE-deficient mice. <i>Atherosclerosis</i> , <b>2013</b> , 226, 341-7	3.1	9
29	Prenatal Amino Acid Supplementation to Improve Fetal Growth: A Systematic Review and Meta-Analysis. <i>Nutrients</i> , <b>2020</b> , 12,	6.7	9
28	Paracrine Proangiogenic Function of Human Bone Marrow-Derived Mesenchymal Stem Cells Is Not Affected by Chronic Kidney Disease. <i>Stem Cells International</i> , <b>2019</b> , 2019, 1232810	5	9
27	Rationale and design of the SAIL trial for intramuscular injection of allogeneic mesenchymal stromal cells in no-option critical limb ischemia. <i>Journal of Vascular Surgery</i> , <b>2018</b> , 67, 656-661	3.5	9
26	High and immeasurable ankle-brachial index as predictor of poor amputation-free survival in critical limb ischemia. <i>Journal of Vascular Surgery</i> , <b>2018</b> , 67, 1864-1871.e3	3.5	8
25	Responder Definition in Clinical Stem Cell Trials in Cardiology: Will the Real Responder Please Stand Up?. <i>Circulation Research</i> , <b>2016</b> , 119, 514-8	15.7	8

24	Risk of uterine rupture in women undergoing trial of labour with a history of both a caesarean section and a vaginal delivery. <i>Archives of Gynecology and Obstetrics</i> , <b>2011</b> , 284, 1053-8	2.5	8
23	Dissecting recipient from donor contribution in experimental kidney transplantation: focus on endothelial proliferation and inflammation. <i>DMM Disease Models and Mechanisms</i> , <b>2018</b> , 11,	4.1	7
22	Cell Therapy for Chronic Limb-Threatening Ischemia: Current Evidence and Future Directions. <i>Stem Cells Translational Medicine</i> , <b>2018</b> , 7, 842-846	6.9	7
21	Ex vivo exposure of bone marrow from chronic kidney disease donor rats to pravastatin limits renal damage in recipient rats with chronic kidney disease. <i>Stem Cell Research and Therapy</i> , <b>2015</b> , 6, 63	8.3	6
20	Extravascular renal denervation ameliorates juvenile hypertension and renal damage resulting from experimental hyperleptinemia in rats. <i>Journal of Hypertension</i> , <b>2017</b> , 35, 2537-2547	1.9	5
19	Screening for SARS-CoV-2 infection in asymptomatic individuals using the Panbio COVID-19 antigen rapid test (Abbott) compared with RT-PCR: a prospective cohort study. <i>BMJ Open</i> , <b>2021</b> , 11, e048206	3	5
18	Plasma Methylglyoxal Levels Are Associated With Amputations and Mortality in Severe Limb Ischemia Patients With and Without Diabetes. <i>Diabetes Care</i> , <b>2021</b> , 44, 157-163	14.6	5
17	Conflicting Effects of Fetal Growth Restriction on Blood Pressure Between Human and Rat Offspring: A Meta-Analysis. <i>Hypertension</i> , <b>2020</b> , 75, 806-818	8.5	4
16	Screening for SARS-CoV-2 infection in asymptomatic individuals using the Panbio COVID-19 Antigen Rapid Test (Abbott) compared to RT-qPCR		4
15	A plasma creatinine- and urea-based equation to estimate glomerular filtration rate in rats. <i>American Journal of Physiology - Renal Physiology</i> , <b>2021</b> , 320, F518-F524	4.3	4
14	The Small RNA Repertoire of Small Extracellular Vesicles Isolated From Donor Kidney Preservation Fluid Provides a Source for Biomarker Discovery for Organ Quality and Posttransplantation Graft Function. <i>Transplantation Direct</i> , <b>2019</b> , 5, e484	2.3	4
13	A Pro-Inflammatory Biomarker-Profile Predicts Amputation-Free Survival in Patients with Severe Limb Ischemia. <i>Scientific Reports</i> , <b>2019</b> , 9, 10740	4.9	3
12	Early Vascular Damage in Young Women with DM-1 and Its Relation to Anti-Müllerian Hormone: A Cross-Sectional Study. <i>International Journal of Endocrinology</i> , <b>2016</b> , 2016, 1487051	2.7	3
11	Exhaustion of the bone marrow progenitor cell reserve is associated with major events in severe limb ischemia. <i>Angiogenesis</i> , <b>2019</b> , 22, 411-420	10.6	2
10	T-cells contribute to hypertension but not to renal injury in mice with subtotal nephrectomy. <i>BMC Nephrology</i> , <b>2017</b> , 18, 153	2.7	2
9	External validation of the Vascular Quality Initiative prediction model for survival in no-option chronic limb-threatening ischemia patients. <i>Journal of Vascular Surgery</i> , <b>2020</b> , 72, 1659-1666.e1	3.5	2
8	The in-vitro biocompatibility of ureido-pyrimidinone compounds and polymer degradation products. <i>Journal of Polymer Science</i> , <b>2021</b> , 59, 1267-1277	2.4	2
7	Validation of randomized controlled trial-derived models for the prediction of postintervention outcomes in chronic limb-threatening ischemia. <i>Journal of Vascular Surgery</i> , <b>2020</b> , 71, 869-879	3.5	2

6	No improvement of pregnancy outcomes in first STRIDER trial: result of a low dose?. <i>The Lancet Child and Adolescent Health</i> , <b>2018</b> , 2, e11	14.5	2
5	Fibrates in hypertension: where do we stand?. <i>Journal of Hypertension</i> , <b>2018</b> , 36, 1024-1028	1.9	1
4	Combined meta-analysis of preclinical cell therapy studies shows overlapping effect modifiers for multiple diseases.. <i>BMJ Open Science</i> , <b>2021</b> , 5, e100061	4.6	1
3	Comment on Stem-cell therapy for peripheral arterial occlusive disease. <i>European Journal of Vascular and Endovascular Surgery</i> , <b>2012</b> , 43, 486; author reply 487	2.3	
2	Letter regarding the article, "a detailed analysis of bone marrow from patients with ischemic heart disease and left ventricular dysfunction: BM CD34, CD11b, and clonogenic capacity as biomarkers for clinical outcomes". <i>Circulation Research</i> , <b>2014</b> , 115, e35	15.7	
1	Evaluation of bone marrow-derived cell-based therapies in the hindlimb ischaemia model: a protocol for a systematic review and meta-analysis.. <i>BMJ Open Science</i> , <b>2021</b> , 5, e100209	4.6	