

Barend M E Mees

List of Publications by Year in descending order

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74
papers

1,861
citations

304743

22
h-index

265206

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75
all docs

75
docs citations

75
times ranked

2840
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of Vascular Smooth Muscle Cell Phenotypic Switching and Calcification in Aortic Aneurysm Formation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2019, 39, 1351-1368.	2.4	203
2	A Different Outlook on the Role of Bone Marrow Stem Cells in Vascular Growth. <i>Circulation Research</i> , 2004, 94, 573-574.	4.5	164
3	NADPH Oxidase-Derived Overproduction of Reactive Oxygen Species Impairs Postischemic Neovascularization in Mice with Type 1 Diabetes. <i>American Journal of Pathology</i> , 2006, 169, 719-728.	3.8	154
4	A novel model of cryoinjury-induced myocardial infarction in the mouse: a comparison with coronary artery ligation. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005, 289, H1291-H1300.	3.2	120
5	Microparticles From Ischemic Muscle Promotes Postnatal Vasculogenesis. <i>Circulation</i> , 2009, 119, 2808-2817.	1.6	118
6	Reactive Oxygen-Forming Nox5 Links Vascular Smooth Muscle Cell Phenotypic Switching and Extracellular Vesicle-Mediated Vascular Calcification. <i>Circulation Research</i> , 2020, 127, 911-927.	4.5	104
7	Reduction of Blood Pressure, Plasma Cholesterol, and Atherosclerosis by Elevated Endothelial Nitric Oxide. <i>Journal of Biological Chemistry</i> , 2002, 277, 48803-48807.	3.4	93
8	Endothelial Nitric Oxide Synthase Activity Is Essential for Vasodilation During Blood Flow Recovery but not for Arteriogenesis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2007, 27, 1926-1933.	2.4	57
9	Functional Expression of Endothelial Nitric Oxide Synthase Fused to Green Fluorescent Protein in Transgenic Mice. <i>American Journal of Pathology</i> , 2003, 163, 1677-1686.	3.8	55
10	Hypertension Impairs Postnatal Vasculogenesis. <i>Hypertension</i> , 2008, 51, 1537-1544.	2.7	55
11	Shear Stress Regulates Angiotensin Type 1 Receptor Expression in Endothelial Cells. <i>Circulation Research</i> , 2009, 105, 869-875.	4.5	50
12	High Pressure Promotes Monocyte Adhesion to the Vascular Wall. <i>Circulation Research</i> , 2007, 100, 1226-1233.	4.5	47
13	Plasma Biomarkers to Predict Cardiovascular Outcome in Patients With Peripheral Artery Disease. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020, 40, 2018-2032.	2.4	42
14	Editor's Choice " Open Thoracic and Thoraco-abdominal Aortic Repair in Patients with Connective Tissue Disease. <i>European Journal of Vascular and Endovascular Surgery</i> , 2017, 54, 588-596.	1.5	38
15	Real-Time Patient and Staff Radiation Dose Monitoring in IR Practice. <i>CardioVascular and Interventional Radiology</i> , 2017, 40, 421-429.	2.0	34
16	Combination of the Angiotensin-Converting Enzyme Inhibitor Perindopril and the Diuretic Indapamide Activate Postnatal Vasculogenesis in Spontaneously Hypertensive Rats. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2008, 325, 766-773.	2.5	33
17	Integrative multiomics analysis of human atherosclerosis reveals a serum response factor-driven network associated with intraplaque hemorrhage. <i>Clinical and Translational Medicine</i> , 2021, 11, e458.	4.0	33
18	Transradial Approach for Aortoiliac and Femoropopliteal Interventions: A Systematic Review and Meta-analysis. <i>Journal of Endovascular Therapy</i> , 2018, 25, 599-607.	1.5	31

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19	Tetrapeptide AcSDKP Induces Postischemic Neovascularization Through Monocyte Chemoattractant Protein-1 Signaling. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2006, 26, 773-779.	2.4	28
20	Pre-operative Psoas Muscle Size Combined With Radiodensity Predicts Mid-Term Survival and Quality of Life After Fenestrated-Branched Endovascular Aortic Repair. <i>European Journal of Vascular and Endovascular Surgery</i> , 2020, 59, 31-39.	1.5	27
21	Endothelial Nitric Oxide Synthase Overexpression Restores the Efficiency of Bone Marrow Mononuclear Cell-Based Therapy. <i>American Journal of Pathology</i> , 2011, 178, 55-60.	3.8	26
22	Application of an Adaptive Polynomial Chaos Expansion on Computationally Expensive Three-Dimensional Cardiovascular Models for Uncertainty Quantification and Sensitivity Analysis. <i>Journal of Biomechanical Engineering</i> , 2016, 138, .	1.3	26
23	Cerebrovascular Complications After Upper Extremity Access for Complex Aortic Interventions: A Systematic Review and Meta-Analysis. <i>CardioVascular and Interventional Radiology</i> , 2020, 43, 186-195.	2.0	24
24	Nicotine promotes vascular calcification via intracellular Ca ²⁺ -mediated, Nox5-induced oxidative stress, and extracellular vesicle release in vascular smooth muscle cells. <i>Cardiovascular Research</i> , 2022, 118, 2196-2210.	3.8	24
25	Editor's Choice " Outcomes After One Stage Versus Two Stage Open Repair of Type II Thoraco-abdominal Aortic Aneurysms. <i>European Journal of Vascular and Endovascular Surgery</i> , 2019, 57, 340-348.	1.5	23
26	Editor's Choice " Open Thoracic and Thoraco-abdominal Aortic Repair After Prior Endovascular Therapy. <i>European Journal of Vascular and Endovascular Surgery</i> , 2018, 56, 57-67.	1.5	18
27	A systematic review on the use of muscle flaps for deep groin infection following vascular surgery. <i>Journal of Vascular Surgery</i> , 2020, 71, 693-700.e1.	1.1	17
28	Psoas muscle area and attenuation are highly predictive of complications and mortality after complex endovascular aortic repair. <i>Journal of Vascular Surgery</i> , 2021, 73, 1178-1188.e1.	1.1	15
29	Percutaneous Axillary Artery Access in Complex Endovascular Aortic Repair. <i>Journal of Vascular and Interventional Radiology</i> , 2019, 30, 830-835.	0.5	14
30	Searching for a Common Thrombo-Inflammatory Basis in Patients With Deep Vein Thrombosis or Peripheral Artery Disease. <i>Frontiers in Cardiovascular Medicine</i> , 2019, 6, 33.	2.4	13
31	Editor's Choice " Mortality and Major Amputation after Revascularisation in Octogenarians Versus Non-Octogenarians with Chronic Limb Threatening Ischaemia: A Systematic Review and Meta-Analysis. <i>European Journal of Vascular and Endovascular Surgery</i> , 2020, 60, 231-241.	1.5	13
32	Stabilization of a steerable sheath during retrograde access to antegrade-oriented branches in complex endovascular aortic aneurysm repair. <i>Journal of Vascular Surgery Cases and Innovative Techniques</i> , 2020, 6, 288-291.	0.6	13
33	Gentamicin Containing Collagen Implants and Groin Wound Infections in Vascular Surgery: A Prospective Randomised Controlled Multicentre Trial. <i>European Journal of Vascular and Endovascular Surgery</i> , 2020, 59, 635-641.	1.5	12
34	Deficiency of myeloid PHD proteins aggravates atherogenesis via macrophage apoptosis and paracrine fibrotic signalling. <i>Cardiovascular Research</i> , 2022, 118, 1232-1246.	3.8	12
35	Intracardiac migration and knotting of a ventriculoperitoneal shunt. <i>Journal of Clinical Neuroscience</i> , 2015, 22, 771-773.	1.5	11
36	Graft Modification Strategies to Improve Patency of Prosthetic Arteriovenous Grafts for Hemodialysis. <i>Journal of Vascular Access</i> , 2016, 17, S85-S90.	0.9	10

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37	A Stopped Pilot Study of the ProGlide Closure Device After Transbrachial Endovascular Interventions. <i>Journal of Endovascular Therapy</i> , 2019, 26, 727-731.	1.5	10
38	Computational study on the haemodynamic and mechanical performance of electrospun polyurethane dialysis grafts. <i>Biomechanics and Modeling in Mechanobiology</i> , 2020, 19, 713-722.	2.8	9
39	Endovascular repair of popliteal artery pseudoaneurysm with covered stent following total knee joint replacement. <i>ANZ Journal of Surgery</i> , 2013, 83, 491-492.	0.7	8
40	Should endovascular approach be considered as the first option for thoraco-abdominal aortic aneurysms?. <i>Journal of Cardiovascular Surgery</i> , 2019, 60, 298-312.	0.6	7
41	Development of the BioHybrid Assay: Combining Primary Human Vascular Smooth Muscle Cells and Blood to Measure Vascular Calcification Propensity. <i>Cells</i> , 2021, 10, 2097.	4.1	6
42	Revision Techniques for Failed PD Catheters: Outcome in a University Hospital. <i>Journal of Vascular Access</i> , 2015, 16, S93-S95.	0.9	5
43	Computational Modelling Based Recommendation on Optimal Dialysis Needle Positioning and Dialysis Flow in Patients With Arteriovenous Grafts. <i>European Journal of Vascular and Endovascular Surgery</i> , 2020, 59, 288-294.	1.5	5
44	The Effect of Geometric Graft Modification on Arteriovenous Graft Patency in Haemodialysis Patients: A Systematic Review and Meta-Analysis. <i>European Journal of Vascular and Endovascular Surgery</i> , 2020, 60, 568-577.	1.5	5
45	Use of thoracic stent grafts to control major iliac vein bleeding. <i>Journal of Vascular Surgery: Venous and Lymphatic Disorders</i> , 2021, 9, 1058-1061.	1.6	5
46	Haemodynamic optimisation of a dialysis graft design using a global optimisation approach. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2021, 37, e3423.	2.1	4
47	Do-(Not-)Mechanical-Circulatory-Support Orders: Should We Ask All Cardiac Surgery Patients for Informed Consent for Post-Cardiotomy Extracorporeal Life Circulatory Support?. <i>Journal of Clinical Medicine</i> , 2021, 10, 383.	2.4	4
48	Non-aortic aneurysms - natural history and recommendations for referral and treatment. <i>Australian Family Physician</i> , 2013, 42, 370-4.	0.5	4
49	Management of Intra-Aortic Balloon Pump Rupture and Entrapment. <i>Aorta</i> , 2016, 04, 61-63.	0.5	3
50	An International, Multicenter Retrospective Observational Study to Assess Technical Success and Clinical Outcomes of Patients Treated with an Endovascular Aneurysm Sealing Device for Type III Endoleak. <i>Journal of Endovascular Therapy</i> , 2022, 29, 57-65.	1.5	3
51	Perioperative and long-term outcome after ascending aortic and arch repair with elephant trunk and open thoracoabdominal aortic aneurysm repair. <i>Journal of Vascular Surgery</i> , 2022, 75, 824-832.	1.1	3
52	Transcriptional Sex Dimorphism in Human Atherosclerosis Relates to Plaque Type. <i>Circulation Research</i> , 2021, 129, 1175-1177.	4.5	3
53	Safety of Percutaneous Femoral Access for Endovascular Aortic Aneurysm Repair Through Previously Surgically Exposed or Repaired Femoral Arteries. <i>Journal of Endovascular Therapy</i> , 2022, , 152660282210929.	1.5	3
54	Duplex Analysis of Cannulated Vessels in Peripheral Venous-Arterial Extracorporeal Membrane Oxygenation. <i>Medicina (Lithuania)</i> , 2022, 58, 671.	2.0	3

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55	Late neurological recovery of paraplegia after endovascular repair of an infected thoracic aortic aneurysm. <i>Journal of Vascular Surgery</i> , 2013, 57, 521-524.	1.1	2
56	Chimney Endovascular Aneurysm Repair from Below. <i>European Journal of Vascular and Endovascular Surgery</i> , 2020, 60, 780.	1.5	2
57	Can Electric Nose Breath Analysis Identify Abdominal Wall Hernia Recurrence and Aortic Aneurysms? A Proof-of-Concept Study. <i>Surgical Innovation</i> , 2020, 27, 366-372.	0.9	2
58	A systematic review and meta-analysis of the cerebrovascular event incidence after transcatheter aortic valve implantation. <i>Clinical Research in Cardiology</i> , 2022, 111, 843-858.	3.3	2
59	Symptomatic free-floating carotid thrombus extending to the skull base. <i>Neurology: Clinical Practice</i> , 2014, 4, 536-537.	1.6	1
60	Endovascular repair of a 63-year-old complication: post-traumatic anterior tibial artery arteriovenous fistula. <i>ANZ Journal of Surgery</i> , 2017, 87, E52-E53.	0.7	1
61	Comparing Mobile C-Arm with a Hybrid Operating Room for Imaging in Fenestrated Stent-Graft Endovascular Abdominal Aortic Aneurysm Repair. <i>Annals of Vascular Surgery</i> , 2020, 68, 261-269.	0.9	1
62	Mortality in Octogenarians With Chronic Limb Threatening Ischaemia After Revascularisation or Conservative Therapy Alone. <i>European Journal of Vascular and Endovascular Surgery</i> , 2021, 61, 350-351.	1.5	1
63	A risk score for iliofemoral patients with deep vein thrombosis. <i>Journal of Vascular Surgery: Venous and Lymphatic Disorders</i> , 2021, , .	1.6	1
64	Nationwide Experience with EVAS Relining of Previous Open or Endovascular AAA Treatment in The Netherlands. <i>Annals of Vascular Surgery</i> , 2022, 84, 250-264.	0.9	1
65	Monitoring Spinal Cord Function in Open and Endovascular Treatment of Thoracoabdominal Aortic Pathologies. , 2019, , 1127-1142.		0
66	Ongoing migration of chimney endovascular aneurysm sealing. <i>Journal of Vascular Surgery Cases and Innovative Techniques</i> , 2020, 6, 443.	0.6	0
67	Mechanical ventilation variability due to tracheal compression in a patient with a mycotic descending aortic aneurysm: an inverse correlation with blood pressure. <i>European Journal of Cardio-thoracic Surgery</i> , 2020, 58, 864-866.	1.4	0
68	Re "Gentamicin Containing Collagen Implants and Groin Wound Infections in Vascular Surgery: A Prospective Randomised Controlled Multicentre Trial". <i>European Journal of Vascular and Endovascular Surgery</i> , 2020, 60, 318-319.	1.5	0
69	Response to "Re The Effect of Geometrical Graft Modification on Arteriovenous Graft Patency in Haemodialysis Patients: A Systematic Review and Meta-Analysis". <i>European Journal of Vascular and Endovascular Surgery</i> , 2021, 61, 346-347.	1.5	0
70	Response to: "Re ChEVAR from Below". <i>European Journal of Vascular and Endovascular Surgery</i> , 2021, 61, 525-526.	1.5	0
71	Off the Shelf Fenestrated Stent Grafts: "Mind The Gap?". <i>European Journal of Vascular and Endovascular Surgery</i> , 2021, 61, 559.	1.5	0
72	Peri-operative Myocardial Injury After Complex Endovascular Aortic Aneurysm Repair: MINS Is Not Meaningless. <i>European Journal of Vascular and Endovascular Surgery</i> , 2021, 62, 559-560.	1.5	0

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73	Endothelial Nitric Oxide Synthase in Cardiovascular Homeostasis and Disease. Basic Science for the Cardiologist, 2004, , 291-310.	0.1	0
74	European Collaborations on Thoraco-Abdominal Aortic Aneurysm Repair: "We Want More!", European Journal of Vascular and Endovascular Surgery, 2020, 60, 853.	1.5	0