Matthew Churpek

List of Publications by Year
in descending order

88 papers	5,307 citations	94269 37 h-index	91712 69 g-index
91 all docs	91 docs citations	91 times ranked	6899 citing authors

#	Article	IF	Citations
1	Comparison of Machine Learning Methods for Predicting Outcomes After In-Hospital Cardiac Arrest. Critical Care Medicine, 2022, 50, e162-e172.	0.4	8
2	Association of COVID-19 Infection With Survival After In-Hospital Cardiac Arrest Among US Adults. JAMA Network Open, 2022, 5, e220752.	2.8	8
3	Effect of Timing of and Adherence to Social Distancing Measures on COVID-19 Burden in the United States. Annals of Internal Medicine, 2021, 174, 50-57.	2.0	57
4	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*. Critical Care Medicine, 2021, 49, e563-e577.	0.4	87
5	Variation in Best Practice Measures in Patients With Severe Hospital-Acquired Acute Kidney Injury: A Multicenter Study. American Journal of Kidney Diseases, 2021, 77, 547-549.	2.1	19
6	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.	1.0	2
7	The impact of vaccination to control COVID-19 burden in the United States: A simulation modeling approach. PLoS ONE, 2021, 16, e0254456.	1.1	62
8	TEMPERATURE TRAJECTORY MAY BE AN INDICATOR OF BACTEREMIA IN PATIENTS WITH SEPTIC SHOCK. Chest, 2020, 158, A592-A593.	0.4	0
9	Trends, Cost, and Mortality From Sepsis After Trauma in the United States: An Evaluation of the National Inpatient Sample of Hospitalizations, 2012â€“2016. Critical Care Medicine, 2020, 48, 1296-1303.	0.4	20
10	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. JAMA Network Open, 2020, 3, e205191.	2.8	81
11	Practice Changes at U.S.ÂTransplantÂCenters After the NewÂAdult Heart Allocation Policy. Journal of the American College of Cardiology, 2020, 75, 2906-2916.	1.2	75
12	Predicting clinical deterioration with Q-ADDS compared to NEWS, Between the Flags, and eCART track and trigger tools. Resuscitation, 2020, 153, 28-34.	1.3	20
13	Do Sex Differences Exist in the Establishment of â€œDo Not Attempt Resuscitationâ€•Orders and Survival in Patients Successfully Resuscitated From Inâ€Hospital Cardiac Arrest?. Journal of the American Heart Association, 2020, 9, e014200.	1.6	21
14	Age-dependent trends in survival after adult in-hospital cardiac arrest. Resuscitation, 2020, 151, 189-196.	1.3	23
15	Risk Factors for Cardiovascular Collapse during Tracheal Intubation of Critically Ill Adults. Annals of the American Thoracic Society, 2020, 17, 1021-1024.	1.5	8
16	Combining patient visual timelines with deep learning to predict mortality. PLoS ONE, 2019, 14, e0220640.	1.1	19
17	Association of Transplant Center With Survival Benefit Among Adults Undergoing Heart Transplant in the United States. JAMA - Journal of the American Medical Association, 2019, 322, 1789.	3.8	25
18	PREDICTING BACTEREMIA USING ELECTRONIC HEALTH RECORD DATA. Chest, 2019, 156, A1607.	0.4	0

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19	Risk factors for infection and evaluation of Sepsis-3 in patients with trauma. American Journal of Surgery, 2019, 218, 851-857.	0.9	23
20	Reply to Leijte et al.: Fever in Sepsis: Still a Hot Topic. American Journal of Respiratory and Critical Care Medicine, 2019, 200, 264-265.	2.5	1
21	Identifying Novel Sepsis Subphenotypes Using Temperature Trajectories. American Journal of Respiratory and Critical Care Medicine, 2019, 200, 327-335.	2.5	112
22	1584: PATIENTS WITH TYPE 2-MEDIATED IMMUNE DISEASES ARE PROTECTED FROM DYING OF SEPSIS. Critical Care Medicine, 2019, 47, 767-767.	0.4	3
23	Patient Outcomes and Cost-Effectiveness of a Sepsis Care Quality Improvement Program in a Health System*. Critical Care Medicine, 2019, 47, 1371-1379.	0.4	38
24	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. Critical Care Medicine, 2019, 47, 1283-1289.	0.4	33
25	Allergic Immune Diseases and the Risk of Mortality Among Patients Hospitalized for Acute Infection*. Critical Care Medicine, 2019, 47, 1735-1742.	0.4	6
26	Validation of Early Warning Scores at Two Long-Term Acute Care Hospitals. Critical Care Medicine, 2019, 47, e962-e965.	0.4	10
27	Validating the Electronic Cardiac Arrest Risk Triage (eCART) Score for Risk Stratification of Surgical Inpatients in the Postoperative Setting. Annals of Surgery, 2019, 269, 1059-1063.	2.1	48
28	Geographic Variation in the Treatment of U.S. Adult Heart Transplant Candidates. Journal of the American College of Cardiology, 2018, 71, 1715-1725.	1.2	21
29	Trends in Survival After In-Hospital CardiacÂArrest During Nights and Weekends. Journal of the American College of Cardiology, 2018, 71, 402-411.	1.2	90
30	Predictors of In-Hospital Mortality After Rapid Response Team Calls in a 274 Hospital Nationwide Sample*. Critical Care Medicine, 2018, 46, 1041-1048.	0.4	49
31	The Development of a Machine Learning Inpatient Acute Kidney Injury Prediction Model*. Critical Care Medicine, 2018, 46, 1070-1077.	0.4	214
32	Phenotypic Clusters Predict Outcomes in a Longitudinal Interstitial Lung Disease Cohort. Chest, 2018, 153, 349-360.	0.4	40
33	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. Resuscitation, 2018, 123, 86-91.	1.3	107
34	Response. Chest, 2018, 154, 1462.	0.4	0
35	Impact of Vasoactive Medications on ICU-Acquired Weakness in Mechanically Ventilated Patients. Chest, 2018, 154, 781-787.	0.4	47
36	Characteristics and outcomes of maternal cardiac arrest: A descriptive analysis of Get with the guidelines data. Resuscitation, 2018, 132, 17-20.	1.3	23

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37	Implications of Centers for Medicare & Medicaid Services Severe Sepsis and SepticÂShock Early Management Bundle andÂInitial Lactate Measurement on the Management of Sepsis. Chest, 2018, 154, 302-308.	0.4	41
38	Comparison of variable selection methods for clinical predictive modeling. International Journal of Medical Informatics, 2018, 116, 10-17.	1.6	160
39	Rapid response systems. Resuscitation, 2018, 128, 191-197.	1.3	125
40	Big Data and Data Science in Critical Care. Chest, 2018, 154, 1239-1248.	0.4	184
41	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.	1.2	0
42	Reply. Journal of the American College of Cardiology, 2018, 72, 703-704.	1.2	0
43	The Laboratory-Based Intermountain Validated Exacerbation (LIVE) Score Identifies Chronic Obstructive Pulmonary Disease Patients at High Mortality Risk. Frontiers in Medicine, 2018, 5, 173.	1.2	5
44	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.	0.7	1
45	Accuracy Comparisons between Manual and Automated Respiratory Rate for Detecting Clinical Deterioration in Ward Patients. Journal of Hospital Medicine, 2018, 13, 486-487.	0.7	20
46	Identifying Patients With Sepsis on the Hospital Wards. Chest, 2017, 151, 898-907.	0.4	94
47	Life Expectancy Predictions for Older Diabetic Patients as Estimated by Physicians and a Prognostic Model. MDM Policy and Practice, 2017, 2, 238146831771371.	0.5	4
48	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*. Critical Care Medicine, 2017, 45, 1805-1812.	0.4	60
49	Potential impact of a shock requirement on adult heart allocation. Journal of Heart and Lung Transplantation, 2017, 36, 1013-1016.	0.3	11
50	Association Between Survival and Time of Day for Rapid Response Team Calls in a National Registry. Critical Care Medicine, 2017, 45, 1677-1682.	0.4	43
51	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. American Journal of Respiratory and Critical Care Medicine, 2017, 195, 906-911.	2.5	496
52	Detecting Sepsis: Are Two Opinions Better Than One?. Journal of Hospital Medicine, 2017, 12, 256-258.	0.7	5
53	Association Between Opioid and Benzodiazepine Use and Clinical Deterioration in Ward Patients. Journal of Hospital Medicine, 2017, 12, 428-434.	0.7	18
54	Skewed Lung CCR4 to CCR6 CD4+ T Cell Ratio in Idiopathic Pulmonary Fibrosis Is Associated with Pulmonary Function. Frontiers in Immunology, 2016, 7, 516.	2.2	29

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55	Real-Time Risk Prediction on the Wards: A Feasibility Study. Critical Care Medicine, 2016, 44, 1468-1473.	0.4	52
56	In response to â€œObstructive sleep apnea and adverse outcomes in surgical and nonsurgical patients on the wardsâ€. Journal of Hospital Medicine, 2016, 11, 157-157.	0.7	1
57	Association Between In-Hospital Critical Illness Events and Outcomes in Patients on the Same Ward. JAMA - Journal of the American Medical Association, 2016, 316, 2674.	3.8	33
58	Association between intensive care unit transfer delay and hospital mortality: A multicenter investigation. Journal of Hospital Medicine, 2016, 11, 757-762.	0.7	90
59	Development of a Multicenter Wardâ€“Based AKI Prediction Model. Clinical Journal of the American Society of Nephrology: CJASN, 2016, 11, 1935-1943.	2.2	88
60	Sequential Organ Failure Assessment Score Modified for Recent Infection in Patients With Hematologic Malignant Tumors and Severe Sepsis. American Journal of Critical Care, 2016, 25, 409-417.	0.8	10
61	Moving Beyond Single-Parameter Early Warning Scores for Rapid Response System Activation*. Critical Care Medicine, 2016, 44, 2283-2285.	0.4	11
62	Inherited mutations in cancer susceptibility genes are common among survivors of breast cancer who develop therapyâ€related leukemia. Cancer, 2016, 122, 304-311.	2.0	129
63	Testing the functional assessment of mentation: A mobile application based assessment of mental status. Journal of Hospital Medicine, 2016, 11, 463-466.	0.7	0
64	Multicenter Comparison of Machine Learning Methods and Conventional Regression for Predicting Clinical Deterioration on the Wards. Critical Care Medicine, 2016, 44, 368-374.	0.4	423
65	The value of vital sign trends for detecting clinical deterioration on the wards. Resuscitation, 2016, 102, 1-5.	1.3	126
66	Comparison of mentalâ€status scales for predicting mortality on the general wards. Journal of Hospital Medicine, 2015, 10, 658-663.	0.7	28
67	Obstructive sleep apnea and adverse outcomes in surgical and nonsurgical patients on the wards. Journal of Hospital Medicine, 2015, 10, 592-598.	0.7	25
68	In search of the optimal rapid response system bundle. Journal of Hospital Medicine, 2015, 10, 411-411.	0.7	3
69	Analysis of the Proportional Hazards Model With Sparse Longitudinal Covariates. Journal of the American Statistical Association, 2015, 110, 1187-1196.	1.8	17
70	Inherited predisposition to breast cancer among African American women. Breast Cancer Research and Treatment, 2015, 149, 31-39.	1.1	116
71	Racial disparities in outcomes following PEA and asystole in-hospital cardiac arrests. Resuscitation, 2015, 87, 69-74.	1.3	22
72	The Value of Clinical Judgment in the Detection of Clinical Deterioration. JAMA Internal Medicine, 2015, 175, 456.	2.6	11

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73	Understanding Why Patients With COPD Get Readmitted. Chest, 2015, 147, 1219-1226.	0.4	179
74	Differences in Vital Signs Between Elderly and Nonelderly Patients Prior to Ward Cardiac Arrest. Critical Care Medicine, 2015, 43, 816-822.	0.4	71
75	Incidence and Prognostic Value of the Systemic Inflammatory Response Syndrome and Organ Dysfunctions in Ward Patients. American Journal of Respiratory and Critical Care Medicine, 2015, 192, 958-964.	2.5	267
76	Obstructive Sleep Apnea as a Predictor of Clinical Deterioration in Hospitalized Patients on the Wards. Chest, 2014, 146, 502A.	0.4	0
77	Multicenter Development and Validation of a Risk Stratification Tool for Ward Patients. American Journal of Respiratory and Critical Care Medicine, 2014, 190, 649-655.	2.5	203
78	Using Electronic Health Record Data to Develop and Validate a Prediction Model for Adverse Outcomes in the Wards*. Critical Care Medicine, 2014, 42, 841-848.	0.4	117
79	Relationship Between ICU Bed Availability, ICU Readmission, and Cardiac Arrest in the General Wards. Critical Care Medicine, 2014, 42, 2037-2041.	0.4	52
80	Predicting clinical deterioration in the hospital: The impact of outcome selection. Resuscitation, 2013, 84, 564-568.	1.3	66
81	A Prospective Study of Nighttime Vital Sign Monitoring Frequency and Risk of Clinical Deterioration. JAMA Internal Medicine, 2013, 173, 1554.	2.6	57
82	Risk Stratification of Hospitalized Patients on the Wards. Chest, 2013, 143, 1758-1765.	0.4	115
83	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.	2.5	3
84	Derivation of a cardiac arrest prediction model using ward vital signs*. Critical Care Medicine, 2012, 40, 2102-2108.	0.4	154
85	Sifting through the heterogeneity of the Rapid Response System literature. Resuscitation, 2012, 83, 1419-1420.	1.3	5
86	Using Electronic Health Record Data to Develop and Validate a Prediction Model for Adverse Outcomes on the Wards. Chest, 2012, 142, 279A.	0.4	0
87	Predicting Cardiac Arrest on the Wards. Chest, 2012, 141, 1170-1176.	0.4	137
88	Recommended Reading from the University of Chicago Pulmonary and Critical Care Fellows. American Journal of Respiratory and Critical Care Medicine, 2010, 182, 1453-1454.	2.5	0