

Koen D Reesink

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

976
citations

623188

14
h-index

454577

30
g-index

32
all docs

32
docs citations

32
times ranked

1388
citing authors

#	ARTICLE	IF	CITATIONS
1	The Role of Vascular Smooth Muscle Cells in Arterial Remodeling: Focus on Calcification-Related Processes. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5694.	1.8	166
2	Pressure-dependence of arterial stiffness. <i>Journal of Hypertension</i> , 2015, 33, 330-338.	0.3	112
3	Arterial stiffness index beta and cardio-ankle vascular index inherently depend on blood pressure but can be readily corrected. <i>Journal of Hypertension</i> , 2017, 35, 98-104.	0.3	107
4	The dicrotic notch as alternative time-reference point to measure local pulse wave velocity in the carotid artery by means of ultrasonography. <i>Journal of Hypertension</i> , 2009, 27, 2028-2035.	0.3	99
5	Heart Rate Dependency of Large Artery Stiffness. <i>Hypertension</i> , 2016, 68, 236-242.	1.3	79
6	Menaquinone-7 Supplementation to Reduce Vascular Calcification in Patients with Coronary Artery Disease: Rationale and Study Protocol (VitaK-CAC Trial). <i>Nutrients</i> , 2015, 7, 8905-8915.	1.7	52
7	Augmentation index is not a proxy for wave reflection magnitude: mechanistic analysis using a computational model. <i>Journal of Applied Physiology</i> , 2019, 127, 491-500.	1.2	36
8	Options for Dealing with Pressure Dependence of Pulse Wave Velocity as a Measure of Arterial Stiffness: An Update of Cardio-Ankle Vascular Index (CAVI) and CAVIO. <i>Pulse</i> , 2017, 5, 106-114.	0.9	28
9	Constitutive interpretation of arterial stiffness in clinical studies: a methodological review. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019, 316, H693-H709.	1.5	28
10	A constitutive modeling interpretation of the relationship among carotid artery stiffness, blood pressure, and age in hypertensive subjects. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015, 308, H568-H582.	1.5	24
11	A method for three-dimensional quantification of vascular smooth muscle orientation: application in viable murine carotid arteries. <i>Biomechanics and Modeling in Mechanobiology</i> , 2016, 15, 419-432.	1.4	20
12	Five years of cardio-ankle vascular index (CAVI) and CAVIO: how close are we to a pressure-independent index of arterial stiffness?. <i>Journal of Hypertension</i> , 2021, 39, 2128-2138.	0.3	19
13	Simulation of adaptation of blood vessel geometry to flow and pressure: Implications for arterio-venous impedance. <i>Mechanics Research Communications</i> , 2012, 42, 15-21.	1.0	17
14	A Control Systems Approach to Quantify Wall Shear Stress Normalization by Flow-Mediated Dilatation in the Brachial Artery. <i>PLoS ONE</i> , 2015, 10, e0115977.	1.1	16
15	Heart rate and blood pressure dependence of aortic distensibility in rats: comparison of measured and calculated pulse wave velocity. <i>Journal of Hypertension</i> , 2021, 39, 117-126.	0.3	16
16	Echogenic perfluorohexane-loaded macrophages adhere in vivo to activated vascular endothelium in mice, an explorative study. <i>Cardiovascular Ultrasound</i> , 2015, 13, 1.	0.5	15
17	Noninvasive pulmonary transit time: A new parameter for general cardiac performance. <i>Echocardiography</i> , 2017, 34, 1138-1145.	0.3	14
18	Imaging and modeling of acute pressure-induced changes of collagen and elastin microarchitectures in pig and human resistance arteries. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2017, 313, H164-H178.	1.5	13

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19	Patient-specific blood pressure correction technique for arterial stiffness: evaluation in a cohort on anti-angiogenic medication. <i>Hypertension Research</i> , 2017, 40, 752-757.	1.5	13
20	Uncertainty quantification and sensitivity analysis of an arterial wall mechanics model for evaluation of vascular drug therapies. <i>Biomechanics and Modeling in Mechanobiology</i> , 2018, 17, 55-69.	1.4	13
21	Do treatment-induced changes in arterial stiffness affect left ventricular structure? A meta-analysis. <i>Journal of Hypertension</i> , 2019, 37, 253-263.	0.3	13
22	Pressure-Corrected Carotid Stiffness and Young's Modulus: Evaluation in an Outpatient Clinic Setting. <i>American Journal of Hypertension</i> , 2021, 34, 737-743.	1.0	13
23	An integrated set-up for ex vivo characterisation of biaxial murine artery biomechanics under pulsatile conditions. <i>Scientific Reports</i> , 2021, 11, 2671.	1.6	12
24	Large vessels as a tree of transmission lines incorporated in the CircAdapt whole-heart model: A computational tool to examine heart-vessel interaction. <i>PLoS Computational Biology</i> , 2019, 15, e1007173.	1.5	11
25	The Putative Role of Methylglyoxal in Arterial Stiffening: A Review. <i>Heart Lung and Circulation</i> , 2021, 30, 1681-1693.	0.2	9
26	Increased myocardial stiffness more than impaired relaxation function limits cardiac performance during exercise in heart failure with preserved ejection fraction: a virtual patient study. <i>European Heart Journal Digital Health</i> , 2020, 1, 40-50.	0.7	8
27	Intra-Operative Video-Based Measurement of Biaxial Strains of the Ascending Thoracic Aorta. <i>Biomedicines</i> , 2021, 9, 670.	1.4	7
28	Monodisperse perfluorohexane emulsions for targeted ultrasound contrast imaging. <i>Journal of Materials Chemistry</i> , 2010, 20, 3918.	6.7	6
29	Ureter Smooth Muscle Cell Orientation in Rat Is Predominantly Longitudinal. <i>PLoS ONE</i> , 2014, 9, e86207.	1.1	5
30	Reply. <i>Journal of Hypertension</i> , 2018, 36, 960-962.	0.3	5
31	Complementing sparse vascular imaging data by physiological adaptation rules. <i>Journal of Applied Physiology</i> , 2021, 130, 571-588.	1.2	0
32	Improved Quantification of Cell Density in the Arterial Wall—A Novel Nucleus Splitting Approach Applied to 3D Two-Photon Laser-Scanning Microscopy. <i>Frontiers in Physiology</i> , 2021, 12, 814434.	1.3	0