Stephen W Smith

List of Publications by Year in descending order

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		117625	118850
129	4,360	34	62
papers	citations	h-index	g-index
100	100	100	2222
132	132	132	3900
all docs	docs citations	times ranked	citing authors

#	Article	IF	CITATIONS
1	High-sensitivity cardiac troponin I at presentation in patients with suspected acute coronary syndrome: a cohort study. Lancet, The, 2015, 386, 2481-2488.	13.7	422
2	Adverse Events, Including Death, Associated with the Use of 1,4-Butanediol. New England Journal of Medicine, 2001, 344, 87-94.	27.0	230
3	Role of Monitoring Changes in Sensitive Cardiac Troponin I Assay Results for Early Diagnosis of Myocardial Infarction and Prediction of Risk of Adverse Events. Clinical Chemistry, 2009, 55, 930-937.	3.2	195
4	Diagnosis of ST-Elevation Myocardial Infarction in the Presence of Left Bundle Branch Block With the ST-Elevation to S-Wave Ratio in a Modified Sgarbossa Rule. Annals of Emergency Medicine, 2012, 60, 766-776.	0.6	170
5	Metabolic Acidosis in Restraintâ€associated Cardiac ArrestA Case Series. Academic Emergency Medicine, 1999, 6, 239-243.	1.8	154
6	Use of the Centaur Tnl-Ultra Assay for Detection of Myocardial Infarction and Adverse Events in Patients Presenting With Symptoms Suggestive of Acute Coronary Syndrome. Clinical Chemistry, 2008, 54, 723-728.	3.2	149
7	Machine Learning to Predict the Likelihood of Acute Myocardial Infarction. Circulation, 2019, 140, 899-909.	1.6	128
8	Supply/Demand Type 2 Myocardial Infarction. Journal of the American College of Cardiology, 2014, 63, 2079-2087.	2.8	123
9	Awakening and Withdrawal of Life-Sustaining Treatment in Cardiac Arrest Survivors Treated With Therapeutic Hypothermia*. Critical Care Medicine, 2014, 42, 2493-2499.	0.9	117
10	Case series of 226 γ-hydroxybutyrate–associated deaths: lethal toxicity and trauma. American Journal of Emergency Medicine, 2011, 29, 319-332.	1.6	116
11	Whole-bowel irrigation as a treatment for acute lithium overdose. Annals of Emergency Medicine, 1991, 20, 536-539.	0.6	108
12	Type 1 and 2 Myocardial Infarction and Myocardial Injury: Clinical Transition to High-Sensitivity Cardiac Troponin I. American Journal of Medicine, 2017, 130, 1431-1439.e4.	1.5	95
13	Patient selection for high sensitivity cardiac troponin testing and diagnosis of myocardial infarction: prospective cohort study. BMJ: British Medical Journal, 2017, 359, j4788.	2.3	92
14	Cardiac troponin changes to distinguish type 1 and type 2 myocardial infarction and 180-day mortality risk. European Heart Journal: Acute Cardiovascular Care, 2014, 3, 317-325.	1.0	84
15	Droperidol vs. Prochlorperazine for Benign Headaches in the Emergency Department. Academic Emergency Medicine, 2001, 8, 873-879.	1.8	82
16	Present and Future of Cardiac Troponin in Clinical Practice: A Paradigm Shift to High-Sensitivity Assays. American Journal of Medicine, 2016, 129, 354-365.	1.5	74
17	Successful Use of Propofol in Refractory Delirium Tremens. Annals of Emergency Medicine, 1997, 30, 825-828.	0.6	72
18	Three deaths associated with use of Xyrem®. Sleep Medicine, 2009, 10, 490-493.	1.6	70

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19	Validation of the modified Sgarbossa criteria for acute coronary occlusion in the setting of left bundle branch block: A retrospective case-control study. American Heart Journal, 2015, 170, 1255-1264.	2.7	70
20	A deep neural network learning algorithm outperforms a conventional algorithm for emergency department electrocardiogram interpretation. Journal of Electrocardiology, 2019, 52, 88-95.	0.9	69
21	New Insights Into the Use of the 12-Lead Electrocardiogram for Diagnosing Acute Myocardial Infarction in the Emergency Department. Canadian Journal of Cardiology, 2018, 34, 132-145.	1.7	61
22	Electrocardiographic Differentiation of Early Repolarization From Subtle Anterior ST-Segment Elevation Myocardial Infarction. Annals of Emergency Medicine, 2012, 60, 45-56.e2.	0.6	60
23	Diagnosis of Type 1 and Type 2 Myocardial Infarction Using a High-Sensitivity Cardiac Troponin I Assay with Sex-Specific 99th Percentiles Based on the Third Universal Definition of Myocardial Infarction Classification System. Clinical Chemistry, 2015, 61, 657-663.	3.2	60
24	Assessment of the Multiple-Biomarker Approach for Diagnosis of Myocardial Infarction in Patients Presenting with Symptoms Suggestive of Acute Coronary Syndrome. Clinical Chemistry, 2009, 55, 93-100.	3.2	58
25	Use of esmolol after failure of standard cardiopulmonary resuscitation to treat patients with refractory ventricular fibrillation. Resuscitation, 2014, 85, 1337-1341.	3.0	58
26	Renal Dysfunction Influences the Diagnostic and Prognostic Performance of High-Sensitivity Cardiac Troponin I. Journal of the American Society of Nephrology: JASN, 2018, 29, 636-643.	6.1	58
27	Single High-Sensitivity Cardiac Troponin I to Rule Out Acute Myocardial Infarction. American Journal of Medicine, 2017, 130, 1076-1083.e1.	1.5	54
28	Successful Management of Excited Delirium Syndrome with Prehospital Ketamine: Two Case Examples. Prehospital Emergency Care, 2013, 17, 274-279.	1.8	51
29	Comparison of the ST-Elevation Myocardial Infarction (STEMI) vs. NSTEMI and Occlusion MI (OMI) vs. NOMI Paradigms of Acute MI. Journal of Emergency Medicine, 2021, 60, 273-284.	0.7	49
30	Rapid Rule-Out of Acute Myocardial Injury Using a Single High-Sensitivity Cardiac Troponin I Measurement. Clinical Chemistry, 2017, 63, 369-376.	3.2	45
31	High-sensitivity cardiac troponin assays and unstable angina. European Heart Journal: Acute Cardiovascular Care, 2018, 7, 120-128.	1.0	41
32	Sumatriptan for the treatment of undifferentiated primary headaches in the ED. American Journal of Emergency Medicine, 2007, 25, 60-64.	1.6	39
33	Discordance between ICD-Coded Myocardial Infarction and Diagnosis according to the Universal Definition of Myocardial Infarction. Clinical Chemistry, 2017, 63, 415-419.	3.2	39
34	Diagnostic Performance of High Sensitivity Compared with Contemporary Cardiac Troponin I for the Diagnosis of Acute Myocardial Infarction. Clinical Chemistry, 2017, 63, 1594-1604.	3.2	36
35	Relief of Imminent Respiratory Failure from Upper Airway Obstruction by Use of Heliumâ€Oxygen: A Case Series and Brief Review. Academic Emergency Medicine, 1999, 6, 953-956.	1.8	34
36	Emergency Physicianâ€performed Ultrasonographyâ€guided Hip Arthrocentesis. Academic Emergency Medicine, 1999, 6, 84-86.	1.8	33

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37	T/QRS ratio best distinguishes ventricular aneurysm from anterior myocardial infarction. American Journal of Emergency Medicine, 2005, 23, 279-287.	1.6	31
38	Delta changes for optimizing clinical specificity and 60-day risk of adverse events in patients presenting with symptoms suggestive of acute coronary syndrome utilizing the ADVIA Centaur TnI-Ultra assay. Clinical Biochemistry, 2012, 45, 711-713.	1.9	31
39	ST depression in lead aVL differentiates inferior ST-elevation myocardial infarction from pericarditis. American Journal of Emergency Medicine, 2016, 34, 149-154.	1.6	30
40	Incidence of Undetectable, Measurable, and Increased Cardiac Troponin I Concentrations Above the 99th Percentile Using a High-Sensitivity vs a Contemporary Assay in Patients Presenting to the Emergency Department. Clinical Chemistry, 2016, 62, 1115-1119.	3.2	29
41	A new 4-variable formula to differentiate normal variant ST segment elevation in V2-V4 (early) Tj ETQq1 1 0.7843 V2 improves the model. Journal of Electrocardiology, 2017, 50, 561-569.	0.9 014 rgBT	Overlock 10 29
42	Physostigmine for gamma-hydroxybutyrate coma: Inefficacy, adverse events, and review. Clinical Toxicology, 2007, 45, 261-265.	1.9	28
43	Agitation is common in Î ³ -hydroxybutyrate toxicity. American Journal of Emergency Medicine, 2005, 23, 316-320.	1.6	27
44	Accuracy of OMI ECG findings versus STEMI criteria for diagnosis of acute coronary occlusion myocardial infarction. IJC Heart and Vasculature, 2021, 33, 100767.	1.1	27
45	Electrocardiographic criteria to differentiate acute anterior ST-elevation myocardial infarction from left ventricular aneurysm. American Journal of Emergency Medicine, 2015, 33, 786-790.	1.6	24
46	A new electrocardiographic pattern indicating inferior myocardial infarction. Journal of Electrocardiology, 2020, 61, 41-46.	0.9	24
47	Electrocardiographic Diagnosis of Acute Coronary Occlusion Myocardial Infarction in Ventricular Paced Rhythm Using the Modified Sgarbossa Criteria. Annals of Emergency Medicine, 2021, 78, 517-529.	0.6	24
48	High-Sensitivity Cardiac Troponin Concentrations at Presentation in Patients With ST-Segment Elevation Myocardial Infarction. JAMA Cardiology, 2020, 5, 1302.	6.1	23
49	Cardiac Troponin Testing in Patients with COVID-19: A Strategy for Testing and Reporting Results. Clinical Chemistry, 2021, 67, 107-113.	3.2	23
50	ST Segment Elevation Differs Depending on the Method of Measurement. Academic Emergency Medicine, 2006, 13, 406-412.	1.8	21
51	Dlagnostic accuracy oF electrocardiogram for acute coronary OCClUsion resuLTing in myocardial infarction (DIFOCCULT Study). IJC Heart and Vasculature, 2020, 30, 100603.	1.1	21
52	Use of the bioMérieux VIDAS® troponin I ultra assay for the diagnosis of myocardial infarction and detection of adverse events in patients presenting with symptoms suggestive of acute coronary syndrome. Clinica Chimica Acta, 2008, 390, 72-75.	1.1	20
53	Central versus local adjudication of myocardial infarction in a cardiac biomarker trial. American Heart Journal, 2013, 165, 273-279.e1.	2.7	20
54	The Incidence of QT Prolongation and Torsades des Pointes in Patients Receiving Droperidol in an Urban Emergency Department. Western Journal of Emergency Medicine, 2020, 21, 728-736.	1.1	20

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55	Use of objective evidence of myocardial ischemia to facilitate the diagnostic and prognostic distinction between type 2 myocardial infarction and myocardial injury. European Heart Journal: Acute Cardiovascular Care, 2020, 9, 62-69.	1.0	19
56	STEMI: A transitional fossil in MI classification?. Journal of Electrocardiology, 2021, 65, 163-169.	0.9	19
57	Severe Sepsis in the Emergency Department and Its Association with a Complicated Clinical Course. Academic Emergency Medicine, 1998, 5, 1169-1176.	1.8	18
58	Emergency Department Skull Trephination for Epidural Hematoma in Patients Who Are Awake But Deteriorate Rapidly. Journal of Emergency Medicine, 2010, 39, 377-383.	0.7	18
59	Prospective, real-world evidence showing the gap between ST elevation myocardial infarction (STEMI) and occlusion MI (OMI). International Journal of Cardiology, 2019, 293, 48-49.	1.7	18
60	A deep neural network for 12-lead electrocardiogram interpretation outperforms a conventional algorithm, and its physician overread, in the diagnosis of atrial fibrillation. IJC Heart and Vasculature, 2019, 25, 100423.	1,1	18
61	Acute Coronary Syndromes. Emergency Medicine Clinics of North America, 2006, 24, 53-89.	1.2	17
62	Comparison of the QRS Complex, ST-Segment, and T-Wave Among Patients with Left Bundle Branch Block with and without Acute Myocardial Infarction. Journal of Emergency Medicine, 2016, 51, 1-8.	0.7	16
63	Terminal QRS distortion is present in anterior myocardial infarction but absent in early repolarization. American Journal of Emergency Medicine, 2016, 34, 2182-2185.	1.6	15
64	Risk Estimation in Type 2 Myocardial Infarction and Myocardial Injury: The TARRACO Risk Score. American Journal of Medicine, 2019, 132, 217-226.	1.5	15
65	An Impedance Threshold Device Increases Blood Pressure in Hypotensive Patients. Journal of Emergency Medicine, 2011, 41, 549-558.	0.7	14
66	The effect of targeted temperature management on QT and corrected QT intervals in patients with cardiac arrest. Journal of Critical Care, 2017, 39, 182-184.	2.2	14
67	Outcome of low-risk patients discharged home after a normal cardiac troponin I. Journal of Emergency Medicine, 2004, 26, 401-406.	0.7	13
68	Electronic Medical Record–Based Performance Improvement Project to Document and Reduce Excessive Cardiac Troponin Testing. Clinical Chemistry, 2015, 61, 498-504.	3.2	13
69	Recognizing electrocardiographically subtle occlusion myocardial infarction and differentiating it from mimics: Ten steps to or away from cath lab. , 2021, 49, 488-500.		13
70	A Risk Assessment Score and Initial Highâ€sensitivity Troponin Combine to Identify Low Risk of Acute Myocardial Infarction in the Emergency Department. Academic Emergency Medicine, 2018, 25, 434-443.	1.8	12
71	Time for a new paradigm shift in myocardial infarction. Anatolian Journal of Cardiology, 2021, 25, 156-162.	0.9	12
72	Distinctive ECG patterns in healthy black adults. Journal of Electrocardiology, 2019, 56, 15-23.	0.9	11

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73	Diagnostic performance of a rapid, novel, whole blood, point of care high-sensitivity cardiac troponin I assay for myocardial infarction. Clinical Biochemistry, 2022, 105-106, 70-74.	1.9	11
74	Cardiorespiratory Consequences of the Hobble Restraint. Academic Emergency Medicine, 1999, 6, 1076-1077.	1.8	10
75	Emergency physicians should be shown all triage ECGs, even those with a computer interpretation of "Normal― Journal of Electrocardiology, 2019, 54, 79-81.	0.9	10
76	Ischemic STâ€Segment Depression Maximal in V1–V4 (Versus V5–V6) of Any Amplitude Is Specific for Occlusion Myocardial Infarction (Versus Nonocclusive Ischemia). Journal of the American Heart Association, 2021, 10, e022866.	3.7	10
77	Type 2 myocardial infarction. Potential hazards of nomenclature systems: User discretion advised. International Journal of Cardiology, 2015, 179, 373-374.	1.7	9
78	ST-elevation Acute Myocardial Infarction; A Critical but Difficult Electrocardiographic Diagnosis. Academic Emergency Medicine, 2001, 8, 382-385.	1.8	8
79	Updates on the Electrocardiogram in Acute Coronary Syndromes. Current Emergency and Hospital Medicine Reports, 2013, 1, 43-52.	1.5	8
80	Appropriateness of Cardiac Troponin Testing: Insights from the Use of TROPonin In Acute coronary syndromes (UTROPIA) Study. American Journal of Medicine, 2019, 132, 869-874.	1.5	8
81	Acute myocardial infarction with left bundle-branch block: disproportional anterior ST elevation due to right ventricular myocardial infarction in the presence of left bundle-branch block. American Journal of Emergency Medicine, 2008, 26, 342-347.	1.6	7
82	Type 2 Myocardial Infarction: The Next Frontier. American Journal of Medicine, 2014, 127, e19.	1.5	7
83	Commenting on"a review of tolerability and abuse liability of gamma-hydroxybutyric acid for insomnia in patients with schizophrenia," by Kantrowitzet al. Clinical Therapeutics, 2010, 32, 780-785.	2.5	6
84	Refractory Hypotension and "Ventricular Fibrillation―With Large U Waves After Overdose. JAMA Internal Medicine, 2016, 176, 1007.	5.1	6
85	Posterior reperfusion T-waves: Wellens' syndrome of the posterior wall. Emergency Medicine Journal, 2017, 34, 119-123.	1.0	6
86	The STEMI/NonSTEMI Dichotomy needs to be replaced by Occlusion MI vs. Non-Occlusion MI. International Journal of Cardiology, 2021, 330, 15.	1.7	6
87	Comment on "The Abrupt Cessation of Therapeutically Administered Sodium Oxybate (GHB) May Cause Withdrawal Symptoms― Journal of Toxicology: Clinical Toxicology, 2004, 42, 121-123.	1.5	5
88	Among patients with left bundle branch block, T-wave peak to T-wave end time is prolonged in the presence of acute coronary occlusion. International Journal of Cardiology, 2017, 236, 1-4.	1.7	5
89	ECG reading differences demonstrated on two databases. Journal of Electrocardiology, 2021, 69, 75-78.	0.9	5
90	Rapid Diagnosis of STEMI Equivalent in Patients With Left Bundleâ€Branch Block: Is It Feasible?. Journal of the American Heart Association, 2021, 10, e023275.	3.7	5

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91	Clinical use of cardiac troponin for acute cardiac care and emerging opportunities in the outpatient setting. Minerva Medica, 2019, 110, 139-156.	0.9	5
92	In Reply: Propofol in Delirium Tremens. Annals of Emergency Medicine, 1998, 32, 271-272.	0.6	4
93	A Patient With a Paced Rhythm Presenting With Chest Pain and Hypotension. JAMA Internal Medicine, 2013, 173, 2082.	5.1	4
94	Evaluation of T-Wave Morphology in Patients With Left Bundle Branch Block and Suspected Acute Coronary Syndrome. Journal of Emergency Medicine, 2016, 51, 229-237.	0.7	4
95	Proximal RCA occlusion producing anterior ST segment elevation, Q waves, and T wave inversion. Journal of Electrocardiology, 2018, 51, 511-515.	0.9	4
96	Spectrum and frequency of critical procedures performed at a Level I adult and pediatric trauma center. American Journal of Emergency Medicine, 2020, 44, 272-276.	1.6	4
97	Diagnosis of Occlusion Myocardial Infarction in Patients with Left Bundle Branch Block and Paced Rhythms. Current Cardiology Reports, 2021, 23, 187.	2.9	4
98	Interobserver variability among experienced electrocardiogram readers to diagnose acute thrombotic coronary occlusion in patients with out of hospital cardiac arrest: Impact of metabolic milieu and angiographic culprit. Resuscitation, 2022, 172, 24-31.	3.0	4
99	Dynamic T-wave inversions in the setting of left bundle branch block. American Journal of Emergency Medicine, 2017, 35, 938.e5-938.e7.	1.6	3
100	Response to: "A new electrocardiographic pattern indicating inferior myocardial infarction― Journal of Electrocardiology, 2022, 73, 148-149.	0.9	3
101	Incidence and Prognostic Impact of Infection in Patients with Type 1 and 2 Myocardial Infarction. Clinical Chemistry, 2020, 66, 1240-1241.	3.2	3
102	Do not disregard the initial 12 lead ECG after out-of-hospital cardiac arrest: It predicts angiographic culprit despite metabolic abnormalities. Resuscitation Plus, 2020, 4, 100032.	1.7	3
103	Rapid Identification of Patients at High Risk for Acute Myocardial Infarction Using a Single High-Sensitivity Cardiac Troponin I Measurement. Clinical Chemistry, 2020, 66, 620-622.	3.2	3
104	Unsupported "Efficacy" Claims of Gamma Hydroxybutyrate (GHB). Academic Emergency Medicine, 2003, 10, 95-96.	1.8	2
105	A Patient With a Biventricular Pacemaker Presenting With Chest Pain. JAMA Internal Medicine, 2015, 175, 1053.	5.1	2
106	"Persistent Juvenile―T-Wave Pattern May Not Be Persistent: Case Series and Literature Review. Journal of Emergency Medicine, 2015, 49, e165-e172.	0.7	2
107	Differences in Electrocardiographic Findings Between Acute Isolated Right Ventricular Myocardial Infarction and Acute Anterior Myocardial Infarction. JAMA Internal Medicine, 2016, 176, 1875.	5.1	2
108	12-Lead ECG interpretation by database comparison. Journal of Electrocardiology, 2019, 57, S79-S85.	0.9	2

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109	Bizarre T Waves. JACC: Case Reports, 2021, 3, 1376-1378.	0.6	2
110	Images in emergency medicine. Annals of Emergency Medicine, 2006, 48, 17.	0.6	1
111	Ongoing Challenges with Type 2 Myocardial Infarction. American Journal of Medicine, 2016, 129, e155.	1.5	1
112	No Room for Error: Empiric Treatment for Fulminant Pneumonia. Clinical Practice and Cases in Emergency Medicine, 2017, 1, 136-139.	0.3	1
113	Recognition of Subtle ECG Manifestations of Left Anterior Descending Coronary Artery Occlusion. Annals of Emergency Medicine, 2018, 71, 795-796.	0.6	1
114	In inferior myocardial infarction, neither ST elevation in lead V1 nor ST depression in lead I are reliable findings for the diagnosis of right ventricular infarction. Journal of Electrocardiology, 2018, 51, 977-980.	0.9	1
115	Emergency Department Patients With a Prolonged Corrected <scp>QT</scp> Interval Do Not Have Increased Thirtyâ€day Mortality. Academic Emergency Medicine, 2019, 26, 818-822.	1.8	1
116	Methodological considerations for potential improvement of this study. Heart, 2019, 105, 1682-1682.	2.9	1
117	Post-arrest wide complex rhythm: What is the cause of death?. American Journal of Emergency Medicine, 2020, 45, 683.e5-683.e7.	1.6	1
118	The feasibility of bedside transvaginal ultrasonography in non-pregnant women in the emergency department. American Journal of Emergency Medicine, 2021, 46, 398-403.	1.6	1
119	Screening for QT Prolongation in the Emergency Department: Is There a Better "Rule of Thumb?― Western Journal of Emergency Medicine, 2020, 21, 226-232.	1.1	1
120	Laboratory findings in a child with SARS-CoV-2 (COVID-19) multisystem inflammatory syndrome. Clinical Chemistry and Laboratory Medicine, 2021, 59, e259-e261.	2.3	1
121	Emergency physicians should interpret every triage ECG, including those with a computer interpretation of $\hat{a} \in \alpha$ normala \hat{e}_{i} American Journal of Emergency Medicine, 2022, 55, 180-182.	1.6	1
122	Regarding manuscript: "Incidence, angiographic features, and outcomes of patients presenting with subtle ST-elevation myocardial infarction― American Heart Journal, 2015, 169, e9.	2.7	0
123	The authors reply. Critical Care Medicine, 2015, 43, e121-e122.	0.9	0
124	Author response to comments regarding "ST depression in lead aVL differentiates inferior ST elevation myocardial infarction from pericarditis― American Journal of Emergency Medicine, 2016, 34, 1310.	1.6	0
125	Gastroesophageal Reflux?. Clinical Chemistry, 2017, 63, 438-439.	3.2	0
126	Not All Electrocardiographic Variants in Black Patients Can be Considered "Normal― American Journal of Cardiology, 2018, 121, 1012-1013.	1.6	0

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127	Response to: "Limitations of Retrospective Chart Reviews to Determine Rare Events, and the Unknown Relative Risk of Droperidol― Western Journal of Emergency Medicine, 2021, 22, 396-397.	1.1	0
128	An unusual case of epistaxis in a four month old. American Journal of Emergency Medicine, 2021, 47, 228-230.	1.6	0
129	In Response to The Influence of Serial ECG on the Test Characteristics of the Sgarbossa Criteria in Ventricular Paced Rhythms (published in Annals volume 78, issue 6). Annals of Emergency Medicine, 2022, 79, 89-90.	0.6	0