Stefan Kiechl

List of Publications by Year
in descending order

122 papers	10,795 citations	44069 48 h-index	32842 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. New England Journal of Medicine, 2002, 347, 185-192.	27.0	993
2	Cardioprotection and lifespan extension by the natural polyamine spermidine. Nature Medicine, 2016, 22, 1428-1438.	30.7	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. Lancet, The, 2012, 379, 2053-2062.	13.7	506
4	SCORE2 risk prediction algorithms: new models to estimate 10-year risk of cardiovascular disease in Europe. European Heart Journal, 2021, 42, 2439-2454.	2.2	491
5	Lipidomics Profiling and Risk of Cardiovascular Disease in the Prospective Population-Based Bruneck Study. Circulation, 2014, 129, 1821-1831.	1.6	445
6	PCSK9 genetic variants and risk of type 2 diabetes: a mendelian randomisation study. Lancet Diabetes and Endocrinology,the, 2017, 5, 97-105.	11.4	298
7	Endothelial Cytotoxicity Mediated by Serum Antibodies to Heat Shock Proteins of Escherichia coli and Chlamydia pneumoniae. Circulation, 1999, 99, 1560-1566.	1.6	293
8	Insulin sensitivity and regular alcohol consumption: large, prospective, cross sectional population study (Bruneck study). BMJ: British Medical Journal, 1996, 313, 1040-1044.	2.3	292
9	Genome-wide analysis identifies 12 loci influencing human reproductive behavior. Nature Genetics, 2016, 48, 1462-1472.	21.4	284
10	Genetic association study of QT interval highlights role for calcium signaling pathways in myocardial repolarization. Nature Genetics, 2014, 46, 826-836.	21.4	281
11	Association of Serum Antibodies to Heat-Shock Protein 65 With Carotid Atherosclerosis. Circulation, 1999, 100, 1169-1174.	1.6	236
12	Carotid Intima-Media Thickness Progression as Surrogate Marker for Cardiovascular Risk. Circulation, 2020, 142, 621-642.	1.6	232
13	Discrimination and Net Reclassification of Cardiovascular Risk With Lipoprotein(a). Journal of the American College of Cardiology, 2014, 64, 851-860.	2.8	231
14	Oxidized Phospholipids, Lipoprotein(a), Lipoprotein-Associated Phospholipase A2 Activity, and 10-Year Cardiovascular Outcomes. Arteriosclerosis, Thrombosis, and Vascular Biology, 2007, 27, 1788-1795.	2.4	220
15	High-Sensitivity Cardiac Troponin Concentration and Risk of First-EverÂCardiovascular Outcomes inÂ154,052 Participants. Journal of the American College of Cardiology, 2017, 70, 558-568.	2.8	213
16	Blockade of receptor activator of nuclear factor-Î°B (RANKL) signaling improves hepatic insulin resistance and prevents development of diabetes mellitus. Nature Medicine, 2013, 19, 358-363.	30.7	211
17	Circulating MicroRNA-122 Is Associated With the Risk of New-Onset Metabolic Syndrome and Type 2 Diabetes. Diabetes, 2017, 66, 347-357.	0.6	199
18	The Natural Course of Atherosclerosis. Arteriosclerosis, Thrombosis, and Vascular Biology, 1999, 19, 1484-1490.	2.4	188

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19	Cardiovascular Risk Factors and Atherosclerosis in Young Males. Circulation, 2003, 108, 1064-1069.	1.6	186
20	The Natural Course of Atherosclerosis. Arteriosclerosis, Thrombosis, and Vascular Biology, 1999, 19, 1491-1498.	2.4	177
21	Leucocyte Telomere Length and Risk of Type 2 Diabetes Mellitus: New Prospective Cohort Study and Literature-Based Meta-Analysis. PLoS ONE, 2014, 9, e112483.	2.5	174
22	Very-Low-Density Lipoproteinâ€“Associated Apolipoproteins Predict Cardiovascular Events and Are Lowered by InhibitionÂofÂAPOC-III. Journal of the American College of Cardiology, 2017, 69, 789-800.	2.8	150
23	Higher spermidine intake is linked to lower mortality: a prospective population-based study. American Journal of Clinical Nutrition, 2018, 108, 371-380.	4.7	150
24	Soluble Receptor Activator of Nuclear Factor-ÎºB Ligand and Risk for Cardiovascular Disease. Circulation, 2007, 116, 385-391.	1.6	148
25	Distinct Risk Profiles of Early and Advanced Atherosclerosis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2000, 20, 529-537.	2.4	130
26	Signature of circulating microRNAs in osteoarthritis. Annals of the Rheumatic Diseases, 2015, 74, e18-e18.	0.9	130
27	Neurological outcome and quality of life 3Âmonths after COVIDâ€19: A prospective observational cohort study. European Journal of Neurology, 2021, 28, 3348-3359.	3.3	126
28	Extracellular matrix proteomics identifies molecular signature of symptomatic carotid plaques. Journal of Clinical Investigation, 2017, 127, 1546-1560.	8.2	122
29	Nicotinamide for the treatment of heart failure with preserved ejection fraction. Science Translational Medicine, 2021, 13, .	12.4	109
30	Liver microRNAs: potential mediators and biomarkers for metabolic and cardiovascular disease?. European Heart Journal, 2016, 37, 3260-3266.	2.2	108
31	Angiogenic microRNAs Linked to Incidence and Progression of Diabetic Retinopathy in Type 1 Diabetes. Diabetes, 2016, 65, 216-227.	0.6	103
32	Dietary spermidine improves cognitive function. Cell Reports, 2021, 35, 108985.	6.4	98
33	Equalization of four cardiovascular risk algorithms after systematic recalibration: individual-participant meta-analysis of 86 prospective studies. European Heart Journal, 2019, 40, 621-631.	2.2	97
34	Trajectories of Age-Related Arterial Stiffness in Chinese Men and Women. Journal of the American College of Cardiology, 2020, 75, 870-880.	2.8	94
35	Probable RBD and association with neurodegenerative disease markers: A populationâ€based study. Movement Disorders, 2015, 30, 1417-1421.	3.9	86
36	Cardiovascular Risk Factors and Atherosclerosis in Young Women. Stroke, 2009, 40, 1063-1069.	2.0	84

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37	Enzymatic lipid oxidation by eosinophils propagates coagulation, hemostasis, and thrombotic disease. Journal of Experimental Medicine, 2017, 214, 2121-2138.	8.5	78
38	Association of Variation at the ABO Locus With Circulating Levels of Soluble Intercellular Adhesion Molecule-1, Soluble P-selectin, and Soluble E-selectin. Circulation: Cardiovascular Genetics, 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. European Journal of Preventive Cardiology, 2016, 23, 194-205.	1.8	74
40	Prodromal Parkinson's disease as defined per MDS research criteria in the general elderly community. Movement Disorders, 2016, 31, 1405-1408.	3.9	71
41	Predicting Early Mortality of Acute Ischemic Stroke. Stroke, 2019, 50, 349-356.	2.0	71
42	Carotid Intima-Media Thickness Progression and Risk of Vascular Events in People With Diabetes: Results From the PROG-IMT Collaboration. Diabetes Care, 2015, 38, 1921-1929.	8.6	67
43	Lipoprotein(a) and incident type-2 diabetes: results from the prospective Bruneck study and a meta-analysis of published literature. Cardiovascular Diabetology, 2017, 16, 38.	6.8	66
44	Is Functional Outcome Different in Posterior and Anterior Circulation Stroke?. Stroke, 2018, 49, 2728-2732.	2.0	65
45	Dietary spermidine for lowering high blood pressure. Autophagy, 2017, 13, 767-769.	9.1	63
46	Prevalence and Associated Factors of Sarcopenia and Frailty in Parkinsonâ€™s Disease: A Cross-Sectional Study. Gerontology, 2019, 65, 216-228.	2.8	63
47	Plasma Concentrations of Afamin Are Associated With the Prevalence and Development of Metabolic Syndrome. Circulation: Cardiovascular Genetics, 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. Diabetes Care, 2017, 40, 1386-1393.	8.6	59
49	Neurological outcomes 1Âyear after COVIDâ€19 diagnosis: A prospective longitudinal cohort study. European Journal of Neurology, 2022, 29, 1685-1696.	3.3	57
50	Thrombolysis and clinical outcome in patients with stroke after implementation of the Tyrol Stroke Pathway: a retrospective observational study. Lancet Neurology, The, 2015, 14, 48-56.	10.2	53
51	Performance of the Movement Disorders Society criteria for prodromal Parkinson's disease: A populationâ€based 10â€year study. Movement Disorders, 2018, 33, 405-413.	3.9	53
52	Predictive value for cardiovascular events of common carotid intima media thickness and its rate of change in individuals at high cardiovascular risk â€“ Results from the PROG-IMT collaboration. PLoS ONE, 2018, 13, e0191172.	2.5	51
53	Heme Oxygenase-1 Gene Promoter Microsatellite Polymorphism Is Associated With Progressive Atherosclerosis and Incident Cardiovascular Disease. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, 229-236.	2.4	49
54	A Cytokine-Like Protein Dickkopf-Related Protein 3 Is Atheroprotective. Circulation, 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. Journal of Neurology, 2017, 264, 131-138.	3.6	47
56	A genome-wide association meta-analysis on apolipoprotein A-IV concentrations. Human Molecular Genetics, 2016, 25, 3635-3646.	2.9	46
57	Aberrant regulation of RANKL/OPG in women at high risk of developing breast cancer. Oncotarget, 2017, 8, 3811-3825.	1.8	45
58	Do Women With Atrial Fibrillation Experience More Severe Strokes?. Stroke, 2017, 48, 778-780.	2.0	44
59	Trends of r-tPA (Recombinant Tissue-Type Plasminogen Activator) Treatment and Treatment-Influencing Factors in Acute Ischemic Stroke. Stroke, 2020, 51, 1240-1247.	2.0	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. American Heart Journal, 2010, 159, 730-736.e2.	2.7	37
61	STROKE-CARD care to prevent cardiovascular events and improve quality of life after acute ischaemic stroke or TIA: A randomised clinical trial. EClinicalMedicine, 2020, 25, 100476.	7.1	35
62	The haemochromatosis gene Hfe and Kupffer cells control LDL cholesterol homeostasis and impact on atherosclerosis development. European Heart Journal, 2020, 41, 3949-3959.	2.2	32
63	Osteoprotegerin concentration and risk of cardiovascular outcomes in nine general population studies: Literature-based meta-analysis involving 26,442 participants. PLoS ONE, 2017, 12, e0183910.	2.5	31
64	Neutrophil-Derived Protein S100A8/A9 Alters the Platelet Proteome in Acute Myocardial Infarction and Is Associated With Changes in Platelet Reactivity. Arteriosclerosis, Thrombosis, and Vascular Biology, 2022, 42, 49-62.	2.4	31
65	Predictors for mild parkinsonian signs: A prospective population-based study. Parkinsonism and Related Disorders, 2015, 21, 321-324.	2.2	27
66	Phenotyping of Acute and Persistent Coronavirus Disease 2019 Features in the Outpatient Setting: Exploratory Analysis of an International Cross-sectional Online Survey. Clinical Infectious Diseases, 2022, 75, e418-e431.	5.8	24
67	Predictive value of ABCD2 and ABCD3-I scores in TIA and minor stroke in the stroke unit setting. Neurology, 2016, 87, 861-869.	1.1	23
68	Inadequate hepcidin serum concentrations predict incident type 2 diabetes mellitus. Diabetes/Metabolism Research and Reviews, 2016, 32, 187-192.	4.0	23
69	Midbrain hyperechogenicity, hyposmia, mild parkinsonian signs and risk for incident Parkinson's disease over 10 years: A prospective population-based study. Parkinsonism and Related Disorders, 2020, 70, 51-54.	2.2	23
70	The dimension of preventable stroke in a large representative patient cohort. Neurology, 2019, 93, e2121-e2132.	1.1	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. Journal of Neurology, 2018, 265, 530-534.	3.6	21
72	Who Is at Risk of Poor Mental Health Following Coronavirus Disease-19 Outpatient Management?. Frontiers in Medicine, 2022, 9, 792881.	2.6	21

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73	Aortic Elastic Properties in Preschool Children Born Preterm. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, 2268-2274.	2.4	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 â€“study protocol. BMC Neurology, 2018, 18, 187.	1.8	20
75	In a Nutshell: Findings from the Bruneck Study. Gerontology, 2019, 65, 9-19.	2.8	19
76	Risk of acute arterial and venous thromboembolic events in eosinophilic granulomatosis with polyangiitis (Churgâ€“Strauss syndrome). European Respiratory Journal, 2021, 57, 2004158.	6.7	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. Atherosclerosis, 2016, 249, 83-87.	0.8	18
78	Factors associated with impaired quality of life three months after being diagnosed with COVID-19. Quality of Life Research, 2022, 31, 1401-1414.	3.1	18
79	Characterization of gait variability in multiple system atrophy and Parkinsonâ€™s disease. Journal of Neurology, 2021, 268, 1770-1779.	3.6	18
80	Plasma Proteomics for Epidemiology. Circulation: Cardiovascular Genetics, 2017, 10, .	5.1	17
81	The Tyrolean early vascular ageing-study (EVA-Tyrol): study protocol for a non-randomized controlled trial. BMC Cardiovascular Disorders, 2020, 20, 59.	1.7	15
82	Metabolic recovery after weight loss surgery is reflected in serum microRNAs. BMJ Open Diabetes Research and Care, 2020, 8, e001441.	2.8	15
83	Prediction of infarction development after endovascular stroke therapy with dual-energy computed tomography. European Radiology, 2017, 27, 907-917.	4.5	14
84	Longer term patient management following stroke: A systematic review. International Journal of Stroke, 2021, 16, 917-926.	5.9	14
85	PCSK9 Activity Is Potentiated Through HDL Binding. Circulation Research, 2021, 129, 1039-1053.	4.5	13
86	Complex Association Between Alcohol Consumption and Myocardial Infarction. Circulation, 2014, 130, 383-386.	1.6	12
87	Potential and Caveats of Lipidomics for Cardiovascular Disease. Circulation, 2016, 134, 1651-1654.	1.6	12
88	Extracellular matrix protein signature of recurrent spontaneous cervical artery dissection. Neurology, 2020, 95, e2047-e2055.	1.1	12
89	Application of a Simple Parkinson's Disease Risk Score in a Longitudinal <scp>Populationâ€Based</scp> Cohort. Movement Disorders, 2020, 35, 1658-1662.	3.9	11
90	Application of the Updated Movement Disorder Society Criteria for Prodromal Parkinson's Disease to a Populationâ€Based 10â€Year Study. Movement Disorders, 2021, 36, 1464-1466.	3.9	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. Atherosclerosis, 2020, 305, 26-33.	0.8	10
92	Etiologic Evaluation of Ischemic Stroke in Young Adults: A Comparative Study between Two European Centers. Journal of Stroke and Cerebrovascular Diseases, 2019, 28, 1261-1266.	1.6	9
93	High-Density Lipoproteins Are the Main Carriers of PCSK9 in the Circulation. Journal of the American College of Cardiology, 2020, 75, 1495-1497.	2.8	9
94	Does subclinical inflammation contribute to impairment of function of knee joints in aged individuals? High prevalence of ultrasound inflammatory findings. Rheumatology, 2015, 54, 1622-1629.	1.9	8
95	Austrian Lipid Consensus on the management of metabolic lipid disorders to prevent vascular complications. Wiener Klinische Wochenschrift, 2016, 128, 216-228.	1.9	8
96	What Characterizes Depression in Old Age? Results from the Bruneck Study. Pharmacopsychiatry, 2018, 51, 153-160.	3.3	8
97	Cardiovascular Risk Beyond Low-Density Lipoprotein Cholesterol. Journal of the American College of Cardiology, 2018, 71, 633-635.	2.8	7
98	Cardiac sympathetic innervation in Parkinsonâ€™s disease versus multiple system atrophy. Clinical Autonomic Research, 2022, 32, 103-114.	2.5	7
99	Neuropathology of multiple system atrophy: Kurt Jellinger`s legacy. Journal of Neural Transmission, 2021, 128, 1481-1494.	2.8	6
100	Thrombectomy in basilar artery occlusion. International Journal of Stroke, 2022, 17, 1006-1012.	5.9	6
101	Synonymous mutation in adenosine triphosphatase copperâ€transporting beta causes enhanced exon skipping in Wilson disease. Hepatology Communications, 2022, 6, 1611-1619.	4.3	6
102	Predictors of Carotid Intimaâ€Media Thickness Progression in Adolescentsâ€”The EVAâ€Tyrol Study. Journal of the American Heart Association, 2021, 10, e020233.	3.7	5
103	Time trends in stroke severity in the years 2005 to 2020: results from the Austrian Stroke Unit Registry. Journal of Neurology, 2022, 269, 4396-4403.	3.6	5
104	The Prospective Studies of Atherosclerosis (Proof-ATHERO) Consortium: Design and Rationale. Gerontology, 2020, 66, 447-459.	2.8	4
105	Platelet Reactivity in Individuals Over 65 Years Old Is Not Modulated by Age. Circulation Research, 2020, 127, 394-396.	4.5	3
106	Very preterm birth results in later lower platelet activation markers. Pediatric Research, 2021, 89, 1278-1282.	2.3	3
107	Diagnostic Yield of a Systematic Vascular Health Screening Approach in Adolescents at Schools. Journal of Adolescent Health, 2022, 70, 70-76.	2.5	3
108	Associations of Gait Disorders and Recurrent Falls in Older People: A Prospective Population-Based Study. Gerontology, 2022, 68, 1139-1144.	2.8	3

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109	A multiplex pedigree with pathologically confirmed multiple system atrophy and Parkinsonâ€™s disease with dementia. Brain Communications, 2022, 4, .	3.3	3
110	Hospitalization rates, stroke unit care, and recurrence rates in Austriaâ€™s stroke cohort Epidemiologic analysis of 102,107 patients in a nation-wide acute stroke cohort between 2015 and 2019. European Stroke Journal, 2022, 7, 467-475.	5.5	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. International Dairy Journal, 2019, 97, 31-39.	3.0	2
112	A Young Woman Presenting with Encephalopathy: A Case Report. Neurocritical Care, 2020, 32, 630-632.	2.4	2
113	The Attitude towards Polypills Questionnaire (APPQ): a phase Iâ€“III development and validation study in patients with cerebrovascular disease. European Journal of Neurology, 2021, 28, 4039-4050.	3.3	2
114	Reconstruction of pseudonymized patient-trajectories in Austriaâ€™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. European Stroke Journal, 0, , 239698732211076.	5.5	2
115	Alteplase in acute ischaemic stroke: no time to slow down. Lancet Neurology, The, 2016, 15, 893-895.	10.2	1
116	Reply to Gostner and Fuchs. American Journal of Clinical Nutrition, 2019, 109, 218-219.	4.7	1
117	Orthostatic Hypotension in Parkinson's Disease: Do Height and Weight Matter?. Movement Disorders, 2021, 36, 2703-2705.	3.9	1
118	Association of adolescent lipoprotein subclass profile with carotid intima-media thickness and comparison to adults: Prospective population-based cohort studies. Atherosclerosis, 2022, 341, 34-42.	0.8	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. BMJ Open, 2022, 12, e051504.	1.9	1
120	Comment on: External Validation of the PREMISE Score in the Athens Stroke Registry. Journal of Stroke and Cerebrovascular Diseases, 2019, 28, 104334.	1.6	0
121	THU0612â€…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. Therapeutic Advances in Musculoskeletal Disease, 2022, 14, 1759720X2210963.	2.7	0