Peter A Kavsak

List of Publications by Citations

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	Smad7 binds to Smurf2 to form an E3 ubiquitin ligase that targets the TGF beta receptor for degradation. *Molecular Cell*, **2000**, 6, 1365-75	17.6	1090
205	A SMAD ubiquitin ligase targets the BMP pathway and affects embryonic pattern formation. *Nature* , **1999**, 400, 687-93	50.4	690
204	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
203	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
202	TGF-beta induces assembly of a Smad2-Smurf2 ubiquitin ligase complex that targets SnoN for degradation. *Nature Cell Biology*, **2001**, 3, 587-95	23.4	267
201	Regulation of Smurf2 ubiquitin ligase activity by anchoring the E2 to the HECT domain. *Molecular Cell*, **2005**, 19, 297-308	17.6	229
200	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	5.5	211
199	Assessing the requirement for the 6-hour interval between specimens in the American Heart Association Classification of Myocardial Infarction in Epidemiology and Clinical Research Studies. *Clinical Chemistry*, **2006**, 52, 812-8	5.5	151
198	Analytic and clinical utility of a next-generation, highly sensitive cardiac troponin I assay for early detection of myocardial injury. *Clinical Chemistry*, **2009**, 55, 573-7	5.5	140
197	Application of High-Sensitivity Troponin in Suspected Myocardial Infarction. *New England Journal of Medicine*, **2019**, 380, 2529-2540	59.2	134
196	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
195	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
194	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
193	Short- and long-term risk stratification using a next-generation, high-sensitivity research cardiac troponin I (hs-cTnI) assay in an emergency department chest pain population. *Clinical Chemistry*, **2009**, 55, 1809-15	5.5	76
192	High-sensitivity cardiac troponin I measurement for risk stratification in a stable high-risk population. *Clinical Chemistry*, **2011**, 57, 1146-53	5.5	68
191	High sensitivity troponin T concentrations in patients undergoing noncardiac surgery: a prospective cohort study. *Clinical Biochemistry*, **2011**, 44, 1021-4	3.5	67
190	The impact of the ESC/ACC redefinition of myocardial infarction and new sensitive troponin assays on the frequency of acute myocardial infarction. *American Heart Journal*, **2006**, 152, 118-25	4.9	67

189	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
188	Long-term health outcomes associated with detectable troponin I concentrations. *Clinical Chemistry*, **2007**, 53, 220-7	5.5	56
187	Effects of contemporary troponin assay sensitivity on the utility of the early markers myoglobin and CKMB isoforms in evaluating patients with possible acute myocardial infarction. *Clinica Chimica Acta*, **2007**, 380, 213-6	6.2	52
186	Risk stratification for heart failure and death in an acute coronary syndrome population using inflammatory cytokines and N-terminal pro-brain natriuretic peptide. *Clinical Chemistry*, **2007**, 53, 2112-8	5.5	47
185	Variability and Error in Cardiac Troponin Testing: An ACLPS Critical Review. *American Journal of Clinical Pathology*, **2017**, 148, 281-295	1.9	43
184	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
183	Elevated C-reactive protein in acute coronary syndrome presentation is an independent predictor of long-term mortality and heart failure. *Clinical Biochemistry*, **2007**, 40, 326-9	3.5	42
182	Interleukin-6 and interleukin-10 as acute kidney injury biomarkers in pediatric cardiac surgery. *Pediatric Nephrology*, **2015**, 30, 1519-27	3.2	41
181	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
180	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
179	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
178	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
177	Cardiac biomarkers and acute kidney injury after cardiac surgery. *Pediatrics*, **2015**, 135, e945-56	7.4	37
176	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
175	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
174	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
173	2007 universal myocardial infarction definition change criteria for risk stratification by use of a high-sensitivity cardiac troponin I assay. *Clinical Chemistry*, **2010**, 56, 487-9	5.5	30
172	Implications of adjustment of high-sensitivity cardiac troponin T assay. *Clinical Chemistry*, **2013**, 59, 574-6	5.5	29

171	Increasing cardiac troponin changes measured by a research high-sensitivity troponin I assay: absolute vs percentage changes and long-term outcomes in a chest pain cohort. *Clinical Chemistry*, **2010**, 56, 1902-4	5.5	28
170	Incomplete pediatric reference intervals for the management of patients with inborn errors of metabolism. *Clinical Biochemistry*, **2006**, 39, 595-9	3.5	28
169	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
168	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
167	Macrocomplexes and discordant high-sensitivity cardiac troponin concentrations. *Annals of Clinical Biochemistry*, **2018**, 55, 500-504	2.2	27
166	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
165	PAPP-A as a marker of increased long-term risk in patients with chest pain. *Clinical Biochemistry*, **2009**, 42, 1012-8	3.5	25
164	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
163	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
162	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
161	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
160	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
159	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
158	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
157	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
156	Health outcomes categorized by current and previous definitions of acute myocardial infarction in an unselected cohort of troponin-naïve emergency department patients. *Clinical Chemistry*, **2006**, 52, 2028-35	5.5	21
155	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
154	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

153	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
152	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
151	Biomarkers for predicting serious cardiac outcomes at 72 hours in patients presenting early after chest pain onset with symptoms of acute coronary syndromes. *Clinical Chemistry*, **2012**, 58, 298-302	5.5	19
150	Challenges of implementing point-of-care testing (POCT) glucose meters in a pediatric acute care setting. *Clinical Biochemistry*, **2004**, 37, 811-7	3.5	19
149	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
148	High-sensitivity cardiac troponin I for predicting death in a female emergency department population. *Clinical Chemistry*, **2014**, 60, 271-3	5.5	18
147	Assessing pneumatic tube systems with patient-specific populations and laboratory-derived criteria. *Clinical Chemistry*, **2012**, 58, 792-5	5.5	18
146	Evaluation of the Siemens ADVIA Centaur high-sensitivity cardiac troponin I assay in serum. *Clinica Chimica Acta*, **2018**, 487, 216-221	6.2	18
145	Matrix and bilirubin interference for high-sensitivity cardiac troponin I. *Clinica Chimica Acta*, **2015**, 442, 49-51	6.2	17
144	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
143	Effect of freeze-thaw and refrigeration conditions on high-sensitivity troponin T concentrations. *Annals of Clinical Biochemistry*, **2012**, 49, 101-2	2.2	15
142	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
141	Cytokine elevations in acute coronary syndrome and ovarian cancer: a mechanism for the up-regulation of the acute phase proteins in these different disease etiologies. *Clinical Biochemistry* , **2008**, 41, 607-10	3.5	14
140	Pediatric feeding and swallowing problems: an interdisciplinary team approach. *Canadian Journal of Dietetic Practice and Research*, **2006**, 67, 185-90	1.3	14
139	Cardiac Troponin Testing in Patients with COVID-19: A Strategy for Testing and Reporting Results. *Clinical Chemistry*, **2021**, 67, 107-113	5.5	14
138	Emerging key laboratory tests for patients with COVID-19. *Clinical Biochemistry*, **2020**, 81, 13-14	3.5	13
137	"Upstream markers" provide for early identification of patients at high risk for myocardial necrosis and adverse outcomes. *Clinica Chimica Acta*, **2008**, 387, 133-8	6.2	13
136	Sample matrix and high-sensitivity cardiac troponin I assays. *Clinical Chemistry and Laboratory Medicine*, **2019**, 57, 745-751	5.9	13

135	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
134	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
133	Is a pattern of increasing biomarker concentrations important for long-term risk stratification in acute coronary syndrome patients presenting early after the onset of symptoms?. *Clinical Chemistry* , **2008**, 54, 747-51	5.5	12
132	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
131	External Quality Assessment Testing Near the Limit of Detection for High-Sensitivity Cardiac Troponin Assays. *Clinical Chemistry*, **2018**, 64, 1402-1404	5.5	11
130	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
129	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
128	Dichotomizing high-sensitivity cardiac troponin T results and important analytical considerations. *Journal of the American College of Cardiology*, **2012**, 59, 1570; author reply 1571-2	15.1	11
127	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
126	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
125	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
124	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
123	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
122	Macrocomplexes and high-sensitivity cardiac troponin assays in samples stored for over 15 years. *Clinica Chimica Acta*, **2020**, 505, 6-8	6.2	10
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	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
119	High sensitivity cardiac troponin concentration cutoffs--is a healthy population the right reference population for those with underlying cardiac disease?. *Clinical Biochemistry*, **2010**, 43, 1037-8	3.5	10
118	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

117	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
116	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
115	Comprehensive Age and Sex 99th Percentiles for a High-Sensitivity Cardiac Troponin I Assay. *Clinical Chemistry*, **2018**, 64, 398-399	5.5	9
114	Identification of myocardial injury in the emergency setting. *Clinical Biochemistry*, **2010**, 43, 539-44	3.5	9
113	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
112	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
111	Analytical characterization of the Siemens Dimension EXL high-sensitivity cardiac troponin I assay. *Clinical Biochemistry*, **2019**, 69, 52-56	3.5	8
110	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
109	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
108	Sensitive and high sensitivity cardiac troponin I concentrations in the Heart Outcomes Prevention Evaluation (HOPE) study--a high risk population. *Clinica Chimica Acta*, **2010**, 411, 1832	6.2	8
107	The use of a cytokine panel to define the long-term risk stratification of heart failure/death in patients presenting with chest pain to the emergency department. *Clinical Biochemistry*, **2010**, 43, 505-7	3.5	8
106	Analytical validation of cardiac troponin I assays in horses. *Journal of Veterinary Diagnostic Investigation*, **2018**, 30, 226-232	1.5	8
105	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
104	Best Practices for Monitoring Cardiac Troponin in Detecting Myocardial Injury. *Clinical Chemistry*, **2017**, 63, 37-44	5.5	7
103	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
102	An Approach to Investigating Discordant High-Sensitivity Cardiac Troponin I Results. *Canadian Journal of Cardiology*, **2021**, 37, 1292-1293	3.8	7
101	Analytical performance of cardiac troponin assays - Current status and future needs. *Clinica Chimica Acta*, **2020**, 509, 149-155	6.2	7
100	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

99	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
98	High-five for high-sensitivity cardiac troponin T: depends on the precision and analytical platform. *JAMA Internal Medicine*, **2013**, 173, 477	11.5	7
97	Cardiac and inflammation biomarker profile after initiation of adjuvant trastuzumab therapy. *Clinical Chemistry*, **2013**, 59, 327-9	5.5	7
96	Analytical assessment of ortho clinical diagnostics high-sensitivity cardiac troponin I assay. *Clinical Chemistry and Laboratory Medicine*, **2021**, 59, 749-755	5.9	7
95	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
94	A Three-Site Immunoassay for High-Sensitivity Cardiac Troponin I with Low Immunoreactivity for Macrocomplexes. *Clinical Chemistry*, **2020**, 66, 854-855	5.5	6
93	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
92	Chloride and Other Electrolyte Concentrations in Commonly Available 5% Albumin Products. *Critical Care Medicine*, **2018**, 46, e326-e329	1.4	6
91	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
90	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
89	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
88	For a rapid diagnosis of acute myocardial infarction, a sensitive troponin assay is needed in the near-patient testing setting. *Expert Review of Cardiovascular Therapy*, **2012**, 10, 309-12	2.5	6
87	Clinical chemistry tests for patients with COVID-19 - important caveats for interpretation. *Clinical Chemistry and Laboratory Medicine*, **2020**, 58, 1142-1143	5.9	6
86	Pre-analytical variables affecting discordant results on repeat sample testing for cardiac troponin I. *Clinical Biochemistry*, **2019**, 63, 158-160	3.5	6
85	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
84	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
83	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
82	Biochip arrays for the discovery of a biomarker surrogate in a phase I/II study assessing a novel anti-metastasis agent. *Clinical Biochemistry*, **2009**, 42, 1162-5	3.5	5

81	Letter by Kavsak and MacRae regarding article, "Utility of absolute and relative changes in cardiac troponin concentrations in the early diagnosis of acute myocardial infarction". *Circulation*, **2012**, 125, e358; author reply e359	16.7	5
80	Vascular versus myocardial dysfunction in acute coronary syndrome: are the adhesion molecules as powerful as NT-proBNP for long-term risk stratification?. *Clinical Biochemistry*, **2008**, 41, 436-9	3.5	5
79	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
78	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
77	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
76	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
75	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
74	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
73	Canadian Institutes of Health Research dissemination grant on high-sensitivity cardiac troponin. *Clinical Biochemistry*, **2014**, 47, 155-7	3.5	4
72	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
71	AuthorsOresponse to Apple editorial. *Clinica Chimica Acta*, **2007**, 380, 245-6	6.2	4
70	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
69	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
68	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
67	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
66	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: ThePBS Trial (NCT03380806). *Clinical Genitourinary Cancer*, **2020**, 18, e410-e415	3.3	3
65	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
64	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

63	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
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61	Another potential marker linking gender and cardiac mortality: PAPP-A--a new marker in risk stratification for women presenting with chest pain. *Clinica Chimica Acta*, **2009**, 408, 139-40	6.2	3
60	High-sensitivity cardiac troponin assays--change is important. *Clinical Chemistry*, **2012**, 58, 311-3; author reply 313-4	5.5	3
59	Detection of repeated positive result biases for a high-sensitivity cardiac troponin I assay. *Clinica Chimica Acta*, **2020**, 510, 242-243	6.2	3
58	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
57	Risk Stratification for Patients with Chest Pain Discharged Home from the Emergency Department. *Journal of Clinical Medicine*, **2020**, 9,	5.1	3
56	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
55	Additional approaches for identifying non-reproducible cardiac troponin results. *Clinical Chemistry and Laboratory Medicine*, **2021**, 59, e267-e270	5.9	3
54	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
53	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
52	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
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