Peter A Kavsak

List of Publications by Year in Descending Order

206 papers	6,486 citations	33 h-index	77 g-index
241 ext. papers	7,730 ext. citations	5.7 avg, IF	5.79 L-index

#	Paper	IF	Citations
206	Measurement in different sample types may aid in detecting interferences and macrocomplexes affecting cardiac troponin measurements.. *Clinical Chemistry and Laboratory Medicine*, **2022**,	5.9	1
205	High-Sensitivity Troponin I after Cardiac Surgery and 30-Day Mortality.. *New England Journal of Medicine*, **2022**, 386, 827-836	59.2	3
204	An Approach to Investigating Discordant High-Sensitivity Cardiac Troponin I Results. *Canadian Journal of Cardiology*, **2021**, 37, 1292-1293	3.8	7
203	Analytical assessment of ortho clinical diagnostics high-sensitivity cardiac troponin I assay. *Clinical Chemistry and Laboratory Medicine*, **2021**, 59, 749-755	5.9	7
202	Performance of the European Society of Cardiology 0/1-Hour, 0/2-Hour, and 0/3-Hour Algorithms for Rapid Triage of Acute Myocardial Infarction : An International Collaborative Meta-analysis. *Annals of Internal Medicine*, **2021**,	8	5
201	The imprecision for a high-sensitivity cardiac troponin assay and a CA 19-9 assay in samples with high C-reactive protein concentrations. *Clinica Chimica Acta*, **2021**, 524, 192-192	6.2	1
200	Combination of antibody tests against SARS-CoV-2 for health care workers after vaccination. *Clinical Biochemistry*, **2021**,	3.5	
199	Low-risk cutoff of 90 ml/min/1.73 m for the estimated glomerular filtration rate and the importance of the equation for patients with acute coronary syndrome. *Clinica Chimica Acta*, **2021**, 523, 532-533	6.2	0
198	Determination of 97.5th and 99th percentile upper reference limits for heart-type fatty acid-binding protein (H-FABP) in a US population. *Clinica Chimica Acta*, **2021**, 523, 397-401	6.2	0
197	Variability in Cardiac Biomarkers during Hemodialysis: A Prospective Cohort Study. *Clinical Chemistry*, **2021**, 67, 308-316	5.5	0
196	Impact of Switching Sample Types for High-Sensitivity Cardiac Troponin I Assays in the 0/1 Hour Algorithms. *Clinical Chemistry*, **2021**, 67, 319-321	5.5	2
195	Misclassification of Myocardial Injury by a High-Sensitivity Cardiac Troponin I Assay. *Canadian Journal of Cardiology*, **2021**, 37, 523.e7-523.e8	3.8	5
194	Acute Phase Response and Non-Reproducible Elevated Concentrations with a High-Sensitivity Cardiac Troponin I Assay. *Journal of Clinical Medicine*, **2021**, 10,	5.1	3
193	Disagreement between Cardiac Troponin Tests Yielding a Higher Incidence of Myocardial Injury in the Emergency Setting. *Journal of Cardiovascular Development and Disease*, **2021**, 8,	4.2	2
192	Additional approaches for identifying non-reproducible cardiac troponin results. *Clinical Chemistry and Laboratory Medicine*, **2021**, 59, e267-e270	5.9	3
191	Independent and combined effects of biotin and hemolysis on high-sensitivity cardiac troponin assays. *Clinical Chemistry and Laboratory Medicine*, **2021**, 59, 1431-1443	5.9	4
190	Side-Effects of COVID-19 on Patient Care: An INR Story. *journal of applied laboratory medicine, The*, **2021**, 6, 953-961	2	1

189	Important Differences Between Manufacturers When Transitioning From a Contemporary Cardiac Troponin Assay to a High-Sensitivity Cardiac Troponin Assay. *CJC Open*, **2021**, 3, 841-842	2	3
188	Biomarker Testing Considerations in the Evaluation and Management of Patients With Heart Failure: Perspectives From the International Federation of Clinical Chemistry and Laboratory Medicine Committee. *Journal of Cardiac Failure*, **2021**, 27, 1456-1461	3.3	0
187	Bleeding Independently associated with Mortality after noncardiac Surgery (BIMS): an international prospective cohort study establishing diagnostic criteria and prognostic importance. *British Journal of Anaesthesia*, **2021**, 126, 163-171	5.4	9
186	Preoperative prediction of Bleeding Independently associated with Mortality after noncardiac Surgery (BIMS): an international prospective cohort study. *British Journal of Anaesthesia*, **2021**, 126, 172-180	5.4	3
185	Cardiac Troponin Testing in Patients with COVID-19: A Strategy for Testing and Reporting Results. *Clinical Chemistry*, **2021**, 67, 107-113	5.5	14
184	Sex-Specific Kinetics of High-Sensitivity Cardiac Troponin I and T following Symptom Onset and Early Presentation in Non-ST-Segment Elevation Myocardial Infarction. *Clinical Chemistry*, **2021**, 67, 321-324	5.5	5
183	Admission High-Sensitivity Cardiac Troponin vs a Biochemical Score for Predicting Mortality in Patients With COVID-19. *CJC Open*, **2021**, 3, 130-131	2	1
182	Getting Cardiac Troponin Right: Appraisal of the 2020 European Society of Cardiology Guidelines for the Management of Acute Coronary Syndromes in Patients Presenting without Persistent ST-Segment Elevation by the International Federation of Clinical Chemistry and Laboratory Medicine Committee on Clinical Applications of Cardiac Bio-Markers. *Clinical Chemistry*, **2021**, 67, 730-735	5.5	11
181	Combination of lymphocyte count and not the serological response with high-sensitivity cardiac troponin for risk stratification in patients with possible COVID-19. *Clinica Chimica Acta*, **2021**, 519, 306-307	6.2	1
180	Letter by Hwang et al Regarding Article, "Temporal Release of High-Sensitivity Cardiac Troponin T and I and Copeptin After Brief Induced Coronary Artery Balloon Occlusion in Humans". *Circulation*, **2021**, 144, e166-e167	16.7	1
179	A Large Number of Fresh Samples and a Wide Range of Total Prostate-Specific Antigen (tPSA) Concentrations Is Important to Detect Differences in PSA Methods. *Clinical Chemistry*, **2021**, 67, 1155-1157	5.5	1
178	Repeat measurements on patient samples identifies unpredictable and poorly reproducible cardiac troponin results with a high-sensitivity cardiac troponin assay. *Annals of Clinical Biochemistry*, **2021**, 58, 677-679	2.2	1
177	The effect of the Covid-19 shutdown on glycemic testing and control. *Clinica Chimica Acta*, **2021**, 519, 148-152	6.2	0
176	Clinical chemistry score misses fewer deaths as compared to troponin T alone in a United States emergency department population. *Clinical Biochemistry*, **2021**, 95, 91-92	3.5	1
175	206: A Randomized Phase Ii Trial of Prostate Boost Irradiation with Stereotactic Body Radiotherapy (SBRT) in High-Risk Prostate Cancer. The Pbs Trial. *Radiotherapy and Oncology*, **2020**, 150, S87-S88	5.3	
174	Emerging key laboratory tests for patients with COVID-19. *Clinical Biochemistry*, **2020**, 81, 13-14	3.5	13
173	A Three-Site Immunoassay for High-Sensitivity Cardiac Troponin I with Low Immunoreactivity for Macrocomplexes. *Clinical Chemistry*, **2020**, 66, 854-855	5.5	6
172	High-Sensitivity Cardiac Troponin T Testing and Cardiovascular Outcomes at 30 Days and 1 Year in Patients Discharged Home from the Emergency Department with Chest Pain. *journal of applied laboratory medicine, The*, **2020**, 5, 821-824	2	1

171	Analytical performance of cardiac troponin assays - Current status and future needs. *Clinica Chimica Acta*, **2020**, 509, 149-155	6.2	7
170	Caution When Using High-Sensitivity Cardiac Troponin I Assay to Rule Out Acute Ischemia: When the Delta to Rule In Is Within Analytical Variation. *Canadian Journal of Cardiology*, **2020**, 36, 1161.e11-1161.e12	3.8	9
169	Comparison of two biomarker only algorithms for early risk stratification in patients with suspected acute coronary syndrome. *International Journal of Cardiology*, **2020**, 319, 140-143	3.2	6
168	High-Sensitivity Cardiac Troponin I vs a Clinical Chemistry Score for Predicting All-Cause Mortality in an Emergency Department Population. *CJC Open*, **2020**, 2, 296-302	2	5
167	Macrocomplexes and high-sensitivity cardiac troponin assays in samples stored for over 15 years. *Clinica Chimica Acta*, **2020**, 505, 6-8	6.2	10
166	A Randomized Phase II Trial of Prostate Boost Irradiation With Stereotactic Body Radiotherapy (SBRT) or Conventional Fractionation (CF) External Beam Radiotherapy (EBRT) in Locally Advanced Prostate Cancer: The PBS Trial (NCT03380806). *Clinical Genitourinary Cancer*, **2020**, 18, e410-e415	3.3	3
165	Clinical evaluation of Ortho Clinical Diagnostics high-sensitivity cardiac Troponin I assay in patients with symptoms suggestive of acute coronary syndrome. *Clinical Biochemistry*, **2020**, 80, 48-51	3.5	11
164	Clinical chemistry tests for patients with COVID-19 - important caveats for interpretation. *Clinical Chemistry and Laboratory Medicine*, **2020**, 58, 1142-1143	5.9	6
163	Using the clinical chemistry score in the emergency department to detect adverse cardiac events: a diagnostic accuracy study. *CMAJ Open*, **2020**, 8, E676-E684	2.5	7
162	Clinical outcomes for chest pain patients discharged home from emergency departments using high-sensitivity versus conventional cardiac troponin assays. *American Heart Journal*, **2020**, 221, 84-94	4.9	4
161	Association of plasma-soluble ST2 and galectin-3 with cardiovascular events and mortality following cardiac surgery. *American Heart Journal*, **2020**, 220, 253-263	4.9	4
160	Canadian society of clinical chemists (CSCC) interim consensus guidance for testing and reporting of SARS-CoV-2 serology. *Clinical Biochemistry*, **2020**, 86, 1-7	3.5	11
159	Biomarkers for coronary artery disease and heart failure **2020**, 519-543		1
158	Preoperative N-Terminal Pro-B-Type Natriuretic Peptide and Cardiovascular Events After Noncardiac Surgery: A Cohort Study. *Annals of Internal Medicine*, **2020**, 172, 96-104	8	43
157	Detection of repeated positive result biases for a high-sensitivity cardiac troponin I assay. *Clinica Chimica Acta*, **2020**, 510, 242-243	6.2	3
156	Commercial Quality Control Imprecision Estimates for High-Sensitivity Cardiac Troponin Deltas Used to Rule-in Myocardial Infarction with the ESC 0/1-Hour Algorithm. *journal of applied laboratory medicine, The*, **2020**, 5, 1122-1124	2	5
155	Lot-to-Lot Variation for Commercial High-Sensitivity Cardiac Troponin: Can We Realistically Report Down to the Assay Limit of Detection?. *Clinical Chemistry*, **2020**, 66, 1146-1149	5.5	3
154	High-Sensitivity Cardiac Troponin-Optimizing the Diagnosis of Acute Myocardial Infarction/Injury in Women (CODE-MI): Rationale and design for a multicenter, stepped-wedge, cluster-randomized trial. *American Heart Journal*, **2020**, 229, 18-28	4.9	4

153	Risk Stratification for Patients with Chest Pain Discharged Home from the Emergency Department. *Journal of Clinical Medicine*, **2020**, 9,	5.1	3
152	Definitions of post-coronary artery bypass grafting myocardial infarction: variations in incidence and prognostic significance. *European Journal of Cardio-thoracic Surgery*, **2020**, 57, 168-175	3	6
151	A post-hoc subgroup analysis assessing acute cardiac biomarker profiles in female cancer patients during adjuvant therapy. *Clinica Chimica Acta*, **2019**, 495, 355-357	6.2	0
150	Analytical characterization of the Siemens Dimension EXL high-sensitivity cardiac troponin I assay. *Clinical Biochemistry*, **2019**, 69, 52-56	3.5	8
149	The PROTROPIC feasibility study: prognostic value of elevated troponins in critical illness. *Canadian Journal of Anaesthesia*, **2019**, 66, 648-657	3	
148	Four Different High-Sensitivity Cardiac Troponin Assays With Important Analytical Performance Differences. *Canadian Journal of Cardiology*, **2019**, 35, 796.e17-796.e18	3.8	7
147	Effect of Storage Temperature for B-Type Natriuretic Peptide Concentrations for Primary Healthcare Populations. *Clinical Chemistry*, **2019**, 65, 811-812	5.5	2
146	High-Sensitivity Generation 5 Cardiac Troponin T Sex- and Age-Specific 99th Percentiles in the CALIPER Cohort of Healthy Children and Adolescents. *Clinical Chemistry*, **2019**, 65, 589-591	5.5	22
145	Educational Recommendations on Selected Analytical and Clinical Aspects of Natriuretic Peptides with a Focus on Heart Failure: A Report from the IFCC Committee on Clinical Applications of Cardiac Bio-Markers. *Clinical Chemistry*, **2019**, 65, 1221-1227	5.5	11
144	The importance of the methodology and sample matrix when interpreting chromogranin A results. *Clinical Chemistry and Laboratory Medicine*, **2019**, 57, e291-e293	5.9	
143	Long-term quality control testing on a high-sensitivity cardiac troponin I assay. *Clinica Chimica Acta*, **2019**, 498, 27-29	6.2	1
142	Rapid atrophy of cardiac left ventricular mass in patients with non-small cell carcinoma of the lung. *Journal of Cachexia, Sarcopenia and Muscle*, **2019**, 10, 1070-1082	10.3	10
141	A heterophile antibody affecting a contemporary but not a high-sensitivity cardiac troponin assay. *Clinical Biochemistry*, **2019**, 71, 72-73	3.5	2
140	A Multicenter Assessment of the Sensitivity and Specificity for a Single High-Sensitivity Cardiac Troponin Test at Emergency Department Presentation for Hospital Admission. *journal of applied laboratory medicine, The*, **2019**, 4, 170-179	2	6
139	Application of High-Sensitivity Troponin in Suspected Myocardial Infarction. *New England Journal of Medicine*, **2019**, 380, 2529-2540	59.2	134
138	Measurement of High-Sensitivity Cardiac Troponin in Pulmonary Embolism: Useful Test or a Clinical Distraction. *Seminars in Thrombosis and Hemostasis*, **2019**, 45, 784-792	5.3	7
137	Analytical Variation and Abbott Diagnostics High-Sensitivity Cardiac Troponin I Risk Categories in Asymptomatic Individuals. *Canadian Journal of Cardiology*, **2019**, 35, 1605.e7-1605.e8	3.8	4
136	Longitudinal High-Sensitivity Cardiac Troponin I Measurements in Patients With Breast Cancer Receiving Trastuzumab. *Canadian Journal of Cardiology*, **2019**, 35, 545.e1-545.e2	3.8	3

135	Between-day versus within-day imprecision using the Abbott high-sensitivity cardiac troponin I assay at concentrations around 5 ng/l. *Clinica Chimica Acta*, **2019**, 489, 58-60	6.2	5
134	Sample matrix and high-sensitivity cardiac troponin I assays. *Clinical Chemistry and Laboratory Medicine*, **2019**, 57, 745-751	5.9	13
133	Pre-analytical variables affecting discordant results on repeat sample testing for cardiac troponin I. *Clinical Biochemistry*, **2019**, 63, 158-160	3.5	6
132	Cardiac troponin and natriuretic peptide analytical interferences from hemolysis and biotin: educational aids from the IFCC Committee on Cardiac Biomarkers (IFCC C-CB). *Clinical Chemistry and Laboratory Medicine*, **2019**, 57, 633-640	5.9	27
131	Sex-specific, high-sensitivity cardiac troponin T cut-off concentrations for ruling out acute myocardial infarction with a single measurement. *Canadian Journal of Emergency Medicine*, **2019**, 21, 26-33	0.6	9
130	Clinical Laboratory Practice Recommendations for the Use of Cardiac Troponin in Acute Coronary Syndrome: Expert Opinion from the Academy of the American Association for Clinical Chemistry and the Task Force on Clinical Applications of Cardiac Bio-Markers of the International Federation of Clinical Chemistry and Laboratory Medicine. *Clinical Chemistry*, **2018**, 64, 645-655	5.5	211
129	Chloride and Other Electrolyte Concentrations in Commonly Available 5% Albumin Products. *Critical Care Medicine*, **2018**, 46, e326-e329	1.4	6
128	Performance of high-sensitivity cardiac troponin in the emergency department for myocardial infarction and a composite cardiac outcome across different estimated glomerular filtration rates. *Clinica Chimica Acta*, **2018**, 479, 166-170	6.2	14
127	Assessing matrix, interferences and comparability between the Abbott Diagnostics and the Beckman Coulter high-sensitivity cardiac troponin I assays. *Clinical Chemistry and Laboratory Medicine*, **2018**, 56, 1176-1181	5.9	20
126	Comprehensive Age and Sex 99th Percentiles for a High-Sensitivity Cardiac Troponin I Assay. *Clinical Chemistry*, **2018**, 64, 398-399	5.5	9
125	External Quality Assessment Testing Near the Limit of Detection for High-Sensitivity Cardiac Troponin Assays. *Clinical Chemistry*, **2018**, 64, 1402-1404	5.5	11
124	Perioperative heart-type fatty acid binding protein concentration cutoffs for the identification of severe acute kidney injury in patients undergoing cardiac surgery. *Clinical Chemistry and Laboratory Medicine*, **2018**, 57, e8-e10	5.9	1
123	Differences in total PSA results within and between manufacturers. *Clinical Biochemistry*, **2018**, 60, 91-92	3.5	1
122	Development of biomarker combinations for postoperative acute kidney injury via Bayesian model selection in a multicenter cohort study. *Biomarker Research*, **2018**, 6, 3	8	6
121	Multicenter comparison of imprecision at low concentrations of two regulatory approved high-sensitivity cardiac troponin I assays. *Clinica Chimica Acta*, **2018**, 486, 219-220	6.2	10
120	Clinical chemistry score versus high-sensitivity cardiac troponin I and T tests alone to identify patients at low or high risk for myocardial infarction or death at presentation to the emergency department. *Cmaj*, **2018**, 190, E974-E984	3.5	23
119	Variability Between Reagent Lots for High-Sensitivity Cardiac Troponin I May Affect Performance of Early Rule Out Strategies. *Canadian Journal of Cardiology*, **2018**, 34, 209.e5-209.e6	3.8	19
118	Analytical validation of cardiac troponin I assays in horses. *Journal of Veterinary Diagnostic Investigation*, **2018**, 30, 226-232	1.5	8

117	High-sensitivity cardiac troponin concentrations at emergency department presentation in females and males with an acute cardiac outcome. *Annals of Clinical Biochemistry*, **2018**, 55, 604-607	2.2	3
116	Contemporary Emergency Department Management of Patients with Chest Pain: A Concise Review and Guide for the High-Sensitivity Troponin Era. *Canadian Journal of Cardiology*, **2018**, 34, 98-108	3.8	25
115	Macrocomplexes and discordant high-sensitivity cardiac troponin concentrations. *Annals of Clinical Biochemistry*, **2018**, 55, 500-504	2.2	27
114	Evaluation of the Siemens ADVIA Centaur high-sensitivity cardiac troponin I assay in serum. *Clinica Chimica Acta*, **2018**, 487, 216-221	6.2	18
113	The importance of tumour marker dual reporting during method transition: PSA high-dose hook effect detected. *Clinical Biochemistry*, **2018**, 61, 45-46	3.5	1
112	The potential role of a turbidimetric heart-type fatty acid-binding protein assay to aid in the interpretation of persistently elevated, non-changing, cardiac troponin I concentrations. *Clinical Biochemistry*, **2018**, 58, 53-59	3.5	10
111	Profile of Roche® Elecsys Troponin T Gen 5 STAT blood test (a high-sensitivity cardiac troponin assay) for diagnosing myocardial infarction in the emergency department. *Expert Review of Molecular Diagnostics*, **2018**, 18, 481-489	3.8	11
110	Economic Considerations of Early Rule-In/Rule-Out Algorithms for The Diagnosis of Myocardial Infarction in The Emergency Department Using Cardiac Troponin and Glycemic Biomarkers. *Clinical Chemistry*, **2017**, 63, 593-602	5.5	9
109	Plasma Monocyte Chemotactic Protein-1 Is Associated With Acute Kidney Injury and Death After Cardiac Operations. *Annals of Thoracic Surgery*, **2017**, 104, 613-620	2.7	34
108	Simulation Models of Misclassification Error for Single Thresholds of High-Sensitivity Cardiac Troponin I Due to Assay Bias and Imprecision. *Clinical Chemistry*, **2017**, 63, 585-592	5.5	37
107	Effect of Repeat Measurements of High-Sensitivity Cardiac Troponin on the Same Sample Using the European Society of Cardiology 0-Hour/1-Hour or 2-Hour Algorithms for Early Rule-Out and Rule-In for Myocardial Infarction. *Clinical Chemistry*, **2017**, 63, 1163-1165	5.5	19
106	Association of Postoperative High-Sensitivity Troponin Levels With Myocardial Injury and 30-Day Mortality Among Patients Undergoing Noncardiac Surgery. *JAMA - Journal of the American Medical Association*, **2017**, 317, 1642-1651	27.4	320
105	Response by Than et al to Letter Regarding Article, "Assessment of the European Society of Cardiology 0-Hour/1-Hour Algorithm to Rule-Out and Rule-In Acute Myocardial Infarction". *Circulation*, **2017**, 135, e923-e924	16.7	
104	Comparative Evaluation of 2-Hour Rapid Diagnostic Algorithms for Acute Myocardial Infarction Using High-Sensitivity Cardiac Troponin T. *Canadian Journal of Cardiology*, **2017**, 33, 1006-1012	3.8	21
103	High-Sensitivity Cardiac Troponin Risk Cutoffs for Acute Cardiac Outcomes at Emergency Department Presentation. *Canadian Journal of Cardiology*, **2017**, 33, 898-903	3.8	15
102	Undetectable Concentrations of a Food and Drug Administration-approved High-sensitivity Cardiac Troponin T Assay to Rule Out Acute Myocardial Infarction at Emergency Department Arrival. *Academic Emergency Medicine*, **2017**, 24, 1267-1277	3.4	27
101	Total Analytic Error for Low Cardiac Troponin Concentrations (≤10 ng/L) by Use of a High-Sensitivity Cardiac Troponin Assay. *Clinical Chemistry*, **2017**, 63, 1043-1045	5.5	34
100	A laboratory score at presentation to rule-out serious cardiac outcomes or death in patients presenting with symptoms suggestive of acute coronary syndrome. *Clinica Chimica Acta*, **2017**, 469, 69-74	6.2	7

99	Best Practices for Monitoring Cardiac Troponin in Detecting Myocardial Injury. *Clinical Chemistry*, **2017**, 63, 37-44	5.5	7
98	Rule-In and Rule-Out of Myocardial Infarction Using Cardiac Troponin and Glycemic Biomarkers in Patients with Symptoms Suggestive of Acute Coronary Syndrome. *Clinical Chemistry*, **2017**, 63, 403-414	5.5	26
97	Can 100 papers over 50years tell the story of a scientific journal?. *Clinical Biochemistry*, **2017**, 50, 1-5	3.5	0
96	Variability and Error in Cardiac Troponin Testing: An ACLPS Critical Review. *American Journal of Clinical Pathology*, **2017**, 148, 281-295	1.9	43
95	High-STEACS Algorithm missed fewer patients with acute MI than the ESC Pathway in the ED. *Annals of Internal Medicine*, **2017**, 167, JC34	8	1
94	4 hs-cTnI algorithms had high sensitivity and low failure rates for ruling out acute MI in the ED. *Annals of Internal Medicine*, **2017**, 167, JC35	8	
93	Effect of a low glycemic index diet versus a high-cereal fibre diet on markers of subclinical cardiac injury in healthy individuals with type 2 diabetes mellitus: An exploratory analysis of a randomized dietary trial. *Clinical Biochemistry*, **2017**, 50, 1104-1109	3.5	5
92	Analytical comparison of three different versions of a high-sensitivity cardiac troponin I assay over 10years. *Clinica Chimica Acta*, **2017**, 475, 51-55	6.2	19
91	Targeted metabolomics in colorectal cancer: a strategic approach using standardized laboratory tests of the blood and urine. *Hypoxia (Auckland, N Z)*, **2017**, 5, 61-66	2.1	3
90	Relationship of Kidney Injury Biomarkers with Long-Term Cardiovascular Outcomes after Cardiac Surgery. *Journal of the American Society of Nephrology: JASN*, **2017**, 28, 3699-3707	12.7	39
89	Association of High-Sensitivity Cardiac Troponin I Concentration With Cardiac Outcomes in Patients With Suspected Acute Coronary Syndrome. *JAMA - Journal of the American Medical Association*, **2017**, 318, 1913-1924	27.4	117
88	Stressing the Utility of High-Sensitivity Cardiac Troponin Testing in Patients with Possible Cardiac Ischemia. *journal of applied laboratory medicine, The*, **2017**, 1, 468-470	2	
87	Assessment of the European Society of Cardiology 0-Hour/1-Hour Algorithm to Rule-Out and Rule-In Acute Myocardial Infarction. *Circulation*, **2016**, 134, 1532-1541	16.7	84
86	Acceptable Analytical Variation May Exceed High-Sensitivity Cardiac Troponin I Cutoffs in Early Rule-Out and Rule-In Acute Myocardial Infarction Algorithms. *Clinical Chemistry*, **2016**, 62, 887-9	5.5	41
85	Association of cardiac biomarkers with acute kidney injury after cardiac surgery: A multicenter cohort study. *Journal of Thoracic and Cardiovascular Surgery*, **2016**, 152, 245-251.e4	1.5	24
84	A STAR-Document for those interested in evaluating diagnostic research studies. *Annals of Translational Medicine*, **2016**, 4, 45	3.2	2
83	The International Committee of Medical Journal Editors proposal for sharing clinical trial data and the possible implications for the peer review process. *Annals of Translational Medicine*, **2016**, 4, 115	3.2	11
82	Cytokines and cell adhesion molecules exhibit distinct profiles in health, ovarian cancer, and breast cancer. *Heliyon*, **2016**, 2, e00059	3.6	2

81	Validation of presentation and 3 h high-sensitivity troponin to rule-in and rule-out acute myocardial infarction. *Heart*, **2016**, 102, 1270-8	5.1	60
80	Hospital Admission and Myocardial Injury Prevalence after the Clinical Introduction of a High-Sensitivity Cardiac Troponin I Assay. *Clinical Chemistry*, **2015**, 61, 1209-10	5.5	8
79	Matrix and bilirubin interference for high-sensitivity cardiac troponin I. *Clinica Chimica Acta*, **2015**, 442, 49-51	6.2	17
78	Perioperative heart-type fatty acid binding protein is associated with acute kidney injury after cardiac surgery. *Kidney International*, **2015**, 88, 576-83	9.9	21
77	Presenting characteristics of patients undergoing cardiac troponin measurements in the emergency department. *Canadian Journal of Emergency Medicine*, **2015**, 17, 62-6	0.6	2
76	Interleukin-6 and interleukin-10 as acute kidney injury biomarkers in pediatric cardiac surgery. *Pediatric Nephrology*, **2015**, 30, 1519-27	3.2	41
75	Cardiac biomarkers and acute kidney injury after cardiac surgery. *Pediatrics*, **2015**, 135, e945-56	7.4	37
74	Plasma IL-6 and IL-10 Concentrations Predict AKI and Long-Term Mortality in Adults after Cardiac Surgery. *Journal of the American Society of Nephrology: JASN*, **2015**, 26, 3123-32	12.7	102
73	Negative interference of N-acetyl cysteine (NAC) on selected chemistries on the Abbott architect platform. *Clinica Chimica Acta*, **2015**, 451, 219-21	6.2	
72	An approach to rule-out an acute cardiovascular event or death in emergency department patients using outcome-based cutoffs for high-sensitivity cardiac troponin assays and glucose. *Clinical Biochemistry*, **2015**, 48, 282-7	3.5	10
71	A practical approach for the validation and clinical implementation of a high-sensitivity cardiac troponin I assay across a North American city. *Practical Laboratory Medicine*, **2015**, 1, 28-34	1.7	33
70	Within-run precision and outlier detection for the Abbott ARCHITECT cardiac troponin I assay. *Annals of Clinical Biochemistry*, **2014**, 51, 512-4	2.2	8
69	Centrifugation--an important pre-analytical factor for the Abbott Architect high-sensitivity cardiac troponin I assay. *Clinica Chimica Acta*, **2014**, 436, 273-5	6.2	11
68	International comparisons of acute myocardial infarction. *Lancet, The*, **2014**, 384, 304	40	
67	A randomized phase II study of cediranib alone versus cediranib in combination with dasatinib in docetaxel resistant, castration resistant prostate cancer patients. *Investigational New Drugs*, **2014**, 32, 1005-16	4.3	21
66	Assessing the necessity of including a crossover period with dual reporting when changing total prostate-specific antigen methods. *Clinical Biochemistry*, **2014**, 47, 897-900	3.5	6
65	Analytical factors to consider when assessing a high-sensitivity cardiac troponin I assay compared to a contemporary assay in clinical studies. *Clinica Chimica Acta*, **2014**, 429, 6-7	6.2	19
64	Myocardial injury after noncardiac surgery: a large, international, prospective cohort study establishing diagnostic criteria, characteristics, predictors, and 30-day outcomes. *Anesthesiology*, **2014**, 120, 564-78	4.3	509

63	Canadian Institutes of Health Research dissemination grant on high-sensitivity cardiac troponin. *Clinical Biochemistry*, **2014**, 47, 155-7	3.5	4
62	Assessment of the 99th or 97.5th percentile for cardiac troponin I in a healthy pediatric cohort. *Clinical Chemistry*, **2014**, 60, 1574-6	5.5	12
61	Root cause analysis of delays to discharge for patients held for serial cardiac troponin levels. *Canadian Journal of Emergency Medicine*, **2014**, 16, 20-4	0.6	3
60	High-sensitivity cardiac troponin I for predicting death in a female emergency department population. *Clinical Chemistry*, **2014**, 60, 271-3	5.5	18
59	Predicting myocardial infarction and other serious cardiac outcomes using high-sensitivity cardiac troponin T in a high-risk stable population. *Clinical Biochemistry*, **2013**, 46, 5-9	3.5	39
58	Considerations for establishing a reference interval for elderly individuals in the emergency department with the high-sensitivity cardiac troponin T assay. *Clinica Chimica Acta*, **2013**, 421, 85-6	6.2	3
57	Comparison of hs-cTnI, hs-cTnT, hFABP and GPBB for identifying early adverse cardiac events in patients presenting within six hours of chest pain-onset. *Clinica Chimica Acta*, **2013**, 419, 39-41	6.2	12
56	Implications of adjustment of high-sensitivity cardiac troponin T assay. *Clinical Chemistry*, **2013**, 59, 574-6	5.5	29
55	High-five for high-sensitivity cardiac troponin T: depends on the precision and analytical platform. *JAMA Internal Medicine*, **2013**, 173, 477	11.5	7
54	Ninety-minute vs 3-h performance of high-sensitivity cardiac troponin assays for predicting hospitalization for acute coronary syndrome. *Clinical Chemistry*, **2013**, 59, 1407-10	5.5	21
53	Persistent increases in cardiac troponin concentrations as measured with high-sensitivity assays after acute myocardial infarction. *Clinical Chemistry*, **2013**, 59, 443-5	5.5	4
52	Cardiac and inflammation biomarker profile after initiation of adjuvant trastuzumab therapy. *Clinical Chemistry*, **2013**, 59, 327-9	5.5	7
51	Assessment of a four hour delay for urine samples stored without preservatives at room temperature for urinalysis. *Clinical Biochemistry*, **2012**, 45, 856-8	3.5	7
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