

Stefan Kiechl

List of Publications by Year in descending order

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Version: 2024-02-01

122
papers

10,795
citations

43973

48
h-index

32761

100
g-index

128
all docs

128
docs citations

128
times ranked

18580
citing authors

#	ARTICLE	IF	CITATIONS
1	Toll-like Receptor 4 Polymorphisms and Atherogenesis. <i>New England Journal of Medicine</i> , 2002, 347, 185-192.	13.9	993
2	Cardioprotection and lifespan extension by the natural polyamine spermidine. <i>Nature Medicine</i> , 2016, 22, 1428-1438.	15.2	801
3	Carotid intima-media thickness progression to predict cardiovascular events in the general population (the PROG-IMT collaborative project): a meta-analysis of individual participant data. <i>Lancet</i> , 2012, 379, 2053-2062.	6.3	506
4	SCORE2 risk prediction algorithms: new models to estimate 10-year risk of cardiovascular disease in Europe. <i>European Heart Journal</i> , 2021, 42, 2439-2454.	1.0	491
5	Lipidomics Profiling and Risk of Cardiovascular Disease in the Prospective Population-Based Bruneck Study. <i>Circulation</i> , 2014, 129, 1821-1831.	1.6	445
6	PCSK9 genetic variants and risk of type 2 diabetes: a mendelian randomisation study. <i>Lancet Diabetes and Endocrinology</i> , 2017, 5, 97-105.	5.5	298
7	Endothelial Cytotoxicity Mediated by Serum Antibodies to Heat Shock Proteins of <i>Escherichia coli</i> and <i>Chlamydia pneumoniae</i> . <i>Circulation</i> , 1999, 99, 1560-1566.	1.6	293
8	Insulin sensitivity and regular alcohol consumption: large, prospective, cross sectional population study (Bruneck study). <i>BMJ: British Medical Journal</i> , 1996, 313, 1040-1044.	2.4	292
9	Genome-wide analysis identifies 12 loci influencing human reproductive behavior. <i>Nature Genetics</i> , 2016, 48, 1462-1472.	9.4	284
10	Genetic association study of QT interval highlights role for calcium signaling pathways in myocardial repolarization. <i>Nature Genetics</i> , 2014, 46, 826-836.	9.4	281
11	Association of Serum Antibodies to Heat-Shock Protein 65 With Carotid Atherosclerosis. <i>Circulation</i> , 1999, 100, 1169-1174.	1.6	236
12	Carotid Intima-Media Thickness Progression as Surrogate Marker for Cardiovascular Risk. <i>Circulation</i> , 2020, 142, 621-642.	1.6	232
13	Discrimination and Net Reclassification of Cardiovascular Risk With Lipoprotein(a). <i>Journal of the American College of Cardiology</i> , 2014, 64, 851-860.	1.2	231
14	Oxidized Phospholipids, Lipoprotein(a), Lipoprotein-Associated Phospholipase A2 Activity, and 10-Year Cardiovascular Outcomes. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2007, 27, 1788-1795.	1.1	220
15	High-Sensitivity Cardiac Troponin Concentration and Risk of First-Ever Cardiovascular Outcomes in 154,052 Participants. <i>Journal of the American College of Cardiology</i> , 2017, 70, 558-568.	1.2	213
16	Blockade of receptor activator of nuclear factor- κ B (RANKL) signaling improves hepatic insulin resistance and prevents development of diabetes mellitus. <i>Nature Medicine</i> , 2013, 19, 358-363.	15.2	211
17	Circulating MicroRNA-122 Is Associated With the Risk of New-Onset Metabolic Syndrome and Type 2 Diabetes. <i>Diabetes</i> , 2017, 66, 347-357.	0.3	199
18	The Natural Course of Atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1999, 19, 1484-1490.	1.1	188

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19	Cardiovascular Risk Factors and Atherosclerosis in Young Males. <i>Circulation</i> , 2003, 108, 1064-1069.	1.6	186
20	The Natural Course of Atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1999, 19, 1491-1498.	1.1	177
21	Leucocyte Telomere Length and Risk of Type 2 Diabetes Mellitus: New Prospective Cohort Study and Literature-Based Meta-Analysis. <i>PLoS ONE</i> , 2014, 9, e112483.	1.1	174
22	Very-Low-Density Lipoprotein-Associated Apolipoproteins Predict Cardiovascular Events and Are Lowered by Inhibition of ApoC-III. <i>Journal of the American College of Cardiology</i> , 2017, 69, 789-800.	1.2	150
23	Higher spermidine intake is linked to lower mortality: a prospective population-based study. <i>American Journal of Clinical Nutrition</i> , 2018, 108, 371-380.	2.2	150
24	Soluble Receptor Activator of Nuclear Factor- κ B Ligand and Risk for Cardiovascular Disease. <i>Circulation</i> , 2007, 116, 385-391.	1.6	148
25	Distinct Risk Profiles of Early and Advanced Atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2000, 20, 529-537.	1.1	130
26	Signature of circulating microRNAs in osteoarthritis. <i>Annals of the Rheumatic Diseases</i> , 2015, 74, e18-e18.	0.5	130
27	Neurological outcome and quality of life 3 months after COVID-19: A prospective observational cohort study. <i>European Journal of Neurology</i> , 2021, 28, 3348-3359.	1.7	126
28	Extracellular matrix proteomics identifies molecular signature of symptomatic carotid plaques. <i>Journal of Clinical Investigation</i> , 2017, 127, 1546-1560.	3.9	122
29	Nicotinamide for the treatment of heart failure with preserved ejection fraction. <i>Science Translational Medicine</i> , 2021, 13, .	5.8	109
30	Liver microRNAs: potential mediators and biomarkers for metabolic and cardiovascular disease?. <i>European Heart Journal</i> , 2016, 37, 3260-3266.	1.0	108
31	Angiogenic microRNAs Linked to Incidence and Progression of Diabetic Retinopathy in Type 1 Diabetes. <i>Diabetes</i> , 2016, 65, 216-227.	0.3	103
32	Dietary spermidine improves cognitive function. <i>Cell Reports</i> , 2021, 35, 108985.	2.9	98
33	Equalization of four cardiovascular risk algorithms after systematic recalibration: individual-participant meta-analysis of 86 prospective studies. <i>European Heart Journal</i> , 2019, 40, 621-631.	1.0	97
34	Trajectories of Age-Related Arterial Stiffness in Chinese Men and Women. <i>Journal of the American College of Cardiology</i> , 2020, 75, 870-880.	1.2	94
35	Probable RBD and association with neurodegenerative disease markers: A population-based study. <i>Movement Disorders</i> , 2015, 30, 1417-1421.	2.2	86
36	Cardiovascular Risk Factors and Atherosclerosis in Young Women. <i>Stroke</i> , 2009, 40, 1063-1069.	1.0	84

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37	Enzymatic lipid oxidation by eosinophils propagates coagulation, hemostasis, and thrombotic disease. <i>Journal of Experimental Medicine</i> , 2017, 214, 2121-2138.	4.2	78
38	Association of Variation at the <i>ABO</i> Locus With Circulating Levels of Soluble Intercellular Adhesion Molecule-1, Soluble P-selectin, and Soluble E-selectin. <i>Circulation: Cardiovascular Genetics</i> , 2011, 4, 681-686.	5.1	77
39	Inflammatory markers and extent and progression of early atherosclerosis: Meta-analysis of individual-participant-data from 20 prospective studies of the PROG-IMT collaboration. <i>European Journal of Preventive Cardiology</i> , 2016, 23, 194-205.	0.8	74
40	Prodromal Parkinson's disease as defined per MDS research criteria in the general elderly community. <i>Movement Disorders</i> , 2016, 31, 1405-1408.	2.2	71
41	Predicting Early Mortality of Acute Ischemic Stroke. <i>Stroke</i> , 2019, 50, 349-356.	1.0	71
42	Carotid Intima-Media Thickness Progression and Risk of Vascular Events in People With Diabetes: Results From the PROG-IMT Collaboration. <i>Diabetes Care</i> , 2015, 38, 1921-1929.	4.3	67
43	Lipoprotein(a) and incident type-2 diabetes: results from the prospective Bruneck study and a meta-analysis of published literature. <i>Cardiovascular Diabetology</i> , 2017, 16, 38.	2.7	66
44	Is Functional Outcome Different in Posterior and Anterior Circulation Stroke?. <i>Stroke</i> , 2018, 49, 2728-2732.	1.0	65
45	Dietary spermidine for lowering high blood pressure. <i>Autophagy</i> , 2017, 13, 767-769.	4.3	63
46	Prevalence and Associated Factors of Sarcopenia and Frailty in Parkinson's Disease: A Cross-Sectional Study. <i>Gerontology</i> , 2019, 65, 216-228.	1.4	63
47	Plasma Concentrations of Afamin Are Associated With the Prevalence and Development of Metabolic Syndrome. <i>Circulation: Cardiovascular Genetics</i> , 2014, 7, 822-829.	5.1	62
48	Plasma Concentrations of Afamin Are Associated With Prevalent and Incident Type 2 Diabetes: A Pooled Analysis in More Than 20,000 Individuals. <i>Diabetes Care</i> , 2017, 40, 1386-1393.	4.3	59
49	Neurological outcomes 1 year after COVID-19 diagnosis: A prospective longitudinal cohort study. <i>European Journal of Neurology</i> , 2022, 29, 1685-1696.	1.7	57
50	Thrombolysis and clinical outcome in patients with stroke after implementation of the Tyrol Stroke Pathway: a retrospective observational study. <i>Lancet Neurology</i> , The, 2015, 14, 48-56.	4.9	53
51	Performance of the Movement Disorders Society criteria for prodromal Parkinson's disease: A population-based 10-year study. <i>Movement Disorders</i> , 2018, 33, 405-413.	2.2	53
52	Predictive value for cardiovascular events of common carotid intima media thickness and its rate of change in individuals at high cardiovascular risk – Results from the PROG-IMT collaboration. <i>PLoS ONE</i> , 2018, 13, e0191172.	1.1	51
53	Heme Oxygenase-1 Gene Promoter Microsatellite Polymorphism Is Associated With Progressive Atherosclerosis and Incident Cardiovascular Disease. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015, 35, 229-236.	1.1	49
54	A Cytokine-Like Protein Dickkopf-Related Protein 3 Is Atheroprotective. <i>Circulation</i> , 2017, 136, 1022-1036.	1.6	47

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55	Prehospital and intra-hospital time delays in posterior circulation stroke: results from the Austrian Stroke Unit Registry. <i>Journal of Neurology</i> , 2017, 264, 131-138.	1.8	47
56	A genome-wide association meta-analysis on apolipoprotein A-IV concentrations. <i>Human Molecular Genetics</i> , 2016, 25, 3635-3646.	1.4	46
57	Aberrant regulation of RANKL/OPG in women at high risk of developing breast cancer. <i>Oncotarget</i> , 2017, 8, 3811-3825.	0.8	45
58	Do Women With Atrial Fibrillation Experience More Severe Strokes?. <i>Stroke</i> , 2017, 48, 778-780.	1.0	44
59	Trends of r-tPA (Recombinant Tissue-Type Plasminogen Activator) Treatment and Treatment-Influencing Factors in Acute Ischemic Stroke. <i>Stroke</i> , 2020, 51, 1240-1247.	1.0	41
60	Individual progression of carotid intima media thickness as a surrogate for vascular risk (PROG-IMT): Rationale and design of a meta-analysis project. <i>American Heart Journal</i> , 2010, 159, 730-736.e2.	1.2	37
61	STROKE-CARD care to prevent cardiovascular events and improve quality of life after acute ischaemic stroke or TIA: A randomised clinical trial. <i>EClinicalMedicine</i> , 2020, 25, 100476.	3.2	35
62	The haemochromatosis gene Hfe and Kupffer cells control LDL cholesterol homeostasis and impact on atherosclerosis development. <i>European Heart Journal</i> , 2020, 41, 3949-3959.	1.0	32
63	Osteoprotegerin concentration and risk of cardiovascular outcomes in nine general population studies: Literature-based meta-analysis involving 26,442 participants. <i>PLoS ONE</i> , 2017, 12, e0183910.	1.1	31
64	Neutrophil-Derived Protein S100A8/A9 Alters the Platelet Proteome in Acute Myocardial Infarction and Is Associated With Changes in Platelet Reactivity. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2022, 42, 49-62.	1.1	31
65	Predictors for mild parkinsonian signs: A prospective population-based study. <i>Parkinsonism and Related Disorders</i> , 2015, 21, 321-324.	1.1	27
66	Phenotyping of Acute and Persistent Coronavirus Disease 2019 Features in the Outpatient Setting: Exploratory Analysis of an International Cross-sectional Online Survey. <i>Clinical Infectious Diseases</i> , 2022, 75, e418-e431.	2.9	24
67	Predictive value of ABCD2 and ABCD3-I scores in TIA and minor stroke in the stroke unit setting. <i>Neurology</i> , 2016, 87, 861-869.	1.5	23
68	Inadequate hepcidin serum concentrations predict incident type 2 diabetes mellitus. <i>Diabetes/Metabolism Research and Reviews</i> , 2016, 32, 187-192.	1.7	23
69	Midbrain hyperechogenicity, hyposmia, mild parkinsonian signs and risk for incident Parkinson's disease over 10 years: A prospective population-based study. <i>Parkinsonism and Related Disorders</i> , 2020, 70, 51-54.	1.1	23
70	The dimension of preventable stroke in a large representative patient cohort. <i>Neurology</i> , 2019, 93, e2121-e2132.	1.5	22
71	ABCD3-I score and the risk of early or 3-month stroke recurrence in tissue- and time-based definitions of TIA and minor stroke. <i>Journal of Neurology</i> , 2018, 265, 530-534.	1.8	21
72	Who Is at Risk of Poor Mental Health Following Coronavirus Disease-19 Outpatient Management?. <i>Frontiers in Medicine</i> , 2022, 9, 792881.	1.2	21

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73	Aortic Elastic Properties in Preschool Children Born Preterm. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016, 36, 2268-2274.	1.1	20
74	Pragmatic trial of multifaceted intervention (STROKE-CARD care) to reduce cardiovascular risk and improve quality-of-life after ischaemic stroke and transient ischaemic attack –study protocol. <i>BMC Neurology</i> , 2018, 18, 187.	0.8	20
75	In a Nutshell: Findings from the Bruneck Study. <i>Gerontology</i> , 2019, 65, 9-19.	1.4	19
76	Risk of acute arterial and venous thromboembolic events in eosinophilic granulomatosis with polyangiitis (Churg–Strauss syndrome). <i>European Respiratory Journal</i> , 2021, 57, 2004158.	3.1	19
77	Update of the effect estimates for common variants associated with carotid intima media thickness within four independent samples: The Bonn IMT Family Study, the Heinz Nixdorf Recall Study, the SAPHIR Study and the Bruneck Study. <i>Atherosclerosis</i> , 2016, 249, 83-87.	0.4	18
78	Factors associated with impaired quality of life three months after being diagnosed with COVID-19. <i>Quality of Life Research</i> , 2022, 31, 1401-1414.	1.5	18
79	Characterization of gait variability in multiple system atrophy and Parkinson’s disease. <i>Journal of Neurology</i> , 2021, 268, 1770-1779.	1.8	18
80	Plasma Proteomics for Epidemiology. <i>Circulation: Cardiovascular Genetics</i> , 2017, 10, .	5.1	17
81	The Tyrolean early vascular ageing-study (EVA-Tyrol): study protocol for a non-randomized controlled trial. <i>BMC Cardiovascular Disorders</i> , 2020, 20, 59.	0.7	15
82	Metabolic recovery after weight loss surgery is reflected in serum microRNAs. <i>BMJ Open Diabetes Research and Care</i> , 2020, 8, e001441.	1.2	15
83	Prediction of infarction development after endovascular stroke therapy with dual-energy computed tomography. <i>European Radiology</i> , 2017, 27, 907-917.	2.3	14
84	Longer term patient management following stroke: A systematic review. <i>International Journal of Stroke</i> , 2021, 16, 917-926.	2.9	14
85	PCSK9 Activity Is Potentiated Through HDL Binding. <i>Circulation Research</i> , 2021, 129, 1039-1053.	2.0	13
86	Complex Association Between Alcohol Consumption and Myocardial Infarction. <i>Circulation</i> , 2014, 130, 383-386.	1.6	12
87	Potential and Caveats of Lipidomics for Cardiovascular Disease. <i>Circulation</i> , 2016, 134, 1651-1654.	1.6	12
88	Extracellular matrix protein signature of recurrent spontaneous cervical artery dissection. <i>Neurology</i> , 2020, 95, e2047-e2055.	1.5	12
89	Application of a Simple Parkinson’s Disease Risk Score in a Longitudinal <sc>Population-Based</sc> Cohort. <i>Movement Disorders</i> , 2020, 35, 1658-1662.	2.2	11
90	Application of the Updated Movement Disorder Society Criteria for Prodromal Parkinson’s Disease to a Population-Based 10-Year Study. <i>Movement Disorders</i> , 2021, 36, 1464-1466.	2.2	11

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91	Impact of lifestyle and cardiovascular risk factors on early atherosclerosis in a large cohort of healthy adolescents: The Early Vascular Ageing (EVA)-Tyrol Study. <i>Atherosclerosis</i> , 2020, 305, 26-33.	0.4	10
92	Etiologic Evaluation of Ischemic Stroke in Young Adults: A Comparative Study between Two European Centers. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2019, 28, 1261-1266.	0.7	9
93	High-Density Lipoproteins Are the Main Carriers of PCSK9 in the Circulation. <i>Journal of the American College of Cardiology</i> , 2020, 75, 1495-1497.	1.2	9
94	Does subclinical inflammation contribute to impairment of function of knee joints in aged individuals? High prevalence of ultrasound inflammatory findings. <i>Rheumatology</i> , 2015, 54, 1622-1629.	0.9	8
95	Austrian Lipid Consensus on the management of metabolic lipid disorders to prevent vascular complications. <i>Wiener Klinische Wochenschrift</i> , 2016, 128, 216-228.	1.0	8
96	What Characterizes Depression in Old Age? Results from the Bruneck Study. <i>Pharmacopsychiatry</i> , 2018, 51, 153-160.	1.7	8
97	Cardiovascular Risk Beyond Low-Density Lipoprotein Cholesterol. <i>Journal of the American College of Cardiology</i> , 2018, 71, 633-635.	1.2	7
98	Cardiac sympathetic innervation in Parkinson's disease versus multiple system atrophy. <i>Clinical Autonomic Research</i> , 2022, 32, 103-114.	1.4	7
99	Neuropathology of multiple system atrophy: Kurt Jellinger's legacy. <i>Journal of Neural Transmission</i> , 2021, 128, 1481-1494.	1.4	6
100	Thrombectomy in basilar artery occlusion. <i>International Journal of Stroke</i> , 2022, 17, 1006-1012.	2.9	6
101	Synonymous mutation in adenosine triphosphatase copper-transporting beta causes enhanced exon skipping in Wilson disease. <i>Hepatology Communications</i> , 2022, 6, 1611-1619.	2.0	6
102	Predictors of Carotid Intima-Media Thickness Progression in Adolescents—The EVA-Tyrol Study. <i>Journal of the American Heart Association</i> , 2021, 10, e020233.	1.6	5
103	Time trends in stroke severity in the years 2005 to 2020: results from the Austrian Stroke Unit Registry. <i>Journal of Neurology</i> , 2022, 269, 4396-4403.	1.8	5
104	The Prospective Studies of Atherosclerosis (Proof-ATHERO) Consortium: Design and Rationale. <i>Gerontology</i> , 2020, 66, 447-459.	1.4	4
105	Platelet Reactivity in Individuals Over 65 Years Old Is Not Modulated by Age. <i>Circulation Research</i> , 2020, 127, 394-396.	2.0	3
106	Very preterm birth results in later lower platelet activation markers. <i>Pediatric Research</i> , 2021, 89, 1278-1282.	1.1	3
107	Diagnostic Yield of a Systematic Vascular Health Screening Approach in Adolescents at Schools. <i>Journal of Adolescent Health</i> , 2022, 70, 70-76.	1.2	3
108	Associations of Gait Disorders and Recurrent Falls in Older People: A Prospective Population-Based Study. <i>Gerontology</i> , 2022, 68, 1139-1144.	1.4	3

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109	A multiplex pedigree with pathologically confirmed multiple system atrophy and Parkinson's disease with dementia. <i>Brain Communications</i> , 2022, 4, .	1.5	3
110	Hospitalization rates, stroke unit care, and recurrence rates in Austria's stroke cohort Epidemiologic analysis of 102,107 patients in a nation-wide acute stroke cohort between 2015 and 2019. <i>European Stroke Journal</i> , 2022, 7, 467-475.	2.7	3
111	Development, validation, and application of a fast, simple, and robust SPE-based LC-MS/MS method for quantification of angiotensin I-converting enzyme inhibiting tripeptides Val-Pro-Pro, Ile-Pro-Pro, and Leu-Pro-Pro in yoghurt and other fermented dairy products. <i>International Dairy Journal</i> , 2019, 97, 31-39.	1.5	2
112	A Young Woman Presenting with Encephalopathy: A Case Report. <i>Neurocritical Care</i> , 2020, 32, 630-632.	1.2	2
113	The Attitude towards Polypills Questionnaire (APPQ): a phase I development and validation study in patients with cerebrovascular disease. <i>European Journal of Neurology</i> , 2021, 28, 4039-4050.	1.7	2
114	Reconstruction of pseudonymized patient-trajectories in Austria's stroke cohort using medical record-linkage of in-patient routine documentation to establish a nation-wide acute stroke cohort of 102,107 pseudonymized patients between 2015 and 2019. <i>European Stroke Journal</i> , 0, , 239698732211076.	2.7	2
115	Alteplase in acute ischaemic stroke: no time to slow down. <i>Lancet Neurology</i> , The, 2016, 15, 893-895.	4.9	1
116	Reply to Gostner and Fuchs. <i>American Journal of Clinical Nutrition</i> , 2019, 109, 218-219.	2.2	1
117	Orthostatic Hypotension in Parkinson's Disease: Do Height and Weight Matter?. <i>Movement Disorders</i> , 2021, 36, 2703-2705.	2.2	1
118	Association of adolescent lipoprotein subclass profile with carotid intima-media thickness and comparison to adults: Prospective population-based cohort studies. <i>Atherosclerosis</i> , 2022, 341, 34-42.	0.4	1
119	Feasibility of an individualised, task-oriented, video-supported home exercise programme for arm function in patients in the subacute phase after stroke: protocol of a randomised controlled pilot study. <i>BMJ Open</i> , 2022, 12, e051504.	0.8	1
120	Comment on: External Validation of the PREMISE Score in the Athens Stroke Registry. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2019, 28, 104334.	0.7	0
121	THU0612...KNEE JOINT PAIN IN AN ELDERLY, HEALTHY POPULATION IS ASSOCIATED WITH INFLAMMATORY ARTICULAR AND ENTHESEAL CHANGES DETECTED BY ULTRASOUND. , 2019, , .		0
122	Ultrasound-detected inflammation is more common in clinically manifest hand osteoarthritis than in painless bony enlarged finger joints: subanalysis of the population-based Bruneck study. <i>Therapeutic Advances in Musculoskeletal Disease</i> , 2022, 14, 1759720X2210963.	1.2	0