

Christian Heiss

List of Publications by Year in descending order

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Version: 2024-02-01

134
papers

8,840
citations

41258

49
h-index

43802

91
g-index

147
all docs

147
docs citations

147
times ranked

9537
citing authors

#	ARTICLE	IF	CITATIONS
1	Flow-mediated dilation reference values for evaluation of endothelial function and cardiovascular health. <i>Cardiovascular Research</i> , 2023, 119, 283-293.	1.8	21
2	Metabotypes of flavan-3-ol colonic metabolites after cranberry intake: elucidation and statistical approaches. <i>European Journal of Nutrition</i> , 2022, 61, 1299-1317.	1.8	16
3	Flavanol Consumption in Healthy Men Preserves Integrity of Immunological Endothelial Barrier Cell Functions: Nutri(epi)genomic Analysis. <i>Molecular Nutrition and Food Research</i> , 2022, 66, e2100991.	1.5	14
4	Daily consumption of cranberry improves endothelial function in healthy adults: a double blind randomized controlled trial. <i>Food and Function</i> , 2022, 13, 3812-3824.	2.1	18
5	Remote Ischaemic Preconditioning in Intra-Abdominal Cancer Surgery (RIPC _a): A Pilot Randomised Controlled Trial. <i>Journal of Clinical Medicine</i> , 2022, 11, 1770.	1.0	1
6	Management of chronic peripheral artery disease patients with indication for endovascular revascularization. <i>Vasa - European Journal of Vascular Medicine</i> , 2022, 51, 121-137.	0.6	17
7	Adherence to General Diabetes and Foot Care Processes, with Prompt Referral, Are Associated with Amputation-Free Survival in People with Type 2 Diabetes and Foot Ulcers: A Scottish National Registry Analysis. <i>Journal of Diabetes Research</i> , 2022, 2022, 1-13.	1.0	2
8	Impact of high on-treatment platelet reactivity after angioplasty in patients with peripheral arterial disease. <i>Platelets</i> , 2021, 32, 391-397.	1.1	10
9	Endothelial protective effects of a G-protein-biased sphingosine-1 phosphate receptor agonist, SAR247799, in type 2 diabetes rats and a randomized placebo-controlled patient trial. <i>British Journal of Clinical Pharmacology</i> , 2021, 87, 2303-2320.	1.1	11
10	Endothelial Integrin-Mediated Adaptation to Myocardial Ischemia. <i>Thrombosis and Haemostasis</i> , 2021, 121, 741-754.	1.8	10
11	Experimental Evidence that (â)-Epicatechin and Anthocyanins Modulate Glucagon-Like Peptide-1 Metabolism: Relevant For Humans?. <i>Journal of Nutrition</i> , 2021, 151, 1365-1366.	1.3	1
12	Progress in aorta and peripheral cardiovascular disease research. <i>Cardiovascular Research</i> , 2021, 117, 2045-2053.	1.8	3
13	Low carotid intima media thickness excludes lower limb peripheral artery disease. <i>Vasa - European Journal of Vascular Medicine</i> , 2021, 50, 317-318.	0.6	0
14	Angioplasty of Flow-Limiting Stenosis Reduces Aortic and Brachial Blood Pressure in Patients With Peripheral Artery Disease. <i>Journal of the American Heart Association</i> , 2021, 10, e019724.	1.6	4
15	OCTAVA: An open-source toolbox for quantitative analysis of optical coherence tomography angiography images. <i>PLoS ONE</i> , 2021, 16, e0261052.	1.1	12
16	Cocoa Flavanols Improve Endothelial Functional Integrity in Healthy Young and Elderly Subjects. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 1871-1876.	2.4	15
17	The year in cardiology: aorta and peripheral circulation. <i>European Heart Journal</i> , 2020, 41, 501-508b.	1.0	7
18	The contribution of diabetic micro-angiopathy to adverse outcomes in COVID-19. <i>Diabetes Research and Clinical Practice</i> , 2020, 164, 108217.	1.1	24

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37	Blue light exposure decreases systolic blood pressure, arterial stiffness, and improves endothelial function in humans. <i>European Journal of Preventive Cardiology</i> , 2018, 25, 1875-1883.	0.8	38
38	Plasma urolithin metabolites correlate with improvements in endothelial function after red raspberry consumption: A double-blind randomized controlled trial. <i>Archives of Biochemistry and Biophysics</i> , 2018, 651, 43-51.	1.4	55
39	Endothelial microparticles and vascular parameters in subjects with and without arterial hypertension and coronary artery disease. <i>Data in Brief</i> , 2018, 19, 495-500.	0.5	18
40	Oxygen dependence of endothelium-dependent vasodilation: importance in chronic obstructive pulmonary disease. <i>Archives of Medical Science</i> , 2018, 14, 297-306.	0.4	7
41	Introduction to special issue on Polyphenols and Health. <i>Archives of Biochemistry and Biophysics</i> , 2018, 652, 1-2.	1.4	1
42	Stent fractures after common femoral artery bail-out stenting due to suture device failure in TAVR. <i>Vasa - European Journal of Vascular Medicine</i> , 2018, 47, 393-401.	0.6	5
43	Methylxanthines enhance the effects of cocoa flavanols on cardiovascular function: randomized, double-masked controlled studies. <i>American Journal of Clinical Nutrition</i> , 2017, 105, 352-360.	2.2	86
44	NMDAR antagonists for the treatment of diabetes mellitusâ€”Current status and future directions. <i>Diabetes, Obesity and Metabolism</i> , 2017, 19, 95-106.	2.2	22
45	Identification of differentially methylated BRCA1 and CRISP2 DNA regions as blood surrogate markers for cardiovascular disease. <i>Scientific Reports</i> , 2017, 7, 5120.	1.6	42
46	Absorption, Metabolism and Excretion of Cranberry (Poly)phenols in Humans: A Dose Response Study and Assessment of Inter-Individual Variability. <i>Nutrients</i> , 2017, 9, 268.	1.7	83
47	ESVM guidelines â€” the diagnosis and management of Raynaudâ€™s phenomenon. <i>Vasa - European Journal of Vascular Medicine</i> , 2017, 46, 413-423.	0.6	78
48	Plasma and Urinary Phenolic Profiles after Acute and Repetitive Intake of Wild Blueberry. <i>Molecules</i> , 2016, 21, 1120.	1.7	56
49	Cranberry (poly)phenol metabolites correlate with improvements in vascular function: A double-blind, randomized, controlled, dose-response, crossover study. <i>Molecular Nutrition and Food Research</i> , 2016, 60, 2130-2140.	1.5	97
50	Carbon dioxide-Aided Angiography Decreases Contrast Volume and Preserves Kidney Function in Peripheral Vascular Interventions. <i>Angiology</i> , 2016, 67, 875-881.	0.8	29
51	Carbon Dioxide Angiography Is a Standard Technique to Supplement Iodinated Contrast Angiography and Can Be a Feasible Alternative. <i>Angiology</i> , 2016, 67, 974-974.	0.8	2
52	Electronic cigarettes increase EPCs. <i>Atherosclerosis</i> , 2016, 255, 119-121.	0.4	3
53	The aryl hydrocarbon receptor promotes aging phenotypes across species. <i>Scientific Reports</i> , 2016, 6, 19618.	1.6	67
54	Overexpression of Nitric Oxide Synthase Restores Circulating Angiogenic Cell Function in Patients With Coronary Artery Disease: Implications for Autologous Cell Therapy for Myocardial Infarction. <i>Journal of the American Heart Association</i> , 2016, 5, .	1.6	11

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55	Identification and quantification of novel cranberry-derived plasma and urinary (poly)phenols. Archives of Biochemistry and Biophysics, 2016, 599, 31-41.	1.4	123
56	Vasculoprotective Effects of Dietary Cocoa Flavanols in Patients on Hemodialysis. Clinical Journal of the American Society of Nephrology: CJASN, 2016, 11, 108-118.	2.2	46
57	A systematic approach to assess locoregional differences in angiogenesis. Histochemistry and Cell Biology, 2016, 145, 213-225.	0.8	0
58	Microparticle-Induced Coagulation Relates to Coronary Artery Atherosclerosis in Severe Aortic Valve Stenosis. PLoS ONE, 2016, 11, e0151499.	1.1	12
59	Cocoa flavanol intake improves endothelial function and Framingham Risk Score in healthy men and women: a randomised, controlled, double-masked trial: the Flaviola Health Study. British Journal of Nutrition, 2015, 114, 1246-1255.	1.2	135
60	Influence of age on the absorption, metabolism, and excretion of cocoa flavanols in healthy subjects. Molecular Nutrition and Food Research, 2015, 59, 1504-1512.	1.5	49
61	Macrovascular and microvascular function after implantation of left ventricular assist devices in end-stage heart failure: Role of microparticles. Journal of Heart and Lung Transplantation, 2015, 34, 921-932.	0.3	56
62	Validation of High-Resolution Ultrasound Measurements of Intimaâ€Media Thickness of the Radial Artery for the Assessment of Structural Remodeling. Angiology, 2015, 66, 574-577.	0.8	11
63	Associations between flavan-3-ol intake and CVD risk in the Norfolk cohort of the European Prospective Investigation into Cancer (EPIC-Norfolk). Free Radical Biology and Medicine, 2015, 84, 1-10.	1.3	35
64	Flavonoid intake and cardiovascular disease risk. Current Opinion in Food Science, 2015, 2, 92-99.	4.1	40
65	Evaluation of a Structured Training Program for Arterial Femoral Sheath Removal After Percutaneous Arterial Catheter Procedures by Assistant Personnel. American Journal of Cardiology, 2015, 115, 879-883.	0.7	5
66	hCG stimulates angiogenic signals in lymphatic endothelial and circulating angiogenic cells. Journal of Reproductive Immunology, 2015, 110, 102-108.	0.8	7
67	Local Association Between Endothelial Dysfunction and Intimal Hyperplasia: Relevance in Peripheral Artery Disease. Journal of the American Heart Association, 2015, 4, .	1.6	42
68	Impact of cocoa flavanol intake on age-dependent vascular stiffness in healthy men: a randomized, controlled, double-masked trial. Age, 2015, 37, 9794.	3.0	104
69	Interactions between cocoa flavanols and inorganic nitrate: Additive effects on endothelial function at achievable dietary amounts. Free Radical Biology and Medicine, 2015, 80, 121-128.	1.3	65
70	Central Role of eNOS in the Maintenance of Endothelial Homeostasis. Antioxidants and Redox Signaling, 2015, 22, 1230-1242.	2.5	148
71	Release of Intracoronary Microparticles during Stent Implantation into Stable Atherosclerotic Lesions under Protection with an Aspiration Device. PLoS ONE, 2015, 10, e0124904.	1.1	16
72	Improved endothelial function and decreased levels of endothelium-derived microparticles after transcatheter aortic valve implantation. EuroIntervention, 2015, 10, 1456-1463.	1.4	35

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73	Dietary flavanol intervention lowers the levels of endothelial microparticles in coronary artery disease patients. <i>British Journal of Nutrition</i> , 2014, 111, 1245-1252.	1.2	50
74	Oxygen regulates human cytotrophoblast migration by controlling chemokine and receptor expression. <i>Placenta</i> , 2014, 35, 1089-1094.	0.7	15
75	Brief Exposure to Secondhand Smoke Reversibly Impairs Endothelial Vasodilatory Function. <i>Nicotine and Tobacco Research</i> , 2014, 16, 584-590.	1.4	23
76	Uptake and metabolism of (âˆ’)-epicatechin in endothelial cells. <i>Archives of Biochemistry and Biophysics</i> , 2014, 559, 17-23.	1.4	31
77	Berry (Poly)phenols and Cardiovascular Health. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 3842-3851.	2.4	146
78	Assessment of the dietary intake of total flavan-3-ols, monomeric flavan-3-ols, proanthocyanidins and theaflavins in the European Union. <i>British Journal of Nutrition</i> , 2014, 111, 1463-1473.	1.2	96
79	Interferon stimulated gene 15 expression at the human embryoâ€™ maternal interface. <i>Archives of Gynecology and Obstetrics</i> , 2014, 290, 783-789.	0.8	9
80	Measurement of Endothelium-Dependent Vasodilation in Miceâ€™ Brief Report. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014, 34, 2651-2657.	1.1	50
81	Impact of processing on the bioavailability and vascular effects of blueberry (poly)phenols. <i>Molecular Nutrition and Food Research</i> , 2014, 58, 1952-1961.	1.5	86
82	Recovery of neutrophil apoptosis by ectoine: a new strategy against lung inflammation. <i>European Respiratory Journal</i> , 2013, 41, 433-442.	3.1	53
83	Circulating Microparticles Carry a Functional Endothelial Nitric Oxide Synthase That Is Decreased in Patients With Endothelial Dysfunction. <i>Journal of the American Heart Association</i> , 2013, 2, e003764.	1.6	56
84	Intake and time dependence of blueberry flavonoidâ€™ induced improvements in vascular function: a randomized, controlled, double-blind, crossover intervention study with mechanistic insights into biological activity. <i>American Journal of Clinical Nutrition</i> , 2013, 98, 1179-1191.	2.2	277
85	Human red blood cells at work: identification and visualization of erythrocytic eNOS activity in health and disease. <i>Blood</i> , 2012, 120, 4229-4237.	0.6	151
86	Dietary Nitrate Supplementation Improves Revascularization in Chronic Ischemia. <i>Circulation</i> , 2012, 126, 1983-1992.	1.6	97
87	TNF-Î±, myocardial perfusion and function in patients with ST-segment elevation myocardial infarction and primary percutaneous coronary intervention. <i>Clinical Research in Cardiology</i> , 2012, 101, 815-827.	1.5	22
88	Interaction of Flavanol- and Nitrateâ€™ related Improvements of Endothelial Function. <i>Free Radical Biology and Medicine</i> , 2012, 53, S87.	1.3	0
89	Nonenhanced ECG-gated quiescent-interval single-shot MRA (QISS-MRA) of the lower extremities: Comparison with contrast-enhanced MRA. <i>Clinical Radiology</i> , 2012, 67, 441-446.	0.5	46
90	Dietary inorganic nitrate mobilizes circulating angiogenic cells. <i>Free Radical Biology and Medicine</i> , 2012, 52, 1767-1772.	1.3	67

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91	Pre-eclampsia is associated with elevated CXCL12 levels in placental syncytiotrophoblasts and maternal blood. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2011, 157, 32-37.	0.5	33
92	Predicting Neurally Mediated Syncope Based on Pulse Arrival Time: Algorithm Development and Preliminary Results. <i>Journal of Cardiovascular Electrophysiology</i> , 2011, 22, 1042-1048.	0.8	19
93	CXCR7 and syndecan-4 are potential receptors for CXCL12 in human cytotrophoblasts. <i>Journal of Reproductive Immunology</i> , 2011, 89, 18-25.	0.8	23
94	The stereochemical configuration of flavanols influences the level and metabolism of flavanols in humans and their biological activity in vivo. <i>Free Radical Biology and Medicine</i> , 2011, 50, 237-244.	1.3	143
95	Cardiovascular remodeling after AVF surgery in rats assessed by a clinical MRI scanner. <i>Magnetic Resonance Imaging</i> , 2011, 29, 57-63.	1.0	2
96	Impaired Red Blood Cell Deformability in Patients with Coronary Artery Disease and Diabetes Mellitus. <i>Hormone and Metabolic Research</i> , 2011, 43, 760-765.	0.7	53
97	Modulation of peripheral chemoreflex by neurohumoral adaptations after kidney transplantation. <i>European Journal of Medical Research</i> , 2010, 15, 83-7.	0.9	6
98	Characterization of the Non-Invasive Assessment of the Cutaneous Microcirculation by Laser Doppler Perfusion Scanner. <i>Microcirculation</i> , 2010, 17, no-no.	1.0	28
99	Nitric Oxide Synthase Expression and Functional Response to Nitric Oxide Are Both Important Modulators of Circulating Angiogenic Cell Response to Angiogenic Stimuli. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2010, 30, 2212-2218.	1.1	52
100	Flavanols and cardiovascular disease prevention. <i>European Heart Journal</i> , 2010, 31, 2583-2592.	1.0	167
101	Chocolate consumption, blood pressure, and cardiovascular risk. <i>European Heart Journal</i> , 2010, 31, 1554-1556.	1.0	17
102	Hemodialysis-Induced Release of Hemoglobin Limits Nitric Oxide Bioavailability and Impairs Vascular Function. <i>Journal of the American College of Cardiology</i> , 2010, 55, 454-459.	1.2	98
103	Vascular Formation of Nitrite After Exercise Is Abolished in Patients With Cardiovascular Risk Factors and Coronary Artery Disease. <i>Journal of the American College of Cardiology</i> , 2010, 55, 1502-1503.	1.2	22
104	Improvement of Endothelial Function With Dietary Flavanols Is Associated With Mobilization of Circulating Angiogenic Cells in Patients With Coronary Artery Disease. <i>Journal of the American College of Cardiology</i> , 2010, 56, 218-224.	1.2	181
105	Chronic kidney disease aggravates arteriovenous fistula damage in rats. <i>Kidney International</i> , 2010, 78, 1312-1321.	2.6	42
106	Recommending flavanols and procyanidins for cardiovascular health: Current knowledge and future needs. <i>Molecular Aspects of Medicine</i> , 2010, 31, 546-557.	2.7	107
107	Circulating Endothelial Microparticle Levels and Hemodynamic Severity of Pulmonary Hypertension: Is There a Role for Sleep Apnea?. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2009, 179, 328-329.	2.5	3
108	Functional and structural response of arterialized femoral veins in a rodent AV fistula model. <i>Nephrology Dialysis Transplantation</i> , 2009, 24, 2201-2206.	0.4	31

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109	Peripheral Arterial Function in Infants and Young Children With One-Ventricle Physiology and Hypoxemia. <i>American Journal of Cardiology</i> , 2009, 103, 862-866.	0.7	13
110	Vascular Dysfunction of Brachial Artery After Transradial Access for Coronary Catheterization. <i>JACC: Cardiovascular Interventions</i> , 2009, 2, 1067-1073.	1.1	51
111	Whole Body UVA Irradiation Lowers Systemic Blood Pressure by Release of Nitric Oxide From Intracutaneous Photolabile Nitric Oxide Derivates. <i>Circulation Research</i> , 2009, 105, 1031-1040.	2.0	135
112	Increased CD62e+ Endothelial Microparticle Levels Predict Poor Outcome in Pulmonary Hypertension Patients. <i>Journal of Heart and Lung Transplantation</i> , 2009, 28, 1081-1086.	0.3	99
113	Age-dependent endothelial dysfunction is associated with failure to increase plasma nitrite in response to exercise. <i>Basic Research in Cardiology</i> , 2008, 103, 291-297.	2.5	79
114	Impaired endothelial progenitor cell function predicts age-dependent carotid intimal thickening. <i>Basic Research in Cardiology</i> , 2008, 103, 582-586.	2.5	76
115	Pleiotrophin induces nitric oxide dependent migration of endothelial progenitor cells. <i>Journal of Cellular Physiology</i> , 2008, 215, 366-373.	2.0	35
116	Brief Secondhand Smoke Exposure Depresses Endothelial Progenitor Cells Activity and Endothelial Function. <i>Journal of the American College of Cardiology</i> , 2008, 51, 1760-1771.	1.2	263
117	Sustained Benefits in Vascular Function Through Flavanol-Containing Cocoa in Medicated Diabetic Patients. <i>Journal of the American College of Cardiology</i> , 2008, 51, 2141-2149.	1.2	306
118	In vivo measurement of flow-mediated vasodilation in living rats using high-resolution ultrasound. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008, 294, H1086-H1093.	1.5	40
119	Resting microvascular resistance and conduit artery tone: relevance to endothelium-dependent flow-mediated dilation. <i>European Journal of Cardiovascular Prevention and Rehabilitation</i> , 2008, 15, 677-682.	3.1	8
120	Circulating Endothelial Microparticle Levels Predict Hemodynamic Severity of Pulmonary Hypertension. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2008, 177, 1268-1275.	2.5	190
121	Nitric oxide synthase-derived plasma nitrite predicts exercise capacity. <i>British Journal of Sports Medicine</i> , 2007, 41, 669-673.	3.1	89
122	Sustained Increase in Flow-Mediated Dilatation After Daily Intake of High-Flavanol Cocoa Drink Over 1 Week. <i>Journal of Cardiovascular Pharmacology</i> , 2007, 49, 74-80.	0.8	184
123	"One-Stop-Shop" ultrasound diagnosis of functional, structural and physicomechanical properties of the brachial artery. <i>Vasa - European Journal of Vascular Medicine</i> , 2007, 36, 100-106.	0.6	6
124	Plasma Nitroso Compounds Are Decreased in Patients With Endothelial Dysfunction. <i>Journal of the American College of Cardiology</i> , 2006, 47, 573-579.	1.2	117
125	Endothelial Function, Nitric Oxide, and Cocoa Flavanols. <i>Journal of Cardiovascular Pharmacology</i> , 2006, 47, S128-S135.	0.8	56
126	Plasma nitrite reserve and endothelial function in the human forearm circulation. <i>Free Radical Biology and Medicine</i> , 2006, 41, 295-301.	1.3	77

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127	Flavanols and Cardiovascular Health: Effects on the circulating NO Pool in Humans. Journal of Cardiovascular Pharmacology, 2006, 47, S122-S127.	0.8	24
128	(-)-Epicatechin mediates beneficial effects of flavanol-rich cocoa on vascular function in humans. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 1024-1029.	3.3	924
129	Reduction of peripheral flow reserve impairs endothelial function in conduit arteries of patients with essential hypertension. Journal of Hypertension, 2005, 23, 563-569.	0.3	37
130	Cocoa polyphenols and inflammatory mediators. American Journal of Clinical Nutrition, 2005, 81, 304S-312S.	2.2	195
131	Impaired Progenitor Cell Activity in Age-Related Endothelial Dysfunction. Journal of the American College of Cardiology, 2005, 45, 1441-1448.	1.2	526
132	Acute Consumption of Flavanol-Rich Cocoa and the Reversal of Endothelial Dysfunction in Smokers. Journal of the American College of Cardiology, 2005, 46, 1276-1283.	1.2	317
133	Vascular Effects of Cocoa Rich in Flavan-3-ols. JAMA - Journal of the American Medical Association, 2003, 290, 1030-1031.	3.8	383
134	Automated Ultrasonic Measurement of Human Arteries for the Determination of Endothelial Function. Ultraschall in Der Medizin, 2000, 21, 195-198.	0.8	40