

# Walter S Speidl

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

97  
papers

2,381  
citations

30  
h-index

45  
g-index

117  
ext. papers

2,751  
ext. citations

5.4  
avg, IF

4.12  
L-index

#	Paper	IF	Citations
97	Simvastatin blunts endotoxin-induced tissue factor in vivo. <i>Circulation</i> , <b>2005</b> , 111, 1841-6	16.7	123
96	Early metoprolol administration before coronary reperfusion results in increased myocardial salvage: analysis of ischemic myocardium at risk using cardiac magnetic resonance. <i>Circulation</i> , <b>2007</b> , 115, 2909-16	16.7	118
95	Simvastatin suppresses endotoxin-induced upregulation of toll-like receptors 4 and 2 in vivo. <i>Atherosclerosis</i> , <b>2006</b> , 189, 408-13	3.1	115
94	Rapid change in plaque size, composition, and molecular footprint after recombinant apolipoprotein A-I Milano (ETC-216) administration: magnetic resonance imaging study in an experimental model of atherosclerosis. <i>Journal of the American College of Cardiology</i> , <b>2008</b> , 51, 1104-9	15.1	110
93	Complement component C5a predicts future cardiovascular events in patients with advanced atherosclerosis. <i>European Heart Journal</i> , <b>2005</b> , 26, 2294-9	9.5	97
92	Vascular endothelial growth factor is induced by the inflammatory cytokines interleukin-6 and oncostatin m in human adipose tissue in vitro and in murine adipose tissue in vivo. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2007</b> , 27, 1587-95	9.4	81
91	Can a commercial diagnostic ultrasound device accelerate thrombolysis? An in vitro skull model. <i>Stroke</i> , <b>2005</b> , 36, 124-8	6.7	79
90	The complement component C5a is present in human coronary lesions in vivo and induces the expression of MMP-1 and MMP-9 in human macrophages in vitro. <i>FASEB Journal</i> , <b>2011</b> , 25, 35-44	0.9	70
89	Catecholamines potentiate LPS-induced expression of MMP-1 and MMP-9 in human monocytes and in the human monocytic cell line U937: possible implications for peri-operative plaque instability. <i>FASEB Journal</i> , <b>2004</b> , 18, 603-5	0.9	60
88	Soluble ST2 and interleukin-33 levels in coronary artery disease: relation to disease activity and adverse outcome. <i>PLoS ONE</i> , <b>2014</b> , 9, e95055	3.7	56
87	The complement component C5a induces the expression of plasminogen activator inhibitor-1 in human macrophages via NF-kappaB activation. <i>Journal of Thrombosis and Haemostasis</i> , <b>2006</b> , 4, 1790-7	15.4	56
86	High-sensitivity C-reactive protein in the prediction of coronary events in patients with premature coronary artery disease. <i>American Heart Journal</i> , <b>2002</b> , 144, 449-55	4.9	52
85	Macrophages transmit potent proangiogenic effects of oxLDL in vitro and in vivo involving HIF-1 $\alpha$ activation: a novel aspect of angiogenesis in atherosclerosis. <i>Journal of Cardiovascular Translational Research</i> , <b>2013</b> , 6, 558-69	3.3	50
84	Mitochondrial DNA and Toll-Like Receptor-9 Are Associated With Mortality in Critically Ill Patients. <i>Critical Care Medicine</i> , <b>2015</b> , 43, 2633-41	1.4	47
83	Recombinant apolipoprotein A-I Milano rapidly reverses aortic valve stenosis and decreases leaflet inflammation in an experimental rabbit model. <i>European Heart Journal</i> , <b>2010</b> , 31, 2049-57	9.5	46
82	2MHz ultrasound enhances t-PA-mediated thrombolysis: comparison of continuous versus pulsed ultrasound and standing versus travelling acoustic waves. <i>Thrombosis and Haemostasis</i> , <b>2003</b> , 89, 583-589	7	44
81	Up-regulation of reverse cholesterol transport key players and rescue from global inflammation by ApoA-I(Milano). <i>Journal of Cellular and Molecular Medicine</i> , <b>2009</b> , 13, 3226-35	5.6	41

80	Chlamydia pneumoniae in carotid artery atherosclerosis: a comparison of its presence in atherosclerotic plaque, healthy vessels, and circulating leukocytes from the same individuals. <i>Stroke</i> , <b>2002</b> , 33, 2756-61	6.7	41
79	Beneficial effects of levosimendan on survival in patients undergoing extracorporeal membrane oxygenation after cardiovascular surgery. <i>British Journal of Anaesthesia</i> , <b>2016</b> , 117, 52-8	5.4	39
78	Polymorphic membrane protein (PMP) 20 and PMP 21 of Chlamydia pneumoniae induce proinflammatory mediators in human endothelial cells in vitro by activation of the nuclear factor-kappaB pathway. <i>Journal of Infectious Diseases</i> , <b>2003</b> , 188, 108-13	7	38
77	Small high-density lipoprotein is associated with monocyte subsets in stable coronary artery disease. <i>Atherosclerosis</i> , <b>2014</b> , 237, 589-96	3.1	37
76	Thrombin induces the expression of oncostatin M via AP-1 activation in human macrophages: a link between coagulation and inflammation. <i>Blood</i> , <b>2009</b> , 114, 2812-8	2.2	37
75	In human macrophages the complement component C5a induces the expression of oncostatin M via AP-1 activation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2008</b> , 28, 498-503	9.4	36
74	Premature myocardial infarction is associated with low serum levels of Wnt-1. <i>Atherosclerosis</i> , <b>2012</b> , 222, 251-6	3.1	35
73	Inflammation and coagulation in atherosclerosis. <i>Hamostaseologie</i> , <b>2013</b> , 33, 269-82	1.9	34
72	An increase of C-reactive protein is associated with enhanced activation of endogenous fibrinolysis at baseline but an impaired endothelial fibrinolytic response after venous occlusion. <i>Journal of the American College of Cardiology</i> , <b>2005</b> , 45, 30-4	15.1	34
71	Coronary late lumen loss of drug eluting stents is associated with increased serum levels of the complement components C3a and C5a. <i>Atherosclerosis</i> , <b>2010</b> , 208, 285-9	3.1	32
70	Monocyte chemoattractant protein (MCP-1) is expressed in human cardiac cells and is differentially regulated by inflammatory mediators and hypoxia. <i>FEBS Letters</i> , <b>2006</b> , 580, 3532-8	3.8	32
69	Glycoprotein 130 ligand oncostatin-M induces expression of vascular endothelial growth factor in human adult cardiac myocytes. <i>Cardiovascular Research</i> , <b>2003</b> , 59, 628-38	9.9	32
68	Increased restenosis rate after implantation of drug-eluting stents in patients with elevated serum activity of matrix metalloproteinase-2 and -9. <i>JACC: Cardiovascular Interventions</i> , <b>2010</b> , 3, 90-7	5	31
67	The gp130 ligand oncostatin M regulates tissue inhibitor of metalloproteinases-1 through ERK1/2 and p38 in human adult cardiac myocytes and in human adult cardiac fibroblasts: a possible role for the gp130/gp130 ligand system in the modulation of extracellular matrix degradation in the human heart. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2007</b> , 39, 515-24	5.8	30
66	Prostaglandin E1 induces vascular endothelial growth factor-1 in human adult cardiac myocytes but not in human adult cardiac fibroblasts via a cAMP-dependent mechanism. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2004</b> , 36, 539-46	5.8	27
65	Monocyte subset distribution in patients with stable atherosclerosis and elevated levels of lipoprotein(a). <i>Journal of Clinical Lipidology</i> , <b>2015</b> , 9, 533-41	4.9	26
64	Association of small dense LDL serum levels and circulating monocyte subsets in stable coronary artery disease. <i>PLoS ONE</i> , <b>2015</b> , 10, e0123367	3.7	25
63	Premature myocardial infarction is strongly associated with increased levels of remnant cholesterol. <i>Journal of Clinical Lipidology</i> , <b>2015</b> , 9, 801-806.e1	4.9	24

62	Plasminogen activator inhibitor-1 predicts coronary in-stent restenosis of drug-eluting stents. <i>Journal of Thrombosis and Haemostasis</i> , <b>2008</b> , 6, 508-13	15.4	23
61	Human cardiac fibroblasts express B-type natriuretic peptide: fluvastatin ameliorates its up-regulation by interleukin-1alpha, tumour necrosis factor-alpha and transforming growth factor-beta. <i>Journal of Cellular and Molecular Medicine</i> , <b>2009</b> , 13, 4415-21	5.6	22
60	An increase of interleukin-33 serum levels after coronary stent implantation is associated with coronary in-stent restenosis. <i>Cytokine</i> , <b>2014</b> , 67, 65-70	4	21
59	Levosimendan exerts anti-inflammatory effects on cardiac myocytes and endothelial cells in vitro. <i>Thrombosis and Haemostasis</i> , <b>2015</b> , 113, 350-62	7	21
58	Complement component C5a predicts restenosis after superficial femoral artery balloon angioplasty. <i>Journal of Endovascular Therapy</i> , <b>2007</b> , 14, 62-9	2.5	20
57	Clopidogrel in Critically Ill Patients. <i>Clinical Pharmacology and Therapeutics</i> , <b>2018</b> , 103, 217-223	6.1	19
56	Polymorphism of the complement 5 gene and cardiovascular outcome in patients with atherosclerosis. <i>European Journal of Clinical Investigation</i> , <b>2012</b> , 42, 921-6	4.6	19
55	Neutrophil extracellular traps and monocyte subsets at the culprit lesion site of myocardial infarction patients. <i>Scientific Reports</i> , <b>2019</b> , 9, 16304	4.9	18
54	PAI-1 (Plasminogen Activator Inhibitor-1) Expression Renders Alternatively Activated Human Macrophages Proteolytically Quiescent. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2017</b> , 37, 1913-1922	9.4	18
53	Novel small leucine-rich repeat protein podocan is a negative regulator of migration and proliferation of smooth muscle cells, modulates neointima formation, and is expressed in human atheroma. <i>Circulation</i> , <b>2013</b> , 128, 2351-63	16.7	18
52	The estrogen metabolite 17 $\beta$ -dihydroequilenin counteracts interleukin-1 $\alpha$ -induced expression of inflammatory mediators in human endothelial cells in vitro via NF- $\kappa$ B pathway. <i>Thrombosis and Haemostasis</i> , <b>2006</b> , 95, 107-116	7	18
51	Neutrophil Extracellular Trap Degradation by Differently Polarized Macrophage Subsets. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2020</b> , 40, 2265-2278	9.4	18
50	Monocyte subset distribution is associated with mortality in critically ill patients. <i>Thrombosis and Haemostasis</i> , <b>2016</b> , 116, 949-957	7	17
49	Quantification of serial changes in plaque burden using multi-detector computed tomography in experimental atherosclerosis. <i>Atherosclerosis</i> , <b>2009</b> , 202, 185-91	3.1	17
48	Differential expression of Plg-R and its effects on migration of proinflammatory monocyte and macrophage subsets. <i>Blood</i> , <b>2019</b> , 134, 561-567	2.2	15
47	2MHz ultrasound enhances t-PA-mediated thrombolysis: comparison of continuous versus pulsed ultrasound and standing versus travelling acoustic waves. <i>Thrombosis and Haemostasis</i> , <b>2003</b> , 89, 583-9	7	14
46	Predictive value of low interleukin-33 in critically ill patients. <i>Cytokine</i> , <b>2018</b> , 103, 109-113	4	13
45	An increase of VEGF plasma levels is associated with restenosis of drug-eluting stents. <i>EuroIntervention</i> , <b>2014</b> , 10, 224-30	3.1	13

44	Maternal serum mitochondrial DNA (mtDNA) levels are elevated in preeclampsia - A matched case-control study. <i>Pregnancy Hypertension</i> , <b>2018</b> , 14, 195-199	2.6	13
43	Circulating t-PA antigen predicts major adverse coronary events in patients with stable coronary artery disease--a 13-year follow-up. <i>Thrombosis and Haemostasis</i> , <b>2003</b> , 90, 344-50	7	11
42	Safe and sustained overexpression of functional apolipoprotein A-I/high-density lipoprotein in apolipoprotein A-I-null mice by muscular adeno-associated viral serotype 8 vector gene transfer. <i>Journal of Cardiovascular Pharmacology</i> , <b>2009</b> , 54, 405-11	3.1	10
41	Premature compared with late onset of coronary artery disease: young patients show a severe defect in fibrinolytic response to venous occlusion. <i>Blood Coagulation and Fibrinolysis</i> , <b>2007</b> , 18, 165-71	1	10
40	Mild hyperhomocysteinemia is associated with a decreased fibrinolytic activity in patients after ST-elevation myocardial infarction. <i>Thrombosis Research</i> , <b>2007</b> , 119, 331-6	8.2	10
39	Copeptin Predicts Mortality in Critically Ill Patients. <i>PLoS ONE</i> , <b>2017</b> , 12, e0170436	3.7	9
38	Pretreatment With Argon Protects Human Cardiac Myocyte-Like Progenitor Cells from Oxygen Glucose Deprivation-Induced Cell Death by Activation of AKT and Differential Regulation of Mapkinases. <i>Shock</i> , <b>2018</b> , 49, 556-563	3.4	9
37	Anti-thrombotic and pro-fibrinolytic effects of levosimendan in human endothelial cells in vitro. <i>Vascular Pharmacology</i> , <b>2017</b> , 90, 44-50	5.9	8
36	Intestinal Fatty Acid Binding Protein is Associated With Mortality in Patients With Acute Heart Failure or Cardiogenic Shock. <i>Shock</i> , <b>2019</b> , 51, 410-415	3.4	8
35	Glycoprotein 130 polymorphism predicts soluble glycoprotein 130 levels. <i>Metabolism: Clinical and Experimental</i> , <b>2014</b> , 63, 647-53	12.7	8
34	Prasugrel in critically ill patients. <i>Thrombosis and Haemostasis</i> , <b>2017</b> , 117, 1582-1587	7	8
33	High soluble Fas and soluble Fas Ligand serum levels before stent implantation are protective against restenosis. <i>Thrombosis and Haemostasis</i> , <b>2011</b> , 105, 883-91	7	8
32	Lipoprotein(a) plasma levels are not associated with survival after acute coronary syndromes: An observational cohort study. <i>PLoS ONE</i> , <b>2020</b> , 15, e0227054	3.7	8
31	Alternative activation of human macrophages enhances tissue factor expression and production of extracellular vesicles. <i>Haematologica</i> , <b>2021</b> , 106, 454-463	6.6	8
30	Effects of Nicorandil on Inflammation, Apoptosis and Atherosclerotic Plaque Progression. <i>Biomedicines</i> , <b>2021</b> , 9,	4.8	8
29	The estrogen metabolite 17beta-dihydroequilenin counteracts interleukin-1alpha induced expression of inflammatory mediators in human endothelial cells in vitro via NF-kappaB pathway. <i>Thrombosis and Haemostasis</i> , <b>2006</b> , 95, 107-16	7	7
28	G-CSF Predicts Cardiovascular Events in Patients with Stable Coronary Artery Disease. <i>PLoS ONE</i> , <b>2015</b> , 10, e0142532	3.7	6
27	The prognostic impact of soluble apoptosis-stimulating fragment on mortality in patients with carotid atherosclerosis. <i>Stroke</i> , <b>2011</b> , 42, 2465-70	6.7	6

26	The pro-inflammatory marker soluble suppression of tumorigenicity-2 (ST2) is reduced especially in diabetic morbidly obese patients undergoing bariatric surgery. <i>Cardiovascular Diabetology</i> , <b>2020</b> , 19, 26	8.7	5
25	Rhabdomyolysis during therapeutic hypothermia in a patient after successful cardio-pulmonary resuscitation. <i>Resuscitation</i> , <b>2013</b> , 84, e79-80	4	5
24	Release of mitochondrial DNA is associated with mortality in severe acute heart failure. <i>European Heart Journal: Acute Cardiovascular Care</i> , <b>2020</b> , 9, 419-428	4.3	5
23	Acetylsalicylic acid in critically ill patients: a cross-sectional and a randomized trial. <i>European Journal of Clinical Investigation</i> , <b>2017</b> , 47, 504-512	4.6	4
22	Variation of lipoprotein(a) plasma levels after premature myocardial infarction. <i>International Journal of Cardiology</i> , <b>2015</b> , 186, 5-6	3.2	4
21	Clopidogrel pretreatment abolishes increase of PAI-1 after coronary stent implantation. <i>Thrombosis Research</i> , <b>2008</b> , 123, 79-84	8.2	4
20	Biomarkers of coagulation and fibrinolysis in acute myocardial infarction: a joint position paper of the Association for Acute Cardiovascular Care and the European Society of Cardiology Working Group on Thrombosis. <i>European Heart Journal: Acute Cardiovascular Care</i> , <b>2021</b> , 10, 343-355	4.3	4
19	The ISTH DIC score predicts outcome in non-septic patients admitted to a cardiovascular intensive care unit. <i>European Journal of Internal Medicine</i> , <b>2020</b> , 79, 37-42	3.9	3
18	Growth differentiation factor-15 predicts poor survival after cardiac arrest. <i>Resuscitation</i> , <b>2019</b> , 143, 22-28	4	3
17	Pre-existing anticardiolipin antibodies and development of restenosis after coronary balloon angioplasty: predictive value for a complicated course?. <i>Blood Coagulation and Fibrinolysis</i> , <b>2004</b> , 15, 311-6	1.6	3
16	Pharmacological inhibition of fatty acid oxidation reduces atherosclerosis progression by suppression of macrophage NLRP3 inflammasome activation. <i>Biochemical Pharmacology</i> , <b>2021</b> , 190, 1146-34	6.34	3
15	The adipokine vaspin is associated with decreased coronary in-stent restenosis in vivo and inhibits migration of human coronary smooth muscle cells in vitro. <i>PLoS ONE</i> , <b>2020</b> , 15, e0232483	3.7	2
14	Epinephrine treatment but not time to ROSC is associated with intestinal injury in patients with cardiac arrest. <i>Resuscitation</i> , <b>2020</b> , 155, 32-38	4	2
13	Expert position paper on prolonged dual antiplatelet therapy in secondary prevention following myocardial infarction. <i>Wiener Klinische Wochenschrift</i> , <b>2016</b> , 128, 450-7	2.3	2
12	Atherosclerosis and complement: anaphylatoxin C5a as a new risk marker and therapeutic target. <i>Clinical Lipidology</i> , <b>2011</b> , 6, 123-126		2
11	Implementation of clinical practices and pathways optimizing ACS patients lipid management: Focus on eight European initiatives. <i>Atherosclerosis Supplements</i> , <b>2020</b> , 42, e59-e64	1.7	2
10	Toll-like receptor 2 and 9 expression on circulating neutrophils is associated with increased mortality in critically ill patients. <i>Shock</i> , <b>2020</b> , 54, 35-43	3.4	2
9	N-terminal pro-brain natriuretic peptide and high-sensitivity troponin T exhibit additive prognostic value for the outcome of critically ill patients. <i>European Heart Journal: Acute Cardiovascular Care</i> , <b>2020</b> , 9, 496-503	4.3	2

8	Monocyte subsets predict mortality after cardiac arrest. <i>Journal of Leukocyte Biology</i> , <b>2021</b> , 109, 1139-1146	11.6	2
7	Protease-Activated Receptors 1 and 3 are Differentially Expressed on Human Monocyte Subsets and are Upregulated by Lipopolysaccharide Ex Vivo and In Vivo. <i>Thrombosis and Haemostasis</i> , <b>2019</b> , 119, 1394-1402	7	1
6	Soluble neprilysin and survival in critically ill patients.. <i>ESC Heart Failure</i> , <b>2022</b> ,	3.7	1
5	Innate Immune Training with Bacterial Extracts Enhances Lung Macrophage Recruitment to Protect from Betacoronavirus Infection. <i>Journal of Innate Immunity</i> , <b>2021</b> , 1-13	6.9	1
4	Interdependence of VA-ECMO output, pulmonary congestion and outcome after cardiac surgery. <i>European Journal of Internal Medicine</i> , <b>2020</b> , 81, 67-70	3.9	1
3	Circulating levels of proprotein convertase subtilisin/kexin type 9 (PCSK9) are associated with monocyte subsets in patients with stable coronary artery disease. <i>Journal of Clinical Lipidology</i> , <b>2021</b> , 15, 512-521	4.9	1
2	MUW researcher of the month. <i>Wiener Klinische Wochenschrift</i> , <b>2011</b> , 123, 757-757	2.3	
1	Death is associated to the type of drug-eluting stent in patients with left ventricular dysfunction and elevated natriuretic peptide levels. <i>Scientific Reports</i> , <b>2021</b> , 11, 2443	4.9	