

# Siegfried Wassertheurer

## List of Publications by Year in descending order

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Version: 2024-02-01

83  
papers

2,887  
citations

293460

24  
h-index

198040

52  
g-index

84  
all docs

84  
docs citations

84  
times ranked

3334  
citing authors

#	ARTICLE	IF	CITATIONS
1	Twenty-Four-Hour Central (Aortic) Systolic Blood Pressure: Reference Values and Dipping Patterns in Untreated Individuals. <i>Hypertension</i> , 2022, 79, 251-260.	1.3	13
2	Feasibility of Dialysate Bolus-Based Absolute Blood Volume Estimation in Maintenance Hemodialysis Patients. <i>Frontiers in Medicine</i> , 2022, 9, 801089.	1.2	3
3	Ambulatory measurement of pulsatile hemodynamics. , 2022, , 125-135.		0
4	Attractor Reconstruction for Quantifying the Arterial Pulse Wave Morphology During Device-Guided Slow Breathing. <i>Cardiovascular Engineering and Technology</i> , 2022, 13, 939-949.	0.7	2
5	Twenty-Four-Hour Pulsatile Hemodynamics Predict Brachial Blood Pressure Response to Renal Denervation in the SPYRAL HTN-OFF MED Trial. <i>Hypertension</i> , 2022, 79, 1506-1514.	1.3	10
6	Aortic Pulse Wave Velocity Predicts Cardiovascular Events and Mortality in Patients Undergoing Coronary Angiography. <i>Hypertension</i> , 2021, 77, 571-581.	1.3	49
7	Limited Effect of 60-Days Strict Head Down Tilt Bed Rest on Vascular Aging. <i>Frontiers in Physiology</i> , 2021, 12, 685473.	1.3	14
8	“Apples to oranges”™ and “Less is more”™. <i>Journal of Hypertension</i> , 2021, 39, 1262-1264.	0.3	1
9	OUP accepted manuscript. <i>American Journal of Hypertension</i> , 2021, , .	1.0	2
10	U-Shaped Association of the Heart Rate Variability Triangular Index and Mortality in Hemodialysis Patients With Atrial Fibrillation. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 751052.	1.1	1
11	A comparison between left ventricular ejection time measurement methods during physiological changes induced by simulated microgravity. <i>Experimental Physiology</i> , 2021, , .	0.9	2
12	Determinants of Increased Central Excess Pressure in Dialysis: Role of Dialysis Modality and Arteriovenous Fistula. <i>American Journal of Hypertension</i> , 2020, 33, 137-145.	1.0	2
13	High prevalence of hypertension and early vascular aging: a screening program in pharmacies in Upper Austria. <i>Journal of Human Hypertension</i> , 2020, 34, 326-334.	1.0	12
14	Simulating re-reflections of arterial pressure waves at the aortic valve using difference equations. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2020, 234, 1243-1252.	1.0	5
15	Heart Failure and Atrial Fibrillation Modify the Associations of Nocturnal Blood Pressure Dipping Pattern With Mortality in Hemodialysis Patients. <i>Hypertension</i> , 2020, 76, 1231-1239.	1.3	3
16	Pulsatile and steady-state 24-hour hemodynamics in adolescents and young adults: The next steps ahead. <i>Journal of Clinical Hypertension</i> , 2020, 22, 1797-1799.	1.0	2
17	Cardiovascular Mortality Can Be Predicted by Heart Rate Turbulence in Hemodialysis Patients. <i>Frontiers in Physiology</i> , 2020, 11, 77.	1.3	11
18	Non-invasive quantification of the effect of device-guided slow breathing with direct feedback to the patient to reduce blood pressure. <i>Physiological Measurement</i> , 2020, 41, 104002.	1.2	8

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19	Identification of Distinct Arterial Waveform Clusters and a Longitudinal Evaluation of Their Clinical Usefulness. <i>Hypertension</i> , 2019, 74, 921-928.	1.3	7
20	Prognostic Value of Carotid and Radial Artery Reservoirâ€Wave Parameters in Endâ€Stage Renal Disease. <i>Journal of the American Heart Association</i> , 2019, 8, e012314.	1.6	11
21	Unveiling the Vascular Mechanisms Behind Longâ€Term Effects of Coarctation Treatment Using Pulse Wave Dynamics. <i>Journal of the American Heart Association</i> , 2019, 8, e012278.	1.6	5
22	Comparison of 24-hour and Office Pulse Wave Velocity for Prediction of Mortality in Hemodialysis Patients. <i>American Journal of Nephrology</i> , 2019, 49, 317-327.	1.4	24
23	Impaired Retinal Vessel Dilation Predicts Mortality in End-Stage Renal Disease. <i>Circulation Research</i> , 2019, 124, 1796-1807.	2.0	44
24	Cross-sectional analysis of pulsatile hemodynamics across the adult life span. <i>Journal of Hypertension</i> , 2019, 37, 2404-2413.	0.3	13
25	Weak within-individual association of blood pressure and pulse wave velocity in hemodialysis is related to adverse outcomes. <i>Journal of Hypertension</i> , 2019, 37, 2200-2208.	0.3	10
26	Aortic systolic pressure derived with different calibration methods. <i>Blood Pressure Monitoring</i> , 2018, 23, 134-140.	0.4	22
27	Pulsatile Hemodynamics Are Associated With Exercise Capacity in Patients With Exertional Dyspnea and Preserved Left Ventricular Ejection Fraction. <i>American Journal of Hypertension</i> , 2018, 31, 574-581.	1.0	1
28	Method Comparison and Validation of the Determination of Ejection Duration from Oscillometric Measurements. <i>IFAC-PapersOnLine</i> , 2018, 51, 343-348.	0.5	3
29	Association of Ambulatory Blood Pressure with All-Cause and Cardiovascular Mortality in Hemodialysis Patients: Effects of Heart Failure and Atrial Fibrillation. <i>Journal of the American Society of Nephrology: JASN</i> , 2018, 29, 2409-2417.	3.0	24
30	Acetate-free, citrate-acidified bicarbonate dialysis improves serum calcification propensityâ€”a preliminary study. <i>Nephrology Dialysis Transplantation</i> , 2018, 33, 2043-2051.	0.4	28
31	Systolic blood pressure amplification and waveform calibration. <i>Hypertension Research</i> , 2017, 40, 518-518.	1.5	7
32	Aortic Waveform Analysis to Individualize Treatment in Heart Failure. <i>Circulation: Heart Failure</i> , 2017, 10, .	1.6	23
33	Validation of non-invasive central blood pressure devices: ARTERY Society task force consensus statement on protocol standardization. <i>European Heart Journal</i> , 2017, 38, 2805-2812.	1.0	175
34	Pulse wave velocity is associated with cognitive impairment in hemodialysis patients. <i>Clinical Science</i> , 2017, 131, 1483-1493.	1.8	11
35	Does the Treatment of Obstructive Sleep Apnea and Obesity Improve Pulsatile Hemodynamics?. <i>Hypertension</i> , 2017, 70, 1074-1075.	1.3	0
36	Effect of Monthly, Highâ€Dose, Longâ€Term Vitamin D Supplementation on Central Blood Pressure Parameters: A Randomized Controlled Trial Substudy. <i>Journal of the American Heart Association</i> , 2017, 6, .	1.6	63

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37	Computational assessment of model-based wave separation using a database of virtual subjects. <i>Journal of Biomechanics</i> , 2017, 64, 26-31.	0.9	5
38	Worsening calcification propensity precedes all-cause and cardiovascular mortality in haemodialyzed patients. <i>Scientific Reports</i> , 2017, 7, 13368.	1.6	40
39	Relationship Between 24-Hour Ambulatory Central Systolic Blood Pressure and Left Ventricular Mass. <i>Hypertension</i> , 2017, 70, 1157-1164.	1.3	52
40	Pulse Waveform Analysis: Is It Ready for Prime Time?. <i>Current Hypertension Reports</i> , 2017, 19, 73.	1.5	26
41	Validation of non-invasive central blood pressure devices: Artery society task force (abridged) consensus statement on protocol standardization. <i>Artery Research</i> , 2017, 20, 35.	0.3	7
42	Reply. <i>Journal of Hypertension</i> , 2017, 35, 894-896.	0.3	2
43	Long-term monitoring of cardiorespiratory patterns in drug-resistant epilepsy. <i>Epilepsia</i> , 2017, 58, 77-84.	2.6	43
44	P122 CALCULATING RESERVOIR PRESSURE WITH OR WITHOUT FLOW INFORMATION: SIMILARITY AND ALGORITHMIC SENSITIVITY AT RADIAL ARTERY. <i>Artery Research</i> , 2017, 20, 78.	0.3	0
45	Challenging Recently Published Parameter Sets for Entropy Measures in Risk Prediction for End-Stage Renal Disease Patients. <i>Entropy</i> , 2017, 19, 582.	1.1	2
46	Wave intensity of aortic root pressure as diagnostic marker of left ventricular systolic dysfunction. <i>PLoS ONE</i> , 2017, 12, e0179938.	1.1	19
47	The Effect of Threshold Values and Weighting Factors on the Association between Entropy Measures and Mortality after Myocardial Infarction in the Cardiac Arrhythmia Suppression Trial (CAST). <i>Entropy</i> , 2016, 18, 129.	1.1	18
48	Accuracy of commercial devices and methods for noninvasive estimation of aortic systolic blood pressure a systematic review and meta-analysis of invasive validation studies. <i>Journal of Hypertension</i> , 2016, 34, 1237-1248.	0.3	112
49	Which Mechanisms Determine Blood Pressure?. <i>Journal of Clinical Hypertension</i> , 2016, 18, 1228-1229.	1.0	0
50	Rationale and study design of the prospective, longitudinal, observational cohort study "Risk stratification in end-stage renal disease" (ISAR) study. <i>BMC Nephrology</i> , 2016, 17, 161.	0.8	21
51	Different associations between beta-blockers and other antihypertensive medication combinations with brachial blood pressure and aortic waveform parameters. <i>International Journal of Cardiology</i> , 2016, 219, 257-263.	0.8	10
52	Ambulatory (24h) blood pressure and arterial stiffness measurement in Marfan syndrome patients: a case control feasibility and pilot study. <i>BMC Cardiovascular Disorders</i> , 2016, 16, 81.	0.7	4
53	Nitrites/Nitrates in Heart Failure With Preserved Ejection Fraction. <i>Journal of the American College of Cardiology</i> , 2016, 67, 1382-1383.	1.2	0
54	Associations of Novel and Traditional Vascular Biomarkers of Arterial Stiffness: Results of the SAPALDIA 3 Cohort Study. <i>PLoS ONE</i> , 2016, 11, e0163844.	1.1	8

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55	Influence of an Asymptotic Pressure Level on the Windkessel Models of the Arterial System. IFAC-PapersOnLine, 2015, 48, 17-22.	0.5	10
56	Increased nocturnal heart rate and wave reflection are early markers of cardiovascular disease in Williams'Beuren syndrome children. Journal of Hypertension, 2015, 33, 804-809.	0.3	12
57	Noninvasive methods to assess pulse wave velocity. Journal of Hypertension, 2015, 33, 1023-1031.	0.3	91
58	Assessment of systolic aortic pressure and its association to all cause mortality critically depends on waveform calibration. Journal of Hypertension, 2015, 33, 1884-1889.	0.3	55
59	Feasibility of oscillometric aortic pressure and stiffness assessment using the VaSera VS-1500. Blood Pressure Monitoring, 2015, 20, 273-279.	0.4	8
60	Assessment of Model Based (Input) Impedance, Pulse Wave Velocity, and Wave Reflection in the Asklepios Cohort. PLoS ONE, 2015, 10, e0141656.	1.1	22
61	Non-invasive wave reflection quantification in patients with reduced ejection fraction. Physiological Measurement, 2015, 36, 179-190.	1.2	23
62	Pulse wave intensity and ECG: A multisensor approach for the risk assessment in systolic heart failure. , 2015, , .		0
63	Determinants and covariates of central pressures and wave reflections in systolic heart failure. International Journal of Cardiology, 2015, 190, 308-314.	0.8	18
64	Pressure-independent relationship of aortic characteristic impedance with left ventricular mass and geometry in untreated hypertension. Journal of Hypertension, 2015, 33, 153-160.	0.3	16
65	Nonlinear Methods in Heart Rate Variability: Can they Distinguish between Nonpathological and Pathological Subjects?. SNE Simulation Notes Europe, 2015, 25, .	0.2	2
66	Moving On'On Average in the Right Direction?. Hypertension, 2014, 63, 665-667.	1.3	17
67	Aortic to Brachial Pulse Pressure Amplification as Functional Marker and Predictor of Renal Function Loss in Chronic Kidney Disease. Journal of Clinical Hypertension, 2014, 16, 401-405.	1.0	13
68	Performance of pulse wave velocity measured using a brachial cuff in a community setting. Blood Pressure Monitoring, 2014, 19, 315-319.	0.4	29
69	Reservoir and excess pressures predict cardiovascular events in high-risk patients. International Journal of Cardiology, 2014, 171, 31-36.	0.8	72
70	Reference Values for Central Blood Pressure. Journal of the American College of Cardiology, 2014, 63, 2299.	1.2	5
71	Aortic pulse wave velocity predicts mortality in chronic kidney disease stages 2-4. Journal of Hypertension, 2014, 32, 899-903.	0.3	86
72	Selection of entropy-measure parameters for knowledge discovery in heart rate variability data. BMC Bioinformatics, 2014, 15, S2.	1.2	70

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73	Pulsatile Hemodynamics in Patients With Exertional Dyspnea. <i>Journal of the American College of Cardiology</i> , 2013, 61, 1874-1883.	1.2	104
74	Wave reflection quantification based on pressure waveforms alone—Methods, comparison, and clinical covariates. <i>Computer Methods and Programs in Biomedicine</i> , 2013, 109, 250-259.	2.6	97
75	Central hemodynamics and arterial stiffness during the finals of the world cup soccer championship 2010. <i>International Journal of Cardiology</i> , 2013, 166, 627-632.	0.8	12
76	Oscillometric estimation of aortic pulse wave velocity. <i>Blood Pressure Monitoring</i> , 2013, 18, 173-176.	0.4	235
77	Online and Offline Determination of QT and PR Interval and QRS Duration in Electrocardiography. <i>Lecture Notes in Computer Science</i> , 2013, , 1-15.	1.0	13
78	Wave Reflections, Assessed With a Novel Method for Pulse Wave Separation, Are Associated With End-Organ Damage and Clinical Outcomes. <i>Hypertension</i> , 2012, 60, 534-541.	1.3	175
79	Relationship between 24 h ambulatory central blood pressure and left ventricular mass — Rationale and design of a prospective multicenter study. <i>Artery Research</i> , 2012, 6, 103.	0.3	4
80	Assessment of central haemodynamics from a brachial cuff in a community setting. <i>BMC Cardiovascular Disorders</i> , 2012, 12, 48.	0.7	46
81	Validation of a Brachial Cuff-Based Method for Estimating Central Systolic Blood Pressure. <i>Hypertension</i> , 2011, 58, 825-832.	1.3	380
82	Noninvasive determination of carotid—femoral pulse wave velocity depends critically on assessment of travel distance: a comparison with invasive measurement. <i>Journal of Hypertension</i> , 2009, 27, 1624-1630.	0.3	219
83	Modeling arterial and left ventricular coupling for non-invasive measurements. <i>Simulation Modelling Practice and Theory</i> , 2008, 16, 988-997.	2.2	73