Thomas Weber

List of Publications by Citations

80 papers	10,003 citations	26 h-index	87 g-index
87 ext. papers	12,900 ext. citations	5.2 avg, IF	5.27 L-index

#	Paper	IF	Citations
80	2018 ESC/ESH Guidelines for the management of arterial hypertension. *European Heart Journal*, **2018**, 39, 3021-3104	9.5	3698
79	Expert consensus document on the measurement of aortic stiffness in daily practice using carotid-femoral pulse wave velocity. *Journal of Hypertension*, **2012**, 30, 445-8	1.9	1089
78	Arterial stiffness, wave reflections, and the risk of coronary artery disease. *Circulation*, **2004**, 109, 184-9	16.7	862
77	Recommendations for Improving and Standardizing Vascular Research on Arterial Stiffness: A Scientific Statement From the American Heart Association. *Hypertension*, **2015**, 66, 698-722	8.5	734
76	The role of vascular biomarkers for primary and secondary prevention. A position paper from the European Society of Cardiology Working Group on peripheral circulation: Endorsed by the Association for Research into Arterial Structure and Physiology (ARTERY) Society. *Atherosclerosis*,	3.1	420
75	Catheter-based renal denervation in patients with uncontrolled hypertension in the absence of antihypertensive medications (SPYRAL HTN-OFF MED): a randomised, sham-controlled, proof-of-concept trial. *Lancet, The*, **2017**, 390, 2160-2170	40	406
74	Effect of renal denervation on blood pressure in the presence of antihypertensive drugs: 6-month efficacy and safety results from the SPYRAL HTN-ON MED proof-of-concept randomised trial. *Lancet, The*, **2018**, 391, 2346-2355	40	358
73	Validation of a brachial cuff-based method for estimating central systolic blood pressure. *Hypertension*, **2011**, 58, 825-32	8.5	295
72	Increased arterial wave reflections predict severe cardiovascular events in patients undergoing percutaneous coronary interventions. *European Heart Journal*, **2005**, 26, 2657-63	9.5	255
71	Noninvasive determination of carotid-femoral pulse wave velocity depends critically on assessment of travel distance: a comparison with invasive measurement. *Journal of Hypertension*, **2009**, 27, 1624-30	1.9	191
70	Efficacy of catheter-based renal denervation in the absence of antihypertensive medications (SPYRAL HTN-OFF MED Pivotal): a multicentre, randomised, sham-controlled trial. *Lancet, The*, **2020** , 395, 1444-1451	40	166
69	Wave reflections, assessed with a novel method for pulse wave separation, are associated with end-organ damage and clinical outcomes. *Hypertension*, **2012**, 60, 534-41	8.5	148
68	Arterial stiffness and arterial wave reflections are associated with systolic and diastolic function in patients with normal ejection fraction. *American Journal of Hypertension*, **2008**, 21, 1194-202	2.3	143
67	Validation of non-invasive central blood pressure devices: ARTERY Society task force consensus statement on protocol standardization. *European Heart Journal*, **2017**, 38, 2805-2812	9.5	126
66	Accuracy of Cuff-Measured Blood Pressure: Systematic Reviews and Meta-Analyses. *Journal of the American College of Cardiology*, **2017**, 70, 572-586	15.1	109
65	Pulsatile hemodynamics in patients with exertional dyspnea: potentially of value in the diagnostic evaluation of suspected heart failure with preserved ejection fraction. *Journal of the American College of Cardiology*, **2013**, 61, 1874-83	15.1	84
64	Pulse waveform characteristics predict cardiovascular events and mortality in patients undergoing coronary angiography. *Journal of Hypertension*, **2010**, 28, 797-805	1.9	84

63	Accuracy of commercial devices and methods for noninvasive estimation of aortic systolic blood pressure a systematic review and meta-analysis of invasive validation studies. *Journal of Hypertension*, **2016**, 34, 1237-48	1.9	81
62	Arterial stiffness, central blood pressures, and wave reflections in cardiomyopathy-implications for risk stratification. *Journal of Cardiac Failure*, **2007**, 13, 353-9	3.3	70
61	Wave reflection quantification based on pressure waveforms alone--methods, comparison, and clinical covariates. *Computer Methods and Programs in Biomedicine*, **2013**, 109, 250-9	6.9	66
60	Noninvasive methods to assess pulse wave velocity: comparison with the invasive gold standard and relationship with organ damage. *Journal of Hypertension*, **2015**, 33, 1023-31	1.9	65
59	Reservoir and excess pressures predict cardiovascular events in high-risk patients. *International Journal of Cardiology*, **2014**, 171, 31-6	3.2	63
58	Pulsatile arterial haemodynamics in heart failure. *European Heart Journal*, **2018**, 39, 3847-3854	9.5	62
57	Pheochromocytoma crisis presenting with shock and tako-tsubo-like cardiomyopathy. *International Journal of Cardiology*, **2009**, 134, e138-40	3.2	38
56	Relationship Between 24-Hour Ambulatory Central Systolic Blood Pressure and Left Ventricular Mass: A Prospective Multicenter Study. *Hypertension*, **2017**, 70, 1157-1164	8.5	37
55	Arterial wave reflections and determinants of endothelial function a hypothesis based on peripheral mode of action. *American Journal of Hypertension*, **2007**, 20, 256-62	2.3	30
54	Changes in Plasma Renin Activity After Renal Artery Sympathetic Denervation. *Journal of the American College of Cardiology*, **2021**, 77, 2909-2919	15.1	21
53	Non-invasive wave reflection quantification in patients with reduced ejection fraction. *Physiological Measurement*, **2015**, 36, 179-90	2.9	19
52	Association of increased arterial wave reflections with decline in renal function in chronic kidney disease stages 3 and 4. *American Journal of Hypertension*, **2011**, 24, 762-9	2.3	19
51	Lifestyle, psychological, socioeconomic and environmental factors and their impact on hypertension during the coronavirus disease 2019 pandemic. *Journal of Hypertension*, **2021**, 39, 1077-1089	1.9	19
50	Hypertension and coronary artery disease: epidemiology, physiology, effects of treatment, and recommendations : A joint scientific statement from the Austrian Society of Cardiology and the Austrian Society of Hypertension. *Wiener Klinische Wochenschrift*, **2016**, 128, 467-79	2.3	16
49	Assessment of Model Based (Input) Impedance, Pulse Wave Velocity, and Wave Reflection in the Asklepios Cohort. *PLoS ONE*, **2015**, 10, e0141656	3.7	16
48	Influence of Age on Upper Arm Cuff Blood Pressure Measurement. *Hypertension*, **2020**, 75, 844-850	8.5	15
47	Determinants and covariates of central pressures and wave reflections in systolic heart failure. *International Journal of Cardiology*, **2015**, 190, 308-14	3.2	13
46	Diagnosis and treatment of cardiac amyloidosis: an interdisciplinary consensus statement. *Wiener Klinische Wochenschrift*, **2020**, 132, 742-761	2.3	13

45	Wave intensity of aortic root pressure as diagnostic marker of left ventricular systolic dysfunction. *PLoS ONE*, **2017**, 12, e0179938	3.7	12
44	U-shaped relationship of left ventricular ejection time index and all-cause mortality. *American Journal of Hypertension*, **2014**, 27, 702-9	2.3	12
43	Aortic systolic pressure derived with different calibration methods: associations to brachial systolic pressure in the general population. *Blood Pressure Monitoring*, **2018**, 23, 134-140	1.3	11
42	Aortic Pulse Wave Velocity Predicts Cardiovascular Events and Mortality in Patients Undergoing Coronary Angiography: A Comparison of Invasive Measurements and Noninvasive Estimates. *Hypertension*, **2021**, 77, 571-581	8.5	11
41	Covid-19 Effects on ARTErial StIffness and Vascular AgeiNg: CARTESIAN Study Rationale and Protocol.. *Artery Research*, **2020**, 27, 59	2.2	9
40	J-curves in hypertension: what do they tell us about treatment of high blood pressure?. *European Heart Journal*, **2018**, 39, 3115-3118	9.5	9
39	Determination of travel distance for noninvasive measurement of pulse wave velocity: case closed?. *Hypertension*, **2009**, 54, e137	8.5	8
38	Systolic blood pressure amplification and waveform calibration. *Hypertension Research*, **2017**, 40, 518	4.7	7
37	Systolic and diastolic function as related to arterial stiffness. *Artery Research*, **2010**, 4, 122	2.2	7
36	Aortic Ambulatory Blood Pressure Monitoring and Target Organ Damage: Are the Data Really Conflicting?. *American Journal of Hypertension*, **2018**, 31, 1260-1262	2.3	6
35	Reference values for central blood pressure. *Journal of the American College of Cardiology*, **2014**, 63, 2299	15.1	5
34	Travel distance estimation for carotid femoral pulse wave velocity: is the gold standard a real one ?. *Journal of Hypertension*, **2011**, 29, 2491; author reply 2491-3	1.9	5
33	Cross-sectional analysis of pulsatile hemodynamics across the adult life span: reference values, healthy and early vascular aging: the Heinz Nixdorf Recall and the MultiGeneration Study. *Journal of Hypertension*, **2019**, 37, 2404-2413	1.9	5
32	High prevalence of hypertension and early vascular aging: a screening program in pharmacies in Upper Austria. *Journal of Human Hypertension*, **2020**, 34, 326-334	2.6	5
31	Austrian Lipid Consensus on the management of metabolic lipid disorders to prevent vascular complications: A joint position statement issued by eight medical societies. 2016 update. *Wiener Klinische Wochenschrift*, **2016**, 128 Suppl 2, S216-28	2.3	4
30	Aortic stiffness in hypertrophic cardiomyopathy. *Journal of the American College of Cardiology*, **2010**, 55, 504-5	15.1	4
29	Blood pressure changes after renal denervation are more pronounced in women and nondiabetic patients: findings from the Austrian Transcatheter Renal Denervation Registry. *Journal of Hypertension*, **2019**, 37, 2290-2297	1.9	4
28	Ambulatory cardiac rehabilitation improves pulsatile arterial hemodynamics: a pilot trial. *Wiener Medizinische Wochenschrift*, **2014**, 164, 220-7	2.9	3

27	Changes in Central Hemodynamics, Wave Reflection, and Heart Vessel Coupling with Normal and Accelerated Aging **2015**, 83-95		3
26	Relationship between 24 h ambulatory central blood pressure and left ventricular mass Rationale and design of a prospective multicenter study. *Artery Research*, **2012**, 6, 103	2.2	3
25	The Role of Arterial Stiffness and Central Hemodynamics in Heart Failure. *International Journal of Heart Failure*, **2020**, 2, 209	1.3	3
24	Reply. *Journal of Hypertension*, **2017**, 35, 894-896	1.9	2
23	Wave reflection in acute ischemic stroke. *American Journal of Hypertension*, **2010**, 23, 704	2.3	2
22	Twenty-Four-Hour Central (Aortic) Systolic Blood Pressure: Reference Values and Dipping Patterns in Untreated Individuals. *Hypertension*, **2022**, 79, 251-260	8.5	2
21	Pulsatile and steady-state 24-hour hemodynamics in adolescents and young adults: The next steps ahead. *Journal of Clinical Hypertension*, **2020**, 22, 1797-1799	2.3	2
20	Catecholamine crisis presenting as takotsubo cardiomyopathy caused by a 30-year old Benign thoracic tumour. *European Heart Journal*, **2017**, 38, 3538	9.5	1
19	May Measurement Month 2017: an analysis of blood pressure screening results in Austria-Europe. *European Heart Journal Supplements*, **2019**, 21, D17-D20	1.5	1
18	Assessing blood pressure and arterial aging in pharmacies-New hope for blood pressure control in the community?. *Journal of Clinical Hypertension*, **2019**, 21, 822-824	2.3	1
17	Pulsatile Hemodynamics Are Associated With Exercise Capacity in Patients With Exertional Dyspnea and Preserved Left Ventricular Ejection Fraction. *American Journal of Hypertension*, **2018**, 31, 574-581	2.3	1
16	Arterial Stiffness, Wave Reflection, Wave Amplification: Basic Concepts, Principles of Measurement and Analysis in Humans **2014**, 3-13		1
15	Measurement of aortofemoral volume wave velocity during the routine 12-channel ECG: relation to age, physiological hemoglobin A 1C, triglycerides and SBP in healthy individuals. *Journal of Hypertension*, **2020**, 38, 1989-1999	1.9	1
14	Apples to oranges and Less is more *Journal of Hypertension*, **2021**, 39, 1262-1264	1.9	1
13	Pulsatile Hemodynamics and Coronary Artery Disease. *Korean Circulation Journal*, **2021**, 51, 881-898	2.2	1
12	Identifying Isolated Systolic Hypertension From Upper-Arm Cuff Blood Pressure Compared With Invasive Measurements. *Hypertension*, **2021**, 77, 632-639	8.5	1
11	Covid-19 associated reduction in hypertension-related diagnostic and therapeutic procedures in Excellence Centers of the European Society of Hypertension.. *Blood Pressure*, **2022**, 31, 71-79	1.7	1
10	Twenty-Four-Hour Pulsatile Hemodynamics Predict Brachial Blood Pressure Response to Renal Denervation in the SPYRAL HTN-OFF MED Trial.. *Hypertension*, **2022**, 101161HYPERTENSIONAHA12118641	8.5	1

9	Method Comparison and Validation of the Determination of Ejection Duration from Oscillometric Measurements. *IFAC-PapersOnLine*, **2018**, 51, 343-348	0.7	0
8	Nitrites/Nitrates in Heart Failure With Preserved Ejection Fraction. *Journal of the American College of Cardiology*, **2016**, 67, 1382-3	15.1	
7	Correspondence regarding: Distinct effects of losartan and atenolol on vascular stiffness in Marfan syndrome by Bhatt et al. *Vascular Medicine*, **2016**, 21, 70	3.3	
6	Invasive validation of the N-point moving average method. *Journal of the American College of Cardiology*, **2011**, 58, 1731; author reply 1731-2	15.1	
5	Measurement of arterial stiffness and wave reflections: does body position matter?. *Hypertension Research*, **2011**, 34, 164-5	4.7	
4	Diurnal and Pulsatile Hemodynamics in Individuals with Prehypertension. *Updates in Hypertension and Cardiovascular Protection*, **2019**, 137-147	0.1	
3	Arterial Stiffness, Central Blood Pressure and Coronary Heart Disease **2014**, 363-374		
2	Which Mechanisms Determine Blood Pressure?. *Journal of Clinical Hypertension*, **2016**, 18, 1228-1229	2.3	
1	Ambulatory measurement of pulsatile hemodynamics **2022**, 125-135		