

Peter Stachon

List of Publications by Year in descending order

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Version: 2024-02-01

81
papers

1,679
citations

257101

24
h-index

329751

37
g-index

83
all docs

83
docs citations

83
times ranked

2415
citing authors

#	ARTICLE	IF	CITATIONS
1	Cytokine adsorption in patients with severe COVID-19 pneumonia requiring extracorporeal membrane oxygenation (CYCOV): a single centre, open-label, randomised, controlled trial. <i>Lancet Respiratory Medicine</i> , 2021, 9, 755-762.	5.2	129
2	Pathogenic Autoimmunity in Atherosclerosis Evolves From Initially Protective Apolipoprotein B ¹⁰⁰ ⁺ T-Regulatory Cells. <i>Circulation</i> , 2020, 142, 1279-1293.	1.6	100
3	Binding of CD40L to Mac-1's I-Domain Involves the EQLKSKTL Motif and Mediates Leukocyte Recruitment and Atherosclerosis ⁺ But Does Not Affect Immunity and Thrombosis in Mice. <i>Circulation Research</i> , 2011, 109, 1269-1279.	2.0	91
4	P2X ₇ Deficiency Blocks Lesional Inflammasome Activity and Ameliorates Atherosclerosis in Mice. <i>Circulation</i> , 2017, 135, 2524-2533.	1.6	77
5	A ligand-specific blockade of the integrin Mac-1 selectively targets pathologic inflammation while maintaining protective host-defense. <i>Nature Communications</i> , 2018, 9, 525.	5.8	72
6	Extracellular ATP Induces Vascular Inflammation and Atherosclerosis via Purinergic Receptor Y ₂ in Mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016, 36, 1577-1586.	1.1	67
7	Tumor Necrosis Factor Receptor ⁺ Associated Factor 1 (TRAF1) Deficiency Attenuates Atherosclerosis in Mice by Impairing Monocyte Recruitment to the Vessel Wall. <i>Circulation</i> , 2010, 121, 2033-2044.	1.6	62
8	Coinhibitory Suppression of T Cell Activation by CD40 Protects Against Obesity and Adipose Tissue Inflammation in Mice. <i>Circulation</i> , 2014, 129, 2414-2425.	1.6	59
9	The Oral Spleen Tyrosine Kinase Inhibitor Fostamatinib Attenuates Inflammation and Atherogenesis in Low-Density Lipoprotein Receptor ⁺ Deficient Mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011, 31, 1991-1999.	1.1	58
10	P2Y ₆ Deficiency Limits Vascular Inflammation and Atherosclerosis in Mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014, 34, 2237-2245.	1.1	54
11	TRAF5 Deficiency Accelerates Atherogenesis in Mice by Increasing Inflammatory Cell Recruitment and Foam Cell Formation. <i>Circulation Research</i> , 2010, 107, 757-766.	2.0	48
12	Purinergic receptor Y2 (P2Y2)- dependent VCAM-1 expression promotes immune cell infiltration in metabolic syndrome. <i>Basic Research in Cardiology</i> , 2018, 113, 45.	2.5	46
13	Glucose lowering by SGLT2-inhibitor empagliflozin accelerates atherosclerosis regression in hyperglycemic STZ-diabetic mice. <i>Scientific Reports</i> , 2019, 9, 17937.	1.6	45
14	Prone positioning in severe ARDS requiring extracorporeal membrane oxygenation. <i>Critical Care</i> , 2020, 24, 397.	2.5	40
15	Residual inflammatory risk in coronary heart disease: incidence of elevated high-sensitive CRP in a real-world cohort. <i>Clinical Research in Cardiology</i> , 2020, 109, 315-323.	1.5	39
16	Inhibition of macrophage proliferation dominates plaque regression in response to cholesterol lowering. <i>Basic Research in Cardiology</i> , 2020, 115, 78.	2.5	37
17	Inflammatory mechanisms in atherosclerosis. <i>Hamostaseologie</i> , 2014, 34, 63-71.	0.9	35
18	Two-year survival of patients screened for transcatheter aortic valve replacement with potentially malignant incidental findings in initial body computed tomography. <i>European Heart Journal Cardiovascular Imaging</i> , 2015, 16, 731-737.	0.5	33

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19	The Use and Outcomes of Cerebral Protection Devices for Patients Undergoing Transfemoral Transcatheter Aortic Valve Replacement in Clinical Practice. <i>JACC: Cardiovascular Interventions</i> , 2021, 14, 161-168.	1.1	33
20	CD40L Deficiency Attenuates Diet-Induced Adipose Tissue Inflammation by Impairing Immune Cell Accumulation and Production of Pathogenic IgG-Antibodies. <i>PLoS ONE</i> , 2012, 7, e33026.	1.1	33
21	Outcome of acute respiratory distress syndrome requiring extracorporeal membrane oxygenation in Covid-19 or influenza: A single-center registry study. <i>Artificial Organs</i> , 2021, 45, 593-601.	1.0	32
22	Atheroprotection through SYK inhibition fails in established disease when local macrophage proliferation dominates lesion progression. <i>Basic Research in Cardiology</i> , 2016, 111, 20.	2.5	31
23	Transcatheter Aortic Valve Replacement. <i>JACC: Cardiovascular Interventions</i> , 2016, 9, 2137-2143.	1.1	28
24	Cardiogenic shock: incidence, survival and mechanical circulatory support usage 2007-2017-insights from a national registry. <i>Clinical Research in Cardiology</i> , 2021, 110, 1421-1430.	1.5	28
25	Risk factors and outcome of postoperative delirium after transcatheter aortic valve replacement. <i>Clinical Research in Cardiology</i> , 2018, 107, 756-762.	1.5	23
26	Sex-Specific Differences in Outcome of Transcatheter or Surgical Aortic Valve Replacement. <i>Canadian Journal of Cardiology</i> , 2018, 34, 992-998.	0.8	23
27	Interruption of classic CD40L-CD40 signalling but not of the novel CD40L-Mac-1 interaction limits arterial neointima formation in mice. <i>Thrombosis and Haemostasis</i> , 2014, 112, 379-389.	1.8	21
28	Tumor Necrosis Factor Receptor Associated Factor 6 Is Not Required for Atherogenesis in Mice and Does Not Associate with Atherosclerosis in Humans. <i>PLoS ONE</i> , 2010, 5, e11589.	1.1	21
29	Risk-Adjusted Comparison of In-Hospital Outcomes of Transcatheter and Surgical Aortic Valve Replacement. <i>Journal of the American Heart Association</i> , 2019, 8, e011504.	1.6	20
30	Inflammatory Pathways Regulated by Tumor Necrosis Receptor-Associated Factor 1 Protect From Metabolic Consequences in Diet-Induced Obesity. <i>Circulation Research</i> , 2018, 122, 693-700.	2.0	19
31	Nationwide outcomes of aortic valve replacement for pure aortic regurgitation in Germany 2008-2015. <i>Catheterization and Cardiovascular Interventions</i> , 2020, 95, 810-816.	0.7	16
32	Pro- and anti-inflammatory macrophages express a sub-type specific purinergic receptor profile. <i>Purinergic Signalling</i> , 2021, 17, 481-492.	1.1	16
33	Outcomes of transcatheter aortic valve implantations in high-volume or low-volume centres in Germany. <i>Heart</i> , 2020, 106, 1604-1608.	1.2	15
34	Deficiency of Endothelial CD40 Induces a Stable Plaque Phenotype and Limits Inflammatory Cell Recruitment to Atherosclerotic Lesions in Mice. <i>Thrombosis and Haemostasis</i> , 2021, 121, 1530-1540.	1.8	14
35	Dual pathway therapy in acute coronary syndrome. <i>Journal of Thrombosis and Thrombolysis</i> , 2016, 42, 254-260.	1.0	11
36	Development and In-Hospital Mortality of Transcatheter and Surgical Aortic Valve Replacement in Germany. <i>Journal of the American College of Cardiology</i> , 2018, 72, 475-476.	1.2	11

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37	Incidence and predictors of delirium on the intensive care unit after acute myocardial infarction, insight from a retrospective registry. <i>Catheterization and Cardiovascular Interventions</i> , 2020, 98, 1072-1081.	0.7	11
38	Coronary magnetic resonance imaging after routine implantation of bioresorbable vascular scaffolds allows non-invasive evaluation of vascular patency. <i>PLoS ONE</i> , 2018, 13, e0191413.	1.1	10
39	A molecular intravascular ultrasound contrast agent allows detection of activated platelets on the surface of symptomatic human plaques. <i>Atherosclerosis</i> , 2017, 267, 68-77.	0.4	9
40	Myocardial infarction type 1 is frequent in refractory out-of-hospital cardiac arrest (OHCA) treated with extracorporeal cardiopulmonary resuscitation (ECPR). <i>Scientific Reports</i> , 2020, 10, 8423.	1.6	9
41	Genetic Deficiency of TRAF5 Promotes Adipose Tissue Inflammation and Aggravates Diet-Induced Obesity in Mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2021, 41, 2563-2574.	1.1	8
42	Dysregulation of the Mitochondrial Proteome Occurs in Mice Lacking Adiponectin Receptor 1. <i>Frontiers in Endocrinology</i> , 2019, 10, 872.	1.5	7
43	Molecular magnetic resonance imaging of activated platelets allows noninvasive detection of early myocarditis in mice. <i>Scientific Reports</i> , 2020, 10, 13211.	1.6	7
44	Transapical aortic valve replacement versus surgical aortic valve replacement: A subgroup analyses for at-risk populations. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2021, 162, 1701-1709.e1.	0.4	7
45	In-hospital outcomes of self-expanding and balloon-expandable transcatheter heart valves in Germany. <i>Clinical Research in Cardiology</i> , 2021, 110, 1977-1982.	1.5	7
46	The Role of Tumor Necrosis Factor Associated Factors (TRAFs) in Vascular Inflammation and Atherosclerosis. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, 826630.	1.1	7
47	Extracellular HtrA2 Induces Apoptosis in Human Umbilical Vein Endothelial Cells. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5446.	1.8	6
48	Estimating the additional costs per life saved due to transcatheter aortic valve replacement: a secondary data analysis of electronic health records in Germany. <i>European Journal of Health Economics</i> , 2019, 20, 625-632.	1.4	6
49	Bleeding Complications Drive In-Hospital Mortality of Patients with Atrial Fibrillation after Transcatheter Aortic Valve Replacement. <i>Thrombosis and Haemostasis</i> , 2020, 120, 1580-1586.	1.8	6
50	A logistic regression analysis comparing minimalistic approach and intubation anaesthesia in patients undergoing transfemoral transcatheter aortic valve replacement. <i>PLoS ONE</i> , 2020, 15, e0227345.	1.1	6
51	Delirium in Critically Ill Patients with and without COVID-19—A Retrospective Analysis. <i>Journal of Clinical Medicine</i> , 2021, 10, 4412.	1.0	6
52	Myeloid cell-specific <i>Irf5</i> deficiency stabilizes atherosclerotic plaques in <i>Apoe</i> mice. <i>Molecular Metabolism</i> , 2021, 53, 101250.	3.0	6
53	P2X4 deficiency reduces atherosclerosis and plaque inflammation in mice. <i>Scientific Reports</i> , 2022, 12, 2801.	1.6	6
54	Impact of Preprocedural Aortic Valve Calcification on Conduction Disturbances after Transfemoral Aortic Valve Replacement. <i>Cardiology</i> , 2021, 146, 228-237.	0.6	5

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55	Incidence and predictors of delirium on the intensive care unit in patients with acute kidney injury, insight from a retrospective registry. <i>Scientific Reports</i> , 2021, 11, 17260.	1.6	5
56	P2Y12-dependent activation of hematopoietic stem and progenitor cells promotes emergency hematopoiesis after myocardial infarction. <i>Basic Research in Cardiology</i> , 2022, 117, 16.	2.5	5
57	Platelet Subtypes in Inflammatory Settings. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, 823549.	1.1	5
58	Effects of Short Term Adiponectin Receptor Agonism on Cardiac Function and Energetics in Diabetic <i>db/db</i> Mice. <i>Journal of Lipid and Atherosclerosis</i> , 2022, 11, 161.	1.1	5
59	Extracellular atp contributes to atherogenesis via purinergic receptors by inducing leukocyte recruitment in mice. <i>European Heart Journal</i> , 2013, 34, P2393-P2393.	1.0	4
60	Asymptomatic atrial fibrillation and risk of stroke. <i>Panminerva Medica</i> , 2015, 57, 211-5.	0.2	4
61	Tumor Necrosis Factor Receptor-Associated Factor 5 Promotes Arterial Neointima Formation through Smooth Muscle Cell Proliferation. <i>Journal of Vascular Research</i> , 2019, 56, 308-319.	0.6	3
62	Modeling the Volume-Outcome Relationship for TAVR. <i>Journal of the American College of Cardiology</i> , 2019, 74, 2115-2116.	1.2	3
63	The Cardia Ultraseal Left Atrial Appendage Occluder. <i>JACC: Cardiovascular Interventions</i> , 2019, 12, 1987-1989.	1.1	3
64	The impact of transcatheter aortic valve implantation planning and procedure on acute and chronic renal failure. <i>Cardiology Journal</i> , 2021, , .	0.5	3
65	Ventral calcification in the common femoral artery: A risk factor for major transcatheter aortic valve intervention access site complications. <i>Catheterization and Cardiovascular Interventions</i> , 2021, 98, E947-E953.	0.7	3
66	In-hospital outcomes of patients undergoing concomitant aortic and mitral valve replacement in Germany. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2022, 34, 349-353.	0.5	3
67	P2Y12 Inhibition in Murine Myocarditis Results in Reduced Platelet Infiltration and Preserved Ejection Fraction. <i>Cells</i> , 2021, 10, 3414.	1.8	3
68	Predictors of survival in patients with acute coronary syndrome undergoing percutaneous coronary intervention of unprotected left main coronary artery stenosis. <i>Catheterization and Cardiovascular Interventions</i> , 2020, 96, E27-E33.	0.7	2
69	Advantages of score-based delirium detection compared to a clinical delirium assessmentâ€”a retrospective, monocentric cohort study. <i>PLoS ONE</i> , 2021, 16, e0259841.	1.1	2
70	Macrophage-specific IRF5 deficiency stabilizes atherosclerotic plaques in ApoE ^{-/-} mice. <i>European Heart Journal</i> , 2020, 41, .	1.0	2
71	P3443P2Y12 is involved in emergency hematopoiesis after myocardial infarction. <i>European Heart Journal</i> , 2018, 39, .	1.0	1
72	Impact of the introduction of percutaneous edge-to-edge mitral valve reconstruction on clinical practice in Germany compared to surgical valve repair. <i>Clinical Research in Cardiology</i> , 2021, 110, 620-627.	1.5	1

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73	Coronary artery bypass grafting versus stent implantation in patients with chronic coronary syndrome and left main disease: insights from a register throughout Germany. <i>Clinical Research in Cardiology</i> , 2022, 111, 742-749.	1.5	1
74	Circulating Autoantibodies Recognizing Immunodominant Epitopes From Human Apolipoprotein B Associate With Cardiometabolic Risk Factors, but Not With Atherosclerotic Disease. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, 826729.	1.1	1
75	P733Cholesterol uptake triggers macrophage proliferation in the plaque. <i>European Heart Journal</i> , 2019, 40, .	1.0	0
76	Outcomes of female and male patients suffering from coronary artery disease. <i>Medicine (United)</i> Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50 6	0.4	0
77	Self-expanding and balloon-expandable transfemoral transcatheter aortic valve replacement: in-hospital outcomes in Germany. <i>European Heart Journal</i> , 2021, 42, .	1.0	0
78	Use and Outcomes of Acute Treatment Strategies in Patients with Severe Aortic Valve Stenosis. <i>Global Heart</i> , 2021, 16, 91.	0.9	0
79	Use of coronary physiology in chronic coronary syndromes in Germany from 2007â€“2017. <i>European Heart Journal</i> , 2020, 41, .	1.0	0
80	Hospital volumes and the likelihood of stent implantation among patients undergoing catheterization of the left heart: more is more?. <i>European Heart Journal</i> , 2020, 41, .	1.0	0
81	Annual hospital procedural volume and outcome in extracorporeal membrane oxygenation for respiratory failure. <i>Artificial Organs</i> , 0, , .	1.0	0