

# Matthew Churpek

## List of Publications by Year in descending order

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Version: 2024-02-01

88  
papers

5,307  
citations

94433

37  
h-index

91884

69  
g-index

91  
all docs

91  
docs citations

91  
times ranked

6899  
citing authors

#	ARTICLE	IF	CITATIONS
1	Quick Sepsis-related Organ Failure Assessment, Systemic Inflammatory Response Syndrome, and Early Warning Scores for Detecting Clinical Deterioration in Infected Patients outside the Intensive Care Unit. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017, 195, 906-911.	5.6	496
2	Multicenter Comparison of Machine Learning Methods and Conventional Regression for Predicting Clinical Deterioration on the Wards. <i>Critical Care Medicine</i> , 2016, 44, 368-374.	0.9	423
3	Incidence and Prognostic Value of the Systemic Inflammatory Response Syndrome and Organ Dysfunctions in Ward Patients. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2015, 192, 958-964.	5.6	267
4	The Development of a Machine Learning Inpatient Acute Kidney Injury Prediction Model*. <i>Critical Care Medicine</i> , 2018, 46, 1070-1077.	0.9	214
5	Multicenter Development and Validation of a Risk Stratification Tool for Ward Patients. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2014, 190, 649-655.	5.6	203
6	Big Data and Data Science in Critical Care. <i>Chest</i> , 2018, 154, 1239-1248.	0.8	184
7	Understanding Why Patients With COPD Get Readmitted. <i>Chest</i> , 2015, 147, 1219-1226.	0.8	179
8	Comparison of variable selection methods for clinical predictive modeling. <i>International Journal of Medical Informatics</i> , 2018, 116, 10-17.	3.3	160
9	Derivation of a cardiac arrest prediction model using ward vital signs*. <i>Critical Care Medicine</i> , 2012, 40, 2102-2108.	0.9	154
10	Predicting Cardiac Arrest on the Wards. <i>Chest</i> , 2012, 141, 1170-1176.	0.8	137
11	Inherited mutations in cancer susceptibility genes are common among survivors of breast cancer who develop therapy-related leukemia. <i>Cancer</i> , 2016, 122, 304-311.	4.1	129
12	The value of vital sign trends for detecting clinical deterioration on the wards. <i>Resuscitation</i> , 2016, 102, 1-5.	3.0	126
13	Rapid response systems. <i>Resuscitation</i> , 2018, 128, 191-197.	3.0	125
14	Using Electronic Health Record Data to Develop and Validate a Prediction Model for Adverse Outcomes in the Wards*. <i>Critical Care Medicine</i> , 2014, 42, 841-848.	0.9	117
15	Inherited predisposition to breast cancer among African American women. <i>Breast Cancer Research and Treatment</i> , 2015, 149, 31-39.	2.5	116
16	Risk Stratification of Hospitalized Patients on the Wards. <i>Chest</i> , 2013, 143, 1758-1765.	0.8	115
17	Identifying Novel Sepsis Subphenotypes Using Temperature Trajectories. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019, 200, 327-335.	5.6	112
18	Comparison of the Between the Flags calling criteria to the MEWS, NEWS and the electronic Cardiac Arrest Risk Triage (eCART) score for the identification of deteriorating ward patients. <i>Resuscitation</i> , 2018, 123, 86-91.	3.0	107

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19	Identifying Patients With Sepsis on the Hospital Wards. <i>Chest</i> , 2017, 151, 898-907.	0.8	94
20	Association between intensive care unit transfer delay and hospital mortality: A multicenter investigation. <i>Journal of Hospital Medicine</i> , 2016, 11, 757-762.	1.4	90
21	Trends in Survival After In-Hospital Cardiac Arrest During Nights and Weekends. <i>Journal of the American College of Cardiology</i> , 2018, 71, 402-411.	2.8	90
22	Development of a Multicenter Ward-Based AKI Prediction Model. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2016, 11, 1935-1943.	4.5	88
23	Sharing ICU Patient Data Responsibly Under the Society of Critical Care Medicine/European Society of Intensive Care Medicine Joint Data Science Collaboration: The Amsterdam University Medical Centers Database (AmsterdamUMCdb) Example*. <i>Critical Care Medicine</i> , 2021, 49, e563-e577.	0.9	87
24	Comparison of Early Warning Scoring Systems for Hospitalized Patients With and Without Infection at Risk for In-Hospital Mortality and Transfer to the Intensive Care Unit. <i>JAMA Network Open</i> , 2020, 3, e205191.	5.9	81
25	Practice Changes at U.S. Transplant Centers After the New Adult Heart Allocation Policy. <i>Journal of the American College of Cardiology</i> , 2020, 75, 2906-2916.	2.8	75
26	Differences in Vital Signs Between Elderly and Nonelderly Patients Prior to Ward Cardiac Arrest. <i>Critical Care Medicine</i> , 2015, 43, 816-822.	0.9	71
27	Predicting clinical deterioration in the hospital: The impact of outcome selection. <i>Resuscitation</i> , 2013, 84, 564-568.	3.0	66
28	The impact of vaccination to control COVID-19 burden in the United States: A simulation modeling approach. <i>PLoS ONE</i> , 2021, 16, e0254456.	2.5	62
29	Investigating the Impact of Different Suspicion of Infection Criteria on the Accuracy of Quick Sepsis-Related Organ Failure Assessment, Systemic Inflammatory Response Syndrome, and Early Warning Scores*. <i>Critical Care Medicine</i> , 2017, 45, 1805-1812.	0.9	60
30	A Prospective Study of Nighttime Vital Sign Monitoring Frequency and Risk of Clinical Deterioration. <i>JAMA Internal Medicine</i> , 2013, 173, 1554.	5.1	57
31	Effect of Timing of and Adherence to Social Distancing Measures on COVID-19 Burden in the United States. <i>Annals of Internal Medicine</i> , 2021, 174, 50-57.	3.9	57
32	Relationship Between ICU Bed Availability, ICU Readmission, and Cardiac Arrest in the General Wards. <i>Critical Care Medicine</i> , 2014, 42, 2037-2041.	0.9	52
33	Real-Time Risk Prediction on the Wards: A Feasibility Study. <i>Critical Care Medicine</i> , 2016, 44, 1468-1473.	0.9	52
34	Predictors of In-Hospital Mortality After Rapid Response Team Calls in a 274 Hospital Nationwide Sample*. <i>Critical Care Medicine</i> , 2018, 46, 1041-1048.	0.9	49
35	Validating the Electronic Cardiac Arrest Risk Triage (eCART) Score for Risk Stratification of Surgical Inpatients in the Postoperative Setting. <i>Annals of Surgery</i> , 2019, 269, 1059-1063.	4.2	48
36	Impact of Vasoactive Medications on ICU-Acquired Weakness in Mechanically Ventilated Patients. <i>Chest</i> , 2018, 154, 781-787.	0.8	47

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37	Association Between Survival and Time of Day for Rapid Response Team Calls in a National Registry. <i>Critical Care Medicine</i> , 2017, 45, 1677-1682.	0.9	43
38	Implications of Centers for Medicare & Medicaid Services Severe Sepsis and Septic Shock Early Management Bundle and Initial Lactate Measurement on the Management of Sepsis. <i>Chest</i> , 2018, 154, 302-308.	0.8	41
39	Phenotypic Clusters Predict Outcomes in a Longitudinal Interstitial Lung Disease Cohort. <i>Chest</i> , 2018, 153, 349-360.	0.8	40
40	Patient Outcomes and Cost-Effectiveness of a Sepsis Care Quality Improvement Program in a Health System*. <i>Critical Care Medicine</i> , 2019, 47, 1371-1379.	0.9	38
41	Association Between In-Hospital Critical Illness Events and Outcomes in Patients on the Same Ward. <i>JAMA - Journal of the American Medical Association</i> , 2016, 316, 2674.	7.4	33
42	Characteristics of Rapid Response Calls in the United States: An Analysis of the First 402,023 Adult Cases From the Get With the Guidelines Resuscitation-Medical Emergency Team Registry. <i>Critical Care Medicine</i> , 2019, 47, 1283-1289.	0.9	33
43	Skewed Lung CCR4 to CCR6 CD4+ T Cell Ratio in Idiopathic Pulmonary Fibrosis Is Associated with Pulmonary Function. <i>Frontiers in Immunology</i> , 2016, 7, 516.	4.8	29
44	Comparison of mental status scales for predicting mortality on the general wards. <i>Journal of Hospital Medicine</i> , 2015, 10, 658-663.	1.4	28
45	Obstructive sleep apnea and adverse outcomes in surgical and nonsurgical patients on the wards. <i>Journal of Hospital Medicine</i> , 2015, 10, 592-598.	1.4	25
46	Association of Transplant Center With Survival Benefit Among Adults Undergoing Heart Transplant in the United States. <i>JAMA - Journal of the American Medical Association</i> , 2019, 322, 1789.	7.4	25
47	Characteristics and outcomes of maternal cardiac arrest: A descriptive analysis of Get with the guidelines data. <i>Resuscitation</i> , 2018, 132, 17-20.	3.0	23
48	Risk factors for infection and evaluation of Sepsis-3 in patients with trauma. <i>American Journal of Surgery</i> , 2019, 218, 851-857.	1.8	23
49	Age-dependent trends in survival after adult in-hospital cardiac arrest. <i>Resuscitation</i> , 2020, 151, 189-196.	3.0	23
50	Racial disparities in outcomes following PEA and asystole in-hospital cardiac arrests. <i>Resuscitation</i> , 2015, 87, 69-74.	3.0	22
51	Geographic Variation in the Treatment of U.S. Adult Heart Transplant Candidates. <i>Journal of the American College of Cardiology</i> , 2018, 71, 1715-1725.	2.8	21
52	Do Sex Differences Exist in the Establishment of "Do Not Attempt Resuscitation" Orders and Survival in Patients Successfully Resuscitated From In-Hospital Cardiac Arrest?. <i>Journal of the American Heart Association</i> , 2020, 9, e014200.	3.7	21
53	Trends, Cost, and Mortality From Sepsis After Trauma in the United States: An Evaluation of the National Inpatient Sample of Hospitalizations, 2012-2016. <i>Critical Care Medicine</i> , 2020, 48, 1296-1303.	0.9	20
54	Predicting clinical deterioration with Q-ADDS compared to NEWS, Between the Flags, and eCART track and trigger tools. <i>Resuscitation</i> , 2020, 153, 28-34.	3.0	20

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55	Accuracy Comparisons between Manual and Automated Respiratory Rate for Detecting Clinical Deterioration in Ward Patients. <i>Journal of Hospital Medicine</i> , 2018, 13, 486-487.	1.4	20
56	Combining patient visual timelines with deep learning to predict mortality. <i>PLoS ONE</i> , 2019, 14, e0220640.	2.5	19
57	Variation in Best Practice Measures in Patients With Severe Hospital-Acquired Acute Kidney Injury: A Multicenter Study. <i>American Journal of Kidney Diseases</i> , 2021, 77, 547-549.	1.9	19
58	Association Between Opioid and Benzodiazepine Use and Clinical Deterioration in Ward Patients. <i>Journal of Hospital Medicine</i> , 2017, 12, 428-434.	1.4	18
59	Analysis of the Proportional Hazards Model With Sparse Longitudinal Covariates. <i>Journal of the American Statistical Association</i> , 2015, 110, 1187-1196.	3.1	17
60	The Value of Clinical Judgment in the Detection of Clinical Deterioration. <i>JAMA Internal Medicine</i> , 2015, 175, 456.	5.1	11
61	Moving Beyond Single-Parameter Early Warning Scores for Rapid Response System Activation*. <i>Critical Care Medicine</i> , 2016, 44, 2283-2285.	0.9	11
62	Potential impact of a shock requirement on adult heart allocation. <i>Journal of Heart and Lung Transplantation</i> , 2017, 36, 1013-1016.	0.6	11
63	Sequential Organ Failure Assessment Score Modified for Recent Infection in Patients With Hematologic Malignant Tumors and Severe Sepsis. <i>American Journal of Critical Care</i> , 2016, 25, 409-417.	1.6	10
64	Validation of Early Warning Scores at Two Long-Term Acute Care Hospitals. <i>Critical Care Medicine</i> , 2019, 47, e962-e965.	0.9	10
65	Comparison of Machine Learning Methods for Predicting Outcomes After In-Hospital Cardiac Arrest. <i>Critical Care Medicine</i> , 2022, 50, e162-e172.	0.9	8
66	Risk Factors for Cardiovascular Collapse during Tracheal Intubation of Critically Ill Adults. <i>Annals of the American Thoracic Society</i> , 2020, 17, 1021-1024.	3.2	8
67	Association of COVID-19 Infection With Survival After In-Hospital Cardiac Arrest Among US Adults. <i>JAMA Network Open</i> , 2022, 5, e220752.	5.9	8
68	Allergic Immune Diseases and the Risk of Mortality Among Patients Hospitalized for Acute Infection*. <i>Critical Care Medicine</i> , 2019, 47, 1735-1742.	0.9	6
69	Sifting through the heterogeneity of the Rapid Response System literature. <i>Resuscitation</i> , 2012, 83, 1419-1420.	3.0	5
70	The Laboratory-Based Intermountain Validated Exacerbation (LIVE) Score Identifies Chronic Obstructive Pulmonary Disease Patients at High Mortality Risk. <i>Frontiers in Medicine</i> , 2018, 5, 173.	2.6	5
71	Detecting Sepsis: Are Two Opinions Better Than One?. <i>Journal of Hospital Medicine</i> , 2017, 12, 256-258.	1.4	5
72	Life Expectancy Predictions for Older Diabetic Patients as Estimated by Physicians and a Prognostic Model. <i>MDM Policy and Practice</i> , 2017, 2, 238146831771371.	0.9	4

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73	Measuring and Rewarding Quality in the ICU: The Yardstick Is Not As Straight As We Wish. American Journal of Respiratory and Critical Care Medicine, 2012, 185, 3-4.	5.6	3
74	In search of the optimal rapid response system bundle. Journal of Hospital Medicine, 2015, 10, 411-411.	1.4	3
75	1584: PATIENTS WITH TYPE 2-MEDIATED IMMUNE DISEASES ARE PROTECTED FROM DYING OF SEPSIS. Critical Care Medicine, 2019, 47, 767-767.	0.9	3
76	Safety and efficacy of catheter-directed therapy versus anticoagulation alone in a higher-risk acute pulmonary embolism population. Journal of Thrombosis and Thrombolysis, 2021, 52, 1151-1159.	2.1	2
77	In response to "Obstructive sleep apnea and adverse outcomes in surgical and nonsurgical patients on the wards". Journal of Hospital Medicine, 2016, 11, 157-157.	1.4	1
78	Electronic cardiac arrest triage score best predicts mortality after intervention in patients with massive and submassive pulmonary embolism. Catheterization and Cardiovascular Interventions, 2018, 92, 366-371.	1.7	1
79	Reply to Leijte et al.: Fever in Sepsis: Still a Hot Topic. American Journal of Respiratory and Critical Care Medicine, 2019, 200, 264-265.	5.6	1
80	Recommended Reading from the University of Chicago Pulmonary and Critical Care Fellows. American Journal of Respiratory and Critical Care Medicine, 2010, 182, 1453-1454.	5.6	0
81	Using Electronic Health Record Data to Develop and Validate a Prediction Model for Adverse Outcomes on the Wards. Chest, 2012, 142, 279A.	0.8	0
82	Obstructive Sleep Apnea as a Predictor of Clinical Deterioration in Hospitalized Patients on the Wards. Chest, 2014, 146, 502A.	0.8	0
83	Testing the functional assessment of mentation: A mobile application based assessment of mental status. Journal of Hospital Medicine, 2016, 11, 463-466.	1.4	0
84	Response. Chest, 2018, 154, 1462.	0.8	0
85	RISKS OF CATHETER-DIRECTED THERAPY VERSUS CONSERVATIVE THERAPY IN A HIGH RISK, PROPENSITY-SCORE MATCHED PULMONARY EMBOLISM PATIENT POPULATION. Journal of the American College of Cardiology, 2018, 71, A1945.	2.8	0
86	Reply. Journal of the American College of Cardiology, 2018, 72, 703-704.	2.8	0
87	PREDICTING BACTEREMIA USING ELECTRONIC HEALTH RECORD DATA. Chest, 2019, 156, A1607.	0.8	0
88	TEMPERATURE TRAJECTORY MAY BE AN INDICATOR OF BACTEREMIA IN PATIENTS WITH SEPTIC SHOCK. Chest, 2020, 158, A592-A593.	0.8	0