Steven J R Meex

List of Publications by Year
in descending order

54 papers	1,603 citations	279798 23 h-index	315739 38 g-index
54 all docs	54 docs citations	54 times ranked	2675 citing authors

#	Article	IF	Citations
1	Calcific aortic valve stenosis: hard disease in the heart. European Heart Journal, 2018, 39, 2618-2624.	2.2	127
2	Huh-7 or HepG2 cells: which is the better model for studying human apolipoprotein-B100 assembly and secretion?. Journal of Lipid Research, 2011, 52, 152-158.	4.2	102
3	Sex-Specific Thresholds of High-Sensitivity Troponin in Patients With Suspected Acute Coronary Syndrome. Journal of the American College of Cardiology, 2019, 74, 2032-2043.	2.8	84
4	Circulating Cardiac Troponin T Exhibits aÂDiurnal Rhythm. Journal of the American College of Cardiology, 2014, 63, 1788-1795.	2.8	78
5	Diurnal Rhythm of Cardiac Troponin: Consequences for the Diagnosis of Acute Myocardial Infarction. Clinical Chemistry, 2016, 62, 1602-1611.	3.2	71
6	Direct comparison of clinical decision limits for cardiac troponin T and I. Heart, 2016, 102, 610-616.	2.9	65
7	Prognostic value of basal high-sensitive cardiac troponin levels on mortality in the general population. Medicine (United States), 2016, 95, e5703.	1.0	64
8	Reversal of Hypoxia in Murine Atherosclerosis Prevents Necrotic Core Expansion by Enhancing Efferocytosis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, 2545-2553.	2.4	56
9	Combining High-Sensitivity Cardiac Troponin I and Cardiac Troponin T in the Early Diagnosis of Acute Myocardial Infarction. Circulation, 2018, 138, 989-999.	1.6	56
10	A comparison of machine learning models versus clinical evaluation for mortality prediction in patients with sepsis. PLoS ONE, 2021, 16, e0245157.	2.5	48
11	Activating Transcription Factor 6 Polymorphisms and Haplotypes Are Associated with Impaired Glucose Homeostasis and Type 2 Diabetes in Dutch Caucasians. Journal of Clinical Endocrinology and Metabolism, 2007, 92, 2720-2725.	3.6	45
12	Sex-Specific Versus Overall Clinical Decision Limits for Cardiac Troponin I and T for the Diagnosis of Acute Myocardial Infarction: A Systematic Review. Clinical Chemistry, 2018, 64, 1034-1043.	3.2	44
13	Origin of Cardiac Troponin T Elevations in Chronic Kidney Disease. Circulation, 2017, 136, 1073-1075.	1.6	41
14	Deficiency of the oxygen sensor prolyl hydroxylase 1 attenuates hypercholesterolaemia, atherosclerosis, and hyperglycaemia. European Heart Journal, 2016, 37, 2993-2997.	2.2	40
15	Vitamin D Status Does Not Affect Disability Progression of Patients with Multiple Sclerosis over Three Year Follow-Up. PLoS ONE, 2016, 11, e0156122.	2.5	34
16	Immature platelet fraction measured on the <scp>S</scp>ysmex <scp>XN</scp> hemocytometer predicts thrombopoietic recovery after autologous stem cell transplantation. European Journal of Haematology, 2014, 93, 150-156.	2.2	33
17	Cardiac Troponin T and I Release After a 30-km Run. American Journal of Cardiology, 2016, 118, 281-287.	1.6	33
18	Twenty-Four-Hour Biological Variation Profiles of Cardiac Troponin I in Individuals with or without Chronic Kidney Disease. Clinical Chemistry, 2017, 63, 1655-1656.	3.2	33

#	Article	IF	Citations
19	A comprehensive review of upper reference limits reported for (high-)sensitivity cardiac troponin assays: the challenges that lie ahead. Clinical Chemistry and Laboratory Medicine, 2012, 50, 791-806.	2.3	32
20	Incidence of cardiovascular disease in familial combined hyperlipidemia: A 15-year follow-up study. Atherosclerosis, 2019, 280, 1-6.	0.8	31
21	Sex Differences in Cardiac Troponin I and T and the Prediction of Cardiovascular Events in the General Population. Clinical Chemistry, 2021, 67, 1351-1360.	3.2	30
22	Strenuous exercise induces a hyperreactive rebalanced haemostatic state that is more pronounced in men. Thrombosis and Haemostasis, 2016, 115, 1109-1119.	3.4	29
23	Biological Variation of Creatinine, Cystatin C, and eGFR over 24 Hours. Clinical Chemistry, 2018, 64, 851-860.	3.2	28
24	Cardiac troponin in ischemic cardiomyocytes: Intracellular decrease before onset of cell death. Experimental and Molecular Pathology, 2014, 96, 339-345.	2.1	25
25	Decreased serial scores of severe organ failure assessments are associated with survival in mechanically ventilated patients; the prospective Maastricht Intensive Care COVID cohort. Journal of Critical Care, 2021, 62, 38-45.	2.2	25
26	Machine learning-based glucose prediction with use of continuous glucose and physical activity monitoring data: The Maastricht Study. PLoS ONE, 2021, 16, e0253125.	2.5	25
27	Upstream transcription factor 1 (USF1) in risk of type 2 diabetes: Association study in 2000 Dutch Caucasians. Molecular Genetics and Metabolism, 2008, 94, 352-355.	1.1	22
28	Within-day biological variation and hour-to-hour reference change values for hematological parameters. Clinical Chemistry and Laboratory Medicine, 2017, 55, 1013-1024.	2.3	22
29	Bicuspid Aortic Valve Stenosis and the Effect of Vitamin K2 on Calcification Using 18F-Sodium Fluoride Positron Emission Tomography/Magnetic Resonance: The BASIK2 Rationale and Trial Design. Nutrients, 2018, 10, 386.	4.1	22
30	The ATF6-Met[67]Val Substitution Is Associated With Increased Plasma Cholesterol Levels. Arteriosclerosis, Thrombosis, and Vascular Biology, 2009, 29, 1322-1327.	2.4	21
31	The effect of acute and 7-days dietary nitrate on mechanical efficiency, exercise performance and cardiac biomarkers in patients with chronic obstructive pulmonary disease. Clinical Nutrition, 2018, 37, 1852-1861.	5.0	21
32	Vitamin K Antagonists, Nonâ€“Vitamin K Antagonist Oral Anticoagulants, and Vascular Calcification in Patients with Atrial Fibrillation. TH Open, 2018, 02, e391-e398.	1.4	20
33	Estimated Glomerular Filtration Rate and Albuminuria Are Associated with Biomarkers of Cardiac Injury in a Population-Based Cohort Study: The Maastricht Study. Clinical Chemistry, 2017, 63, 887-897.	3.2	19
34	Troponin I and T in relation to cardiac injury detected with electrocardiography in a population-based cohort - The Maastricht Study. Scientific Reports, 2017, 7, 6610.	3.3	19
35	Effect of Antioxidant Supplementation on Exercise-Induced Cardiac Troponin Release in Cyclists: A Randomized Trial. PLoS ONE, 2013, 8, e79280.	2.5	19
36	Upâ€regulation of CD36/FAT in preadipocytes in familial combined hyperlipidemia. FASEB Journal, 2005, 19, 2063-2065.	0.5	16

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37	Sex-specific effects of implementing a high-sensitivity troponin I assay in patients with suspected acute coronary syndrome: results from SWEDEHEART registry. Scientific Reports, 2020, 10, 15227.	3.3	16
38	Cross-Sectional Associations Between Cardiac Biomarkers, Cognitive Performance, and Structural Brain Changes Are Modified by Age. Arteriosclerosis, Thrombosis, and Vascular Biology, 2018, 38, 1948-1958.	2.4	13
39	Biological variation of cardiac markers in patients with aortic valve stenosis. Open Heart, 2019, 6, e001040.	2.3	12
40	Incidence of type 2 diabetes in familial combined hyperlipidemia. BMJ Open Diabetes Research and Care, 2020, 8, e001107.	2.8	12
41	Biotin interference in high-sensitivity cardiac troponin T testing: a real-world evaluation in acute cardiac care. Cardiovascular Research, 2019, 115, 1950-1951.	3.8	11
42	Multiâ€Site Coronary Vein Sampling Study on Cardiac Troponin T Degradation in Nonâ€“STâ€Segmentâ€“Elevation Myocardial Infarction: Toward a More Specific Cardiac Troponin T Assay. Journal of the American Heart Association, 2019, 8, e012602.	3.7	9
43	Sex differences in investigations and outcomes among patients with type 2 myocardial infarction. Heart, 2021, 107, 1480-1486.	2.9	9
44	Strong link between basal and exercise-induced cardiac troponin T levels: Do both reflect risk?. International Journal of Cardiology, 2012, 158, 129-131.	1.7	7
45	The effect of a six-month resistance-type exercise training program on the course of high sensitive cardiac troponin T levels in (pre)frail elderly. International Journal of Cardiology, 2014, 175, 374-375.	1.7	7
46	High-Sensitivity Cardiac Troponin I and T Kinetics after Non-ST-Segment Elevation Myocardial Infarction. journal of applied laboratory medicine, The, 2020, 5, 239-241.	1.3	7
47	Biomarkers Associated With Aortic Valve Calcification: Should We Focus on Sex Specific Processes?. Frontiers in Cell and Developmental Biology, 2020, 8, 604.	3.7	5
48	Mass Spectrometric Identification of Cardiac Troponin T in Urine of Patients Suffering from Acute Myocardial Infarction. journal of applied laboratory medicine, The, 2018, 2, 857-867.	1.3	4
49	Associations of 24-Hour Urinary Sodium and Potassium Excretion with Cardiac Biomarkers: The Maastricht Study. Journal of Nutrition, 2020, 150, 1413-1424.	2.9	4
50	Large Variation in Measured Cardiac Troponin T Concentrations after Standard Addition in Serum or Plasma of Different Individuals. Clinical Chemistry, 2017, 63, 1300-1302.	3.2	2
51	Clinical laboratory practice recommendations for high-sensitivity cardiac troponin testing. Journal of Laboratory and Precision Medicine, 2018, 3, 30-30.	1.1	2
52	Labtracker+, a medical smartphone app for the interpretation of consecutive laboratory results: an external validation study. BMJ Open, 2017, 7, e015854.	1.9	1
53	Ten Years of High-Sensitivity Cardiac Troponin Testing: Impact on the Diagnosis of Myocardial Infarction. Clinical Chemistry, 2021, 67, 324-326.	3.2	1
54	Metformin and high-sensitivity cardiac troponin I and T trajectories in type 2 diabetes patients: a post-hoc analysis of a randomized controlled trial. Cardiovascular Diabetology, 2022, 21, 49.	6.8	1