David Niederseer

List of Publications by Year in descending order

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129 papers

3,108 citations

257450 24 h-index 51 g-index

142 all docs 142 docs citations

times ranked

142

5456 citing authors

#	Article	IF	CITATIONS
1	Gut microbiome development along the colorectal adenoma–carcinoma sequence. Nature Communications, 2015, 6, 6528.	12.8	1,062
2	Health Benefits of Nordic Walking. American Journal of Preventive Medicine, 2013, 44, 76-84.	3.0	182
3	Clinical and Metabolic Characterization of Lean Caucasian Subjects With Non-alcoholic Fatty Liver. American Journal of Gastroenterology, 2017, 112, 102-110.	0.4	182
4	Iron homeostasis in the Metabolic Syndrome. European Journal of Clinical Investigation, 2013, 43, 215-224.	3.4	138
5	Detecting Moments of Stress from Measurements of Wearable Physiological Sensors. Sensors, 2019, 19, 3805.	3.8	124
6	Gender and age specific differences in exhaled isoprene levels. Respiratory Physiology and Neurobiology, 2006, 154, 478-483.	1.6	61
7	Brake response time before and after total knee arthroplasty: a prospective cohort study. BMC Musculoskeletal Disorders, 2010, 11, 267.	1.9	61
8	Physical exercise through mountain hiking in highâ€risk suicide patients. A randomized crossover trial. Acta Psychiatrica Scandinavica, 2012, 126, 467-475.	4.5	59
9	Different types of resistance training in type 2 diabetes mellitus: effects on glycaemic control, muscle mass and strength. European Journal of Preventive Cardiology, 2013, 20, 1051-1060.	1.8	50
10	Salzburg Skiing for the Elderly Study: influence of alpine skiing on aerobic capacity, strength, power, and balance. Scandinavian Journal of Medicine and Science in Sports, 2011, 21, 9-22.	2.9	42
11	Relations of vitamin D status, gender and type 2 diabetes in middle-aged Caucasians. Acta Diabetologica, 2015, 52, 39-46.	2.5	36
12	Metabolomic profiling identifies potential pathways involved in the interaction of iron homeostasis with glucose metabolism. Molecular Metabolism, 2017, 6, 38-47.	6.5	32
13	From Bench to Bedside: What Physicians Need to Know About Endothelial Progenitor Cells. American Journal of Medicine, 2011, 124, 489-497.	1.5	31
14	Supplemental Oxygen During High-Intensity Exercise Training in Nonhypoxemic Chronic Obstructive Pulmonary Disease. American Journal of Medicine, 2016, 129, 1185-1193.	1.5	31
15	NAFLD and Cardiovascular Diseases: Epidemiological, Mechanistic and Therapeutic Considerations. Journal of Clinical Medicine, 2021, 10, 467.	2.4	31
16	Beyond general resistance training. Hypertrophy versus muscular endurance training as therapeutic interventions in adults with type 2 diabetes mellitus: A systematic review and metaâ€analysis. Obesity Reviews, 2020, 21, e13007.	6.5	31
17	Salzburg Skiing for the Elderly Study: changes in cardiovascular risk factors through skiing in the elderly. Scandinavian Journal of Medicine and Science in Sports, 2011, 21, 47-55.	2.9	30
18	Metabolic Dysfunction-Associated Fatty Liver Disease (MAFLD)—Rather a Bystander Than a Driver of Mortality. Journal of Clinical Endocrinology and Metabolism, 2021, 106, 2670-2677.	3.6	29

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19	Recommendations for return to sport during the SARS-CoV-2 pandemic. BMJ Open Sport and Exercise Medicine, 2020, 6, e000858.	2.9	28
20	Nonalcoholic Fatty Liver Disease in Lean Subjects: Associations With Metabolic Dysregulation and Cardiovascular Risk—A Single-Center Cross-Sectional Study. Clinical and Translational Gastroenterology, 2021, 12, e00326.	2.5	28
21	H. pylori Infection Increases Levels of Exhaled Nitrate. Helicobacter, 2005, 10, 385-390.	3.5	27
22	Acidosis predicts mortality independently from hyperlactatemia in patients with sepsis. European Journal of Internal Medicine, 2020, 76, 76-81.	2.2	27
23	The Use of Pulse Oximetry in the Assessment of Acclimatization to High Altitude. Sensors, 2021, 21, 1263.	3.8	27
24	Effects of a 12-week alpine skiing intervention on endothelial progenitor cells, peripheral arterial tone and endothelial biomarkers in the elderly. International Journal of Cardiology, 2016, 214, 343-347.	1.7	26
25	Sports-Related Sudden Cardiac Arrest in Germany. Canadian Journal of Cardiology, 2021, 37, 105-112.	1.7	26
26	Nothing like Christmas-suicides during Christmas and other holidays in Austria. European Journal of Public Health, 2015, 25, 410-413.	0.3	25
27	Effect of alpine skiing training on tendon mechanical properties in older men and women. Scandinavian Journal of Medicine and Science in Sports, 2011, 21, 39-46.	2.9	24
28	Health effects of active commuting to work: The available evidence before GISMO. Scandinavian Journal of Medicine and Science in Sports, 2020, 30, 8-14.	2.9	24
29	Mismatch between heart failure patients in clinical trials and the real world. International Journal of Cardiology, 2013, 168, 1859-1865.	1.7	22
30	Diagnosis of Non-Alcoholic Fatty Liver Disease (NAFLD) Is Independently Associated with Cardiovascular Risk in a Large Austrian Screening Cohort. Journal of Clinical Medicine, 2020, 9, 1065.	2.4	21
31	Effects of active commuting on healthâ€related quality of life and sicknessâ€related absence. Scandinavian Journal of Medicine and Science in Sports, 2020, 30, 31-40.	2.9	19
32	Role of echocardiography in screening and evaluation of athletes. Heart, 2021, 107, 270-276.	2.9	19
33	Clinical and metabolic characterization of obese subjects without non-alcoholic fatty liver: A targeted metabolomics approach. Diabetes and Metabolism, 2019, 45, 132-139.	2.9	18
34	Liver-related Mortality is Increased in Lean Subjects with Non- alcoholic Fatty Liver Disease Compared to Overweight and Obese Subjects. Journal of Gastrointestinal and Liver Diseases, 2021, 30, 366-373.	0.9	18
35	Assessment of Artificial Intelligence in Echocardiography Diagnostics in Differentiating Takotsubo Syndrome From Myocardial Infarction. JAMA Cardiology, 2022, 7, 494.	6.1	18
36	Glucose homeostasis and cardiovascular disease biomarkers in older alpine skiers. Scandinavian Journal of Medicine and Science in Sports, 2011, 21, 56-61.	2.9	17

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37	Watching soccer is not associated with an increase in cardiac events. International Journal of Cardiology, 2013, 170, 189-194.	1.7	17
38	Measuring physical activity with activity monitors in patients with heart failure: from literature to practice. A position paper from the Committee on Exercise Physiology andÂTraining of the Heart Failure Association of the European Society of Cardiology. European Journal of Heart Failure, 2021, 23, 83-91.	7.1	17
39	Cardiopulmonary Exercise Test Parameters in Athletic Population: A Review. Journal of Clinical Medicine, 2021, 10, 5073.	2.4	16
40	Integrating Transwomen and Female Athletes with Differences of Sex Development (DSD) into Elite Competition: The FIMS 2021 Consensus Statement. Sports Medicine, 2021, 51, 1401-1415.	6.5	15
41	Knee Extensor Strength and Gait Characteristics After Minimally Invasive Unicondylar Knee Arthroplasty vs Minimally Invasive Total Knee Arthroplasty: A Nonrandomized Controlled Trial. Journal of Arthroplasty, 2016, 31, 1711-1716.	3.1	14
42	Regional differences in exercise training implementation in heart failure: findings from the Exercise Training in Heart Failure (ExTraHF) survey. European Journal of Heart Failure, 2019, 21, 1142-1148.	7.1	14
43	Mesenchymal iron deposition is associated with adverse longâ€ŧerm outcome in nonâ€alcoholic fatty liver disease. Liver International, 2020, 40, 1872-1882.	3.9	14
44	Effects of active commuting on cardiovascular risk factors: GISMO—a randomized controlled feasibility study. Scandinavian Journal of Medicine and Science in Sports, 2020, 30, 15-23.	2.9	14
45	Infographic. Clinical recommendations for return to play during the COVID-19 pandemic. British Journal of Sports Medicine, 2021, 55, 344-345.	6.7	14
46	Hiking in Suicidal Patients: Neutral Effects on Markers of Suicidality. American Journal of Medicine, 2013, 126, 927-930.	1.5	13
47	Low rate of newâ€onset primary biliary cholangitis in a cohort of antiâ€mitochondrial antibodyâ€positive subjects over six years of followâ€up. Journal of Internal Medicine, 2020, 287, 395-404.	6.0	13
48	Clinical correlates and prognostic impact of neurologic disorders in Takotsubo syndrome. Scientific Reports, 2021, 11, 23555.	3.3	13
49	A sex-specific propensity-adjusted analysis of colonic adenoma detection rates in a screening cohort. Scientific Reports, 2021, 11, 17785.	3.3	12
50	Cardiovascular Risk and Known Coronary Artery Disease Are Associated With Colorectal Adenoma and Advanced Neoplasia. Journal of the American College of Cardiology, 2017, 69, 2348-2350.	2.8	12
51	Nut consumption and the prevalence and severity of non-alcoholic fatty liver disease. PLoS ONE, 2020, 15, e0244514.	2.5	12
52	Systemic Inflammation, Vascular Function, and Endothelial Progenitor Cells after an Exercise Training Intervention in COPD. American Journal of Medicine, 2021, 134, e171-e180.	1.5	11
53	Impella versus extracorporal life support in cardiogenic shock: a propensity score adjusted analysis. ESC Heart Failure, 2021, 8, 953-961.	3.1	10
54	Recommendations for Face Coverings While Exercising During the COVID-19 Pandemic. Sports Medicine - Open, 2021, 7, 19.	3.1	10

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55	Association between Cardiovascular Risk and Diabetes with Colorectal Neoplasia: A Site-Specific Analysis. Journal of Clinical Medicine, 2018, 7, 484.	2.4	9
56	Sex-specific outcome disparities in very old patients admitted to intensive care medicine: a propensity matched analysis. Scientific Reports, 2020, 10, 18671.	3.3	9
57	Impact of exercise training and supplemental oxygen on submaximal exercise performance in patients with COPD. Scandinavian Journal of Medicine and Science in Sports, 2021, 31, 710-719.	2.9	9
58	A Novel Diagnostic Score Integrating Atrial Dimensions to Differentiate between the Athlete's Heart and Arrhythmogenic Right Ventricular Cardiomyopathy. Journal of Clinical Medicine, 2021, 10, 4094.	2.4	9
59	Athletes and Hypertension. Current Cardiology Reports, 2021, 23, 176.	2.9	9
60	Changing Metabolic Patterns along the Colorectal Adenoma–Carcinoma Sequence. Journal of Clinical Medicine, 2022, 11, 721.	2.4	9
61	Gender―and siteâ€specific differences of colorectal neoplasia relate to vitamin D. Alimentary Pharmacology and Therapeutics, 2014, 40, 1341-1348.	3.7	8
62	Parathyroid Hormone is Related to Dysplasia and a Higher Rate of Distal Colorectal Adenoma in Women but Not Men. Hormones and Cancer, 2015, 6, 153-160.	4.9	8
63	Adjustments of muscle capillarity but not mitochondrial protein with skiing in the elderly. Scandinavian Journal of Medicine and Science in Sports, 2015, 25, e360-7.	2.9	8
64	Cardiovascular effects and risks of recreational alpine skiing in the elderly. Journal of Science and Medicine in Sport, 2019, 22, S27-S33.	1.3	8
65	Merging selfâ€reported with technically sensed data for tracking mobility behavior in a naturalistic intervention study. Insights from the GISMO study. Scandinavian Journal of Medicine and Science in Sports, 2020, 30, 41-49.	2.9	8
66	What it takes to recruit 77 subjects for a oneâ€year study on active commuting. Scandinavian Journal of Medicine and Science in Sports, 2020, 30, 1090-1095.	2.9	8
67	Response to the United Nations Human Rights Council's Report on Race and Gender Discrimination in Sport: An Expression of Concern and a Call to Prioritise Research. Sports Medicine, 2021, 51, 839-842.	6.5	8
68	Ethnic comparison in takotsubo syndrome: novel insights from the International Takotsubo Registry. Clinical Research in Cardiology, 2022, 111, 186-196.	3.3	8
69	Non-alcoholic fatty liver disease is not independently associated with Helicobacter pylori in a central European screening cohort. Minerva Medica, 2023, 113 , .	0.9	8
70	Performance of Heart Failure Patients with Severely Reduced Ejection Fraction during Cardiopulmonary Exercise Testing on Treadmill and Cycle Ergometer; Similarities and Differences. International Journal of Environmental Research and Public Health, 2021, 18, 12958.	2.6	8
71	Doseâ€response relationship of active commuting to work: Results of the GISMO study. Scandinavian Journal of Medicine and Science in Sports, 2020, 30, 50-58.	2.9	7
72	Effects of active commuting to work for 12Âmonths on cardiovascular risk factors and body composition. Scandinavian Journal of Medicine and Science in Sports, 2020, 30, 24-30.	2.9	7

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73	Increased rates of myocardial infarction and deaths in men after sexual activity. International Journal of Cardiology, 2012, 156, 234-235.	1.7	6
74	PNPLA3 and SERPINA1 Variants Are Associated with Severity of Fatty Liver Disease at First Referral to a Tertiary Center. Journal of Personalized Medicine, 2021, 11, 165.	2.5	6
75	Left ventricular hypertrophy in athletes, a case-control analysis of interindividual variability. International Journal of Cardiology, 2022, 348, 157-162.	1.7	6
76	Liver-related mortality and morbidity of lean NAFLD is higher compared to overweight and obese NAFLD patients. Journal of Hepatology, 2017, 66, S149.	3.7	5
77	Prognostic role of plasma galectin-3 levels in acute coronary syndrome. European Heart Journal: Acute Cardiovascular Care, 2020, 9, 869-878.	1.0	5
78	Impact of malignancy on clinical outcomes in patients with acute coronary syndromes. International Journal of Cardiology, 2021, 328, 8-13.	1.7	5
79	Similar clinical outcome of AMA immunoblot-M2-negative compared to immunoblot-positive subjects over six years of follow-up. Postgraduate Medicine, 2021, 133, 291-298.	2.0	5
80	Concentric and Eccentric Pedaling-Type Interval Exercise on a Soft Robot for Stable Coronary Artery Disease Patients: Toward a Personalized Protocol. JMIR Research Protocols, 2019, 8, e10970.	1.0	5
81	Geographical Information Support for Health Mobility—Promoting active commuting as a novel option to counteract sedentary lifestyle. Scandinavian Journal of Medicine and Science in Sports, 2020, 30, 5-7.	2.9	4
82	Socioeconomic status matters: How can we individualize cardiac rehabilitation according to different socioeconomic needs?. European Journal of Preventive Cardiology, 2021, 28, 510-512.	1.8	4
83	PNPLA3 is the dominant SNP linked to liver disease severity at time of first referral to a tertiary center. Digestive and Liver Disease, 2022, 54, 84-90.	0.9	4
84	Variability in the Aerobic Fitness-Related Dependence on Respiratory Processes During Muscle Work Is Associated With the ACE-I/D Genotype. Frontiers in Sports and Active Living, 0, 4, .	1.8	4
85	Hepatitis C virus (HCV) infection and cardiovascular disease: Hepatologists and cardiologists need to talk!. European Journal of Internal Medicine, 2020, 71, 87-88.	2.2	3
86	The Cardiovascular Response to Interval Exercise Is Modified by the Contraction Type and Training in Proportion to Metabolic Stress of Recruited Muscle Groups. Sensors, 2021, 21, 173.	3.8	3
87	The failing heart. New England Journal of Medicine, 2007, 356, 2545; author reply 2546.	27.0	3
88	Accelerated Muscle Deoxygenation in Aerobically Fit Subjects During Exhaustive Exercise Is Associated With the ACE Insertion Allele. Frontiers in Sports and Active Living, 2022, 4, 814975.	1.8	3
89	Cardiovascular Risk Assessment by SCORE2 Predicts Risk for Colorectal Neoplasia and Tumor-Related Mortality. Journal of Personalized Medicine, 2022, 12, 848.	2.5	3
90	Symptomatic chronic obstructive pulmonary disease in clinical trials and in a population-based study. Sleep and Breathing, 2015, 19, 801-808.	1.7	2

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91	Atrial Fibrillation: A New Indicator for Advanced Colorectal Neoplasia in Screening Colonoscopy. Journal of Clinical Medicine, 2019, 8, 1083.	2.4	2
92	Safety and Effects of Crataegus Extract WS 1442 and Nordic Walking on Lipid Profile and Endothelial Function: a Randomized, Partially Blinded Pilot Study in Overweight Volunteers. Acta Clinica Croatica, 2019, 58, 604-614.	0.2	2
93	Case report of a 66-year-old woman with atypical takotsubo syndrome and concomitant coronary artery disease. BMJ Case Reports, 2020, 13, e230164.	0.5	2
94	Sudden cardiac death during mountain sports activities. Deutsche Zeitschrift Fur Sportmedizin, 2020, 71, 286-292.	0.5	2
95	Risk of Hepatitis C Virus Transmission from Patients to Healthcare Workers: A Prospective Observational Study. Infection Control and Hospital Epidemiology, 2013, 34, 759-761.	1.8	1
96	Driving ability after right-sided puncture of the common femoral artery during coronary angiography. Clinical Research in Cardiology, 2018, 107, 881-886.	3.3	1
97	P306Echocardiographic criteria of left ventricular non-compaction cardiomyopathy in black athletes from homogenous ethnic descent. European Heart Journal, 2019, 40, .	2.2	1
98	Myocardial involvement in Kugelberg–Welander disease. European Heart Journal, 2020, 41, 2716-2716.	2.2	1
99	Wearable Cardioverter–Defibrillator-Measured Step Count for the Surveillance of Physical Fitness during Cardiac Rehabilitation. Sensors, 2021, 21, 7054.	3.8	1
100	Medical Evaluation of Athletes: Exercise Testing. , 2020, , 181-201.		1
101	PNPLA3 is the dominant SNP linked to liver disease severity at time of first referral to a tertiary center. Zeitschrift Fur Gastroenterologie, 2021, 59, .	0.5	1
102	Laboratory-based versus non-laboratory-based CVD risk analysis. Lancet, The, 2008, 371, 2081.	13.7	0
103	P0985: Metabolomics profiling identifies potential pathways involved in the interaction of iron homeostasis with insulin resistance. Journal of Hepatology, 2015, 62, S716.	3.7	0
104	Su2019 Dimethylarginine Serum Concentrations Effectively Identify Subjects With Colorectal Carcinoma. Gastroenterology, 2016, 150, S613.	1.3	0
105	Comprehensive Hemodynamic Assessment in a Single Echocardiography Still Frame. Circulation: Heart Failure, 2016, 9, .	3.9	0
106	Exercise at the Extremes. Journal of the American College of Cardiology, 2016, 67, 2910-2911.	2.8	0
107	Low rate of new-onset primary biliary cholangitis in a cohort of anti-mitochondrial antibody positive subjects. Journal of Hepatology, 2017, 66, S549-S550.	3.7	0
108	High liver iron in biopsy of NAFLD patients is a predictor for cardiovascular and liver-related mortality. Journal of Hepatology, 2017, 66, S419.	3.7	0

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109	SAF score effectively identifies NAFLD subjects at high risk of subsequent liverrelated but not cardiovascular or malignancy-associated mortality and morbidity. Journal of Hepatology, 2017, 66, S425-S426.	3.7	0
110	P4468Atrial Fibrillation: a new Indicator for Advanced Colorectal Neoplasia in screening colonoscopy. European Heart Journal, 2018, 39, .	2.2	0
111	P1552High cardiovascular risk is associated with the degree of fibrosis in non alcoholic fatty liver disease. European Heart Journal, 2018, 39, .	2.2	0
112	P2480Baseline inflammatory markers, NT-proBNP and LVEF predict heart failure and cardiac death one year after acute coronary syndromes. European Heart Journal, 2018, 39, .	2.2	0
113	Histological severity is related to cardiovascular events in lean but not in overweight and obese subjects with NAFLD. Journal of Hepatology, 2018, 68, S821.	3.7	0
114	Horsepower of Doctors' Cars Correlates with Cardiovascular Risk and Sedentary Lifestyle but Not with Sexual Dysfunction or Sexual Satisfaction. International Journal of Environmental Research and Public Health, 2019, 16, 1932.	2.6	0
115	THU-294-Non-invasive measures of liver fibrosis in NAFLD is associated with cardiovascular risk. Journal of Hepatology, 2019, 70, e289-e290.	3.7	0
116	Association between non-alcoholic fatty liver disease and nut consumption. Journal of Hepatology, 2020, 73, S149.	3.7	0
117	Screening for chronic liver diseases in the general population reveals an unexpectedly high prevalence of hepatitis C and advanced NAFLD. Journal of Hepatology, 2020, 73, S325.	3.7	0
118	It is not all about mortality. Heart, 2021, 107, 596-596.	2.9	0
119	A novel diagnostic score to differentiate between athlete"s heart and ARVC. Europace, 2021, 23, .	1.7	0
120	ID: 3525491 ALCOHOL CONSUMPTION AND COLORECTAL ADENOMA - A DOSE-DEPENDENT RELATIONSHIP. Gastrointestinal Endoscopy, 2021, 93, AB102.	1.0	0
121	Diabetes Mellitus Type 2 and Cardiovascular Disease. , 2017, , 153-168.		0
122	Histological severity is related to cardiovascular events in lean but not in overweight and obese subjects with NAFLD. Zeitschrift Fur Gastroenterologie, 2018, 56, .	0.5	0
123	Patients with atrial fibrillation have a significantly increased prevalence of advanced premalignant adenomas and colorectal cancer in screening colonoscopy. , 2018, 56, .		0
124	Mortality is increased in NAFLD patients with homozygosity for PNPLA3 risk allele. , 2018, 56, .		0
125	Effects of a 12-Week Recreational Skiing Program on Cardio-Pulmonary Fitness in the Elderly: Results from the Salzburg Skiing in the Elderly Study (SASES). International Journal of Environmental Research and Public Health, 2021, 18, 11378.	2.6	0
126	Impact of Exercise on Cardiovascular Risk Factors: Diabetes Mellitus., 2020,, 769-792.		O

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127	PNPLA3 and TM6SF2 are neither associated with decreased cardiovascular nor increased liver-related mortality in the general population. , 2021, 59, .		O
128	Depressive symptoms in patients after primary and secondary prophylactic ICD implantation. Clinical Research in Cardiology, 2021, , 1.	3.3	0
129	Repolarisation in patients with ischaemic and nonischaemic cardiomyopathy: assessment of parameters of transmural dispersion of repolarisation using the 65-lead surface ECG. Cardiovascular Medicine(Switzerland), 0, , .	0.0	0