

A targeted real-time early warning score (TREWScore) f

Science Translational Medicine

7, 299ra122

DOI: [10.1126/scitranslmed.aab3719](https://doi.org/10.1126/scitranslmed.aab3719)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Population-Level Prediction of Type 2 Diabetes From Claims Data and Analysis of Risk Factors. <i>Big Data</i> , 2015, 3, 277-287.	2.1	163
2	Avoiding pediatric readmissions: Quite a challenge!. <i>Journal of Critical Care</i> , 2015, 30, 1412.	1.0	0
3	Keeping Score of Severity Scores. <i>Critical Care Medicine</i> , 2016, 44, 639-640.	0.4	4
4	Optimization of sepsis risk assessment for ward patients. , 2016, , .		8
5	The use of data mining techniques to predict mortality and length of stay in an ICU. , 2016, , .		5
6	Prediction using patient comparison vs. modeling: A case study for mortality prediction. , 2016, 2016, 2464-2467.		16
7	Real-Time Automated Sampling of Electronic Medical Records Predicts Hospital Mortality. <i>American Journal of Medicine</i> , 2016, 129, 688-698.e2.	0.6	23
8	What Can Big Data Tell Us About Health?: Finding Gold Through Data Mining. <i>IEEE Pulse</i> , 2016, 7, 40-44.	0.1	5
9	Using demographic and time series physiological features to classify sepsis in the intensive care unit. , 2016, 2016, 778-782.		5
10	The use of machine learning for the identification of peripheral artery disease and future mortality risk. <i>Journal of Vascular Surgery</i> , 2016, 64, 1515-1522.e3.	0.6	95
11	Learning (predictive) risk scores in the presence of censoring due to interventions. <i>Machine Learning</i> , 2016, 102, 323-348.	3.4	27
12	Translational bioinformatics in the era of real-time biomedical, health care and wellness data streams. <i>Briefings in Bioinformatics</i> , 2017, 18, 105-124.	3.2	146
13	Evaluating the impact of a computerized surveillance algorithm and decision support system on sepsis mortality. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2017, 24, 88-95.	2.2	70
14	Identifying Patients With Sepsis on the Hospital Wards. <i>Chest</i> , 2017, 151, 898-907.	0.4	94
15	Prediction of Adverse Events in Patients Undergoing Major Cardiovascular Procedures. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2017, 21, 1719-1729.	3.9	32
16	A Framework for Patient State Tracking by Classifying Multiscalar Physiologic Waveform Features. <i>IEEE Transactions on Biomedical Engineering</i> , 2017, 64, 2890-2900.	2.5	8
17	Decaying relevance of clinical data towards future decisions in data-driven inpatient clinical order sets. <i>International Journal of Medical Informatics</i> , 2017, 102, 71-79.	1.6	80
18	Septic shock prediction for ICU patients via coupled HMM walking on sequential contrast patterns. <i>Journal of Biomedical Informatics</i> , 2017, 66, 19-31.	2.5	76

#	ARTICLE	IF	CITATIONS
19	Sepsis as 2 problems: Identifying sepsis at admission and predicting onset in the hospital using an electronic medical recordâ€‘based acuity score. <i>Journal of Critical Care</i> , 2017, 38, 237-244.	1.0	40
20	Evaluating performance of early warning indices to predict physiological instabilities. <i>Journal of Biomedical Informatics</i> , 2017, 75, 14-21.	2.5	8
21	Learning representations for the early detection of sepsis with deep neural networks. <i>Computers in Biology and Medicine</i> , 2017, 89, 248-255.	3.9	156
22	Combining Biomarkers with EMR Data to Identify Patients in Different Phases of Sepsis. <i>Scientific Reports</i> , 2017, 7, 10800.	1.6	59
23	Surgical data science for next-generation interventions. <i>Nature Biomedical Engineering</i> , 2017, 1, 691-696.	11.6	283
24	Developing a Machine Learning System for Identification of Severe Hand, Foot, and Mouth Disease from Electronic Medical Record Data. <i>Scientific Reports</i> , 2017, 7, 16341.	1.6	17
25	Multiscale network representation of physiological time series for early prediction of sepsis. <i>Physiological Measurement</i> , 2017, 38, 2235-2248.	1.2	32
26	Understanding vasopressor intervention and weaning: risk prediction in a public heterogeneous clinical time series database. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2017, 24, 488-495.	2.2	33
27	Effect of a machine learning-based severe sepsis prediction algorithm on patient survival and hospital length of stay: a randomised clinical trial. <i>BMJ Open Respiratory Research</i> , 2017, 4, e000234.	1.2	237
28	LSTM for septic shock: Adding unreliable labels to reliable predictions. , 2017, , .		15
29	Reducing patient mortality, length of stay and readmissions through machine learning-based sepsis prediction in the emergency department, intensive care unit and hospital floor units. <i>BMJ Open Quality</i> , 2017, 6, e000158.	0.4	105
30	Using Transfer Learning for Improved Mortality Prediction in a Data-Scarce Hospital Setting. <i>Biomedical Informatics Insights</i> , 2017, 9, 117822261771299.	4.6	39
31	Cardiorespiratory dynamics measured from continuous ECG monitoring improves detection of deterioration in acute care patients: A retrospective cohort study. <i>PLoS ONE</i> , 2017, 12, e0181448.	1.1	36
32	Machine Learning in Healthcare. , 2017, , 279-291.		77
33	Biomarkers as predictors of mortality in critically ill patients with solid tumors. <i>Anais Da Academia Brasileira De Ciencias</i> , 2017, 89, 2921-2929.	0.3	2
34	Emerging Technologies for Molecular Diagnosis of Sepsis. <i>Clinical Microbiology Reviews</i> , 2018, 31, .	5.7	210
35	Assessing patient risk of central line-associated bacteremia via machine learning. <i>American Journal of Infection Control</i> , 2018, 46, 986-991.	1.1	31
36	Sepsis: The Road Ahead. , 2018, , 253-267.		0

#	ARTICLE	IF	CITATIONS
37	Scalable Joint Models for Reliable Uncertainty-Aware Event Prediction. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2018, 40, 1948-1963.	9.7	25
38	Multicentre validation of a sepsis prediction algorithm using only vital sign data in the emergency department, general ward and ICU. BMJ Open, 2018, 8, e017833.	0.8	223
39	If You Give a Mouse a Cookie, There Will Be Requests for More and More€ . Pediatric Critical Care Medicine, 2018, 19, 163-165.	0.2	1
40	An Interpretable Machine Learning Model for Accurate Prediction of Sepsis in the ICU. Critical Care Medicine, 2018, 46, 547-553.	0.4	494
41	Predicting adverse hemodynamic events in critically ill patients. Current Opinion in Critical Care, 2018, 24, 196-203.	1.6	12
42	Development and validation of a prediction model for insulin-associated hypoglycemia in non-critically ill hospitalized adults. BMJ Open Diabetes Research and Care, 2018, 6, e000499.	1.2	42
43	Personalized Risk Scoring for Critical Care Prognosis Using Mixtures of Gaussian Processes. IEEE Transactions on Biomedical Engineering, 2018, 65, 207-218.	2.5	38
44	Machine Learning for Healthcare: On the Verge of a Major Shift in Healthcare Epidemiology. Clinical Infectious Diseases, 2018, 66, 149-153.	2.9	311
45	Flexible, cluster-based analysis of the electronic medical record of sepsis with composite mixture models. Journal of Biomedical Informatics, 2018, 78, 33-42.	2.5	23
46	Machine Learning Methods for Septic Shock Prediction. , 2018, , .		6
47	3,3â€²-Diindolylmethane protects cardiomyocytes from LPS-induced inflammatory response and apoptosis. BMC Pharmacology & Toxicology, 2018, 19, 71.	1.0	17
48	Prediction of ICU Readmissions Using Data at Patient Discharge. , 2018, 2018, 4932-4935.		17
49	Better medicine through machine learning: Whatâ€™s real, and whatâ€™s artificial?. PLoS Medicine, 2018, 15, e1002721.	3.9	73
50	Impact of Electronic Physician Order-Set on Antibiotic Ordering Time in Septic Patients in the Emergency Department. Applied Clinical Informatics, 2018, 09, 869-874.	0.8	10
51	Applying Artificial Intelligence to Identify Physiomarkers Predicting Severe Sepsis in the PICU*. Pediatric Critical Care Medicine, 2018, 19, e495-e503.	0.2	89
52	Explainable machine-learning predictions for the prevention of hypoxaemia during surgery. Nature Biomedical Engineering, 2018, 2, 749-760.	11.6	1,033
53	Not all organ dysfunctions are created equal â€“ Prevalence and mortality in sepsis. Journal of Critical Care, 2018, 48, 257-262.	1.0	9
54	Using survival analysis to predict septic shock onset in ICU patients. Journal of Critical Care, 2018, 48, 339-344.	1.0	7

#	ARTICLE	IF	CITATIONS
55	Innovation at the Intersection of Clinical Trials and Real-World Data Science to Advance Patient Care. <i>Clinical and Translational Science</i> , 2018, 11, 450-460.	1.5	45
56	The Uniformed Services University's Surgical Critical Care Initiative (SC2i): Bringing Precision Medicine to the Critically Ill. <i>Military Medicine</i> , 2018, 183, 487-495.	0.4	8
57	Big Data and Data Science in Critical Care. <i>Chest</i> , 2018, 154, 1239-1248.	0.4	184
58	Surviving sepsis campaign: research priorities for sepsis and septic shock. <i>Intensive Care Medicine</i> , 2018, 44, 1400-1426.	3.9	159
59	Association mapping in biomedical time series via statistically significant shapelet mining. <i>Bioinformatics</i> , 2018, 34, i438-i446.	1.8	17
60	Early Diagnosis and Prediction of Sepsis Shock by Combining Static and Dynamic Information Using Convolutional-LSTM. , 2018, , .		47
61	Surviving Sepsis Campaign: Research Priorities for Sepsis and Septic Shock. <i>Critical Care Medicine</i> , 2018, 46, 1334-1356.	0.4	102
62	Learning a Dynamic-Based Representation for Multivariate Biomarker Time Series Classifications. , 2018, , .		2
63	Recent Temporal Pattern Mining for Septic Shock Early Prediction. , 2018, , .		24
64	Smart Medical Information Technology for Healthcare (SMITH). <i>Methods of Information in Medicine</i> , 2018, 57, e92-e105.	0.7	89
66	Impact of predictive analytics based on continuous cardiorespiratory monitoring in a surgical and trauma intensive care unit. <i>Journal of Clinical Monitoring and Computing</i> , 2019, 33, 703-711.	0.7	38
67	Unlocking stress and forecasting its consequences with digital technology. <i>Npj Digital Medicine</i> , 2019, 2, 75.	5.7	32
68	Do no harm: a roadmap for responsible machine learning for health care. <i>Nature Medicine</i> , 2019, 25, 1337-1340.	15.2	451
69	Heart rate variability based machine learning models for risk prediction of suspected sepsis patients in the emergency department. <i>Medicine (United States)</i> , 2019, 98, e14197.	0.4	61
70	A deep learning model for real-time mortality prediction in critically ill children. <i>Critical Care</i> , 2019, 23, 279.	2.5	68
71	Crocic protects cardiomyocytes against LPS-Induced inflammation. <i>Pharmacological Reports</i> , 2019, 71, 1228-1234.	1.5	62
72	Sepsis surveillance: an examination of parameter sensitivity and alert reliability. <i>JAMIA Open</i> , 2019, 2, 339-345.	1.0	2
73	Improving Clinician Decisions and Communication in Critical Care Using Novel Information Technology. <i>Military Medicine</i> , 2020, 185, e254-e261.	0.4	13

#	ARTICLE	IF	CITATIONS
74	Machine Learning in Microbiology: Finding the Signal in the Noise. <i>Clinical Microbiology Newsletter</i> , 2019, 41, 121-127.	0.4	3
75	A clinically applicable approach to continuous prediction of future acute kidney injury. <i>Nature</i> , 2019, 572, 116-119.	13.7	652
76	Big Data Analysis and Machine Learning in Intensive Care Units. <i>Medicina Intensiva (English Edition)</i> , 2019, 43, 416-426.	0.1	14
77	Challenges and opportunities in software-driven medical devices. <i>Nature Biomedical Engineering</i> , 2019, 3, 493-497.	11.6	34
78	LiSep LSTM: A Machine Learning Algorithm for Early Detection of Septic Shock. <i>Scientific Reports</i> , 2019, 9, 15132.	1.6	71
79	Clinical applications of artificial intelligence in sepsis: A narrative review. <i>Computers in Biology and Medicine</i> , 2019, 115, 103488.	3.9	77
80	Pediatric Severe Sepsis Prediction Using Machine Learning. <i>Frontiers in Pediatrics</i> , 2019, 7, 413.	0.9	64
81	Leveraging implicit expert knowledge for non-circular machine learning in sepsis prediction. <i>Artificial Intelligence in Medicine</i> , 2019, 100, 101725.	3.8	15
82	Clinical Decision-Support Systems for Detection of Systemic Inflammatory Response Syndrome, Sepsis, and Septic Shock in Critically Ill Patients: A Systematic Review. <i>Methods of Information in Medicine</i> , 2019, 58, e43-e57.	0.7	34
83	Critical Transitions in Intensive Care Units: A Sepsis Case Study. <i>Scientific Reports</i> , 2019, 9, 12888.	1.6	12
84	Development and Evaluation of a Machine Learning Model for the Early Identification of Patients at Risk for Sepsis. <i>Annals of Emergency Medicine</i> , 2019, 73, 334-344.	0.3	131
85	Improving Prediction Performance Using Hierarchical Analysis of Real-Time Data: A Sepsis Case Study. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2019, 23, 978-986.	3.9	37
86	Improving Acute GI Bleeding Management Through Artificial Intelligence: Unnatural Selection?. <i>Digestive Diseases and Sciences</i> , 2019, 64, 2061-2064.	1.1	6
87	Multitask learning and benchmarking with clinical time series data. <i>Scientific Data</i> , 2019, 6, 96.	2.4	360
88	Diffusing an Innovation: Clinician Perceptions of Continuous Predictive Analytics Monitoring in Intensive Care. <i>Applied Clinical Informatics</i> , 2019, 10, 295-306.	0.8	21
89	Secondary prevention of cardiovascular disease: Time to rethink stratification of disease severity?. <i>European Journal of Preventive Cardiology</i> , 2019, 26, 1778-1780.	0.8	3
90	Predicting childhood obesity using electronic health records and publicly available data. <i>PLoS ONE</i> , 2019, 14, e0215571.	1.1	46
91	Data-driven discovery of a novel sepsis pre-shock state predicts impending septic shock in the ICU. <i>Scientific Reports</i> , 2019, 9, 6145.	1.6	56

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92	Big data and machine learning algorithms for health-care delivery. <i>Lancet Oncology</i> , The, 2019, 20, e262-e273.	5.1	733
93	Evaluation of a machine learning algorithm for up to 48-hour advance prediction of sepsis using six vital signs. <i>Computers in Biology and Medicine</i> , 2019, 109, 79-84.	3.9	91
94	To catch a killer: electronic sepsis alert tools reaching a fever pitch?. <i>BMJ Quality and Safety</i> , 2019, 28, 693-696.	1.8	16
95	Challenges and Opportunities for Using Big Health Care Data to Advance Medical Science and Public Health. <i>American Journal of Epidemiology</i> , 2019, 188, 851-861.	1.6	39
96	Sepsis Computable Phenotypes in the Service of Observational Research*. <i>Critical Care Medicine</i> , 2019, 47, 303-305.	0.4	5
97	Precision Delivery in Critical Care: Balancing Prediction and Personalization. <i>Annual Update in Intensive Care and Emergency Medicine</i> , 2019, , 15-27.	0.1	0
98	The Promise of Machine Learning: When Will it be Delivered?. <i>Journal of Cardiac Failure</i> , 2019, 25, 484-485.	0.7	14
99	The Classification of Minor Gait Alterations Using Wearable Sensors and Deep Learning. <i>IEEE Transactions on Biomedical Engineering</i> , 2019, 66, 3136-3145.	2.5	37
100	Machine learning models for early sepsis recognition in the neonatal intensive care unit using readily available electronic health record data. <i>PLoS ONE</i> , 2019, 14, e0212665.	1.1	108
101	An attention based deep learning model of clinical events in the intensive care unit. <i>PLoS ONE</i> , 2019, 14, e0211057.	1.1	108
102	Machine-Learning-Based Laboratory Developed Test for the Diagnosis of Sepsis in High-Risk Patients. <i>Diagnostics</i> , 2019, 9, 20.	1.3	26
103	Ultrasensitive magnetic resonance imaging of systemic reactive oxygen species <i>in vivo</i> for early diagnosis of sepsis using activatable nanoprobe. <i>Chemical Science</i> , 2019, 10, 3770-3778.	3.7	37
104	Predicting need for advanced illness or palliative care in a primary care population using electronic health record data. <i>Journal of Biomedical Informatics</i> , 2019, 92, 103115.	2.5	15
105	Intervention-Aware Early Warning. , 2019, , .		0
106	Clinical Impact of an Electronic Dashboard and Alert System for Sedation Minimization and Ventilator Liberation: A Before-After Study. , 2019, 1, e0057.		14
107	Comparison of Automated Sepsis Identification Methods and Electronic Health Record-based Sepsis Phenotyping: Improving Case Identification Accuracy by Accounting for Confounding Comorbid Conditions. , 2019, 1, e0053.		12
108	Multi-layer Facial Representation Learning for Early Prediction of Septic Shock. , 2019, , .		2
109	Machine learning for the detection of early immunological markers as predictors of multi-organ dysfunction. <i>Scientific Data</i> , 2019, 6, 328.	2.4	16

#	ARTICLE	IF	CITATIONS
110	Regulatory oversight, causal inference, and safe and effective health care machine learning. <i>Biostatistics</i> , 2020, 21, 363-367.	0.9	8
111	Clinician Perception of a Machine Learning-Based Early Warning System Designed to Predict Severe Sepsis and Septic Shock*. <i>Critical Care Medicine</i> , 2019, 47, 1477-1484.	0.4	104
112	A Machine Learning Algorithm to Predict Severe Sepsis and Septic Shock: Development, Implementation, and Impact on Clinical Practice*. <i>Critical Care Medicine</i> , 2019, 47, 1485-1492.	0.4	148
114	Supervised machine learning for the prediction of infection on admission to hospital: a prospective observational cohort study. <i>Journal of Antimicrobial Chemotherapy</i> , 2019, 74, 1108-1115.	1.3	26
115	A minimal set of physiometers in continuous high frequency data streams predict adult sepsis onset earlier. <i>International Journal of Medical Informatics</i> , 2019, 122, 55-62.	1.6	53
116	Accurate prediction of blood culture outcome in the intensive care unit using long short-term memory neural networks. <i>Artificial Intelligence in Medicine</i> , 2019, 97, 38-43.	3.8	38
117	Heart Rate and Cardiorespiratory Analysis for Sepsis and Necrotizing Enterocolitis Prediction. , 2019, , 343-362.		0
118	A Cost-Benefit Analysis of Automated Physiological Data Acquisition Systems Using Data-Driven Modeling. <i>Journal of Healthcare Informatics Research</i> , 2019, 3, 245-263.	5.3	2
119	Neo-Bedside Monitoring Device for Integrated Neonatal Intensive Care Unit (iNICU). <i>IEEE Access</i> , 2019, 7, 7803-7813.	2.6	13
120	High-performance medicine: the convergence of human and artificial intelligence. <i>Nature Medicine</i> , 2019, 25, 44-56.	15.2	2,938
121	Big Data Analysis y Machine Learning en medicina intensiva. <i>Medicina Intensiva</i> , 2019, 43, 416-426.	0.4	33
122	Biomarkers and Molecular Diagnostics for Early Detection and Targeted Management of Sepsis and Septic Shock in the Emergency Department. <i>journal of applied laboratory medicine, The</i> , 2019, 3, 724-729.	0.6	11
123	Robot use self-efficacy in healthcare work (RUSH): development and validation of a new measure. <i>AI and Society</i> , 2019, 34, 137-143.	3.1	36
124	Heart Rate Variability as a Biomarker of Neurocardiogenic Injury After Subarachnoid Hemorrhage. <i>Neurocritical Care</i> , 2020, 32, 162-171.	1.2	21
125	Clinical decision support system to assess the risk of sepsis using Tree Augmented Bayesian networks and electronic medical record data. <i>Health Informatics Journal</i> , 2020, 26, 841-861.	1.1	13
126	Care Workers'™ Readiness for Robotization: Identifying Psychological and Socio-Demographic Determinants. <i>International Journal of Social Robotics</i> , 2020, 12, 79-90.	3.1	23
127	Machine learning for prediction of septic shock at initial triage in emergency department. <i>Journal of Critical Care</i> , 2020, 55, 163-170.	1.0	51
128	Early Prediction of Sepsis From Clinical Data: The PhysioNet/Computing in Cardiology Challenge 2019. <i>Critical Care Medicine</i> , 2020, 48, 210-217.	0.4	140

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129	Health intelligence. , 2020, , 197-215.		1
130	Artificial Intelligence and Surgical Decision-making. JAMA Surgery, 2020, 155, 148.	2.2	217
131	Prediction of Septic Shock Onset in ICU by Instantaneous Monitoring of Vital Signs. , 2020, 2020, 2768-2771.		7
132	Democratizing EHR analyses with FIDDLE: a flexible data-driven preprocessing pipeline for structured clinical data. Journal of the American Medical Informatics Association: JAMIA, 2020, 27, 1921-1934.	2.2	39
133	An Explainable Artificial Intelligence Predictor for Early Detection of Sepsis. Critical Care Medicine, 2020, 48, e1091-e1096.	0.4	49
134	Automated prediction of sepsis using temporal convolutional network. Computers in Biology and Medicine, 2020, 127, 103957.	3.9	52
135	Supervised classification techniques for prediction of mortality in adult patients with sepsis. American Journal of Emergency Medicine, 2021, 45, 392-397.	0.7	17
136	Considerations for Empiric Antimicrobial Therapy in Sepsis and Septic Shock in an Era of Antimicrobial Resistance. Journal of Infectious Diseases, 2020, 222, S119-S131.	1.9	55
137	Sepsis in the era of data-driven medicine: personalizing risks, diagnoses, treatments and prognoses. Briefings in Bioinformatics, 2020, 21, 1182-1195.	3.2	29
138	Precision medicine in anesthesiology. International Anesthesiology Clinics, 2020, 58, 17-22.	0.3	4
139	Reporting and Implementing Interventions Involving Machine Learning and Artificial Intelligence. Annals of Internal Medicine, 2020, 172, S137-S144.	2.0	64
140	Development and Validation of the Quick COVID-19 Severity Index: A Prognostic Tool for Early Clinical Decompensation. Annals of Emergency Medicine, 2020, 76, 442-453.	0.3	219
141	Machine learning for early detection of sepsis: an internal and temporal validation study. JAMIA Open, 2020, 3, 252-260.	1.0	56
142	AIDEx - An Open-source Platform for Real-Time Forecasting Sepsis and A Case Study on Taking ML Algorithms to Production. , 2020, 2020, 5610-5614.		9
143	The Promise of Clinical Decision Support Systems Targetting Low-Resource Settings. IEEE Reviews in Biomedical Engineering, 2020, PP, 1-1.	13.1	6
144	Artificial Intelligence and Suicide Prevention: A Systematic Review of Machine Learning Investigations. International Journal of Environmental Research and Public Health, 2020, 17, 5929.	1.2	97
145	Minimum information about clinical artificial intelligence modeling: the MI-CLAIM checklist. Nature Medicine, 2020, 26, 1320-1324.	15.2	262
146	Utilization of the Signature Method to Identify the Early Onset of Sepsis From Multivariate Physiological Time Series in Critical Care Monitoring. Critical Care Medicine, 2020, 48, e976-e981.	0.4	12

#	ARTICLE	IF	CITATIONS
147	Artificial Intelligence-Based Clinical Decision Support for COVID-19 "Where Art Thou?. Advanced Intelligent Systems, 2020, 2, 2000104.	3.3	14
148	Early Prediction of Sepsis From Clinical Data Using Ratio and Power-Based Features. Critical Care Medicine, 2020, 48, e1343-e1349.	0.4	15
149	Validation of a machine learning algorithm for early severe sepsis prediction: a retrospective study predicting severe sepsis up to 48h in advance using a diverse dataset from 461 US hospitals. BMC Medical Informatics and Decision Making, 2020, 20, 276.	1.5	22
150	Simultaneous electrical detection of IL-6 and PCT using a microfluidic biochip platform. Biomedical Microdevices, 2020, 22, 36.	1.4	13
151	Intelligent, Autonomous Machines in Surgery. Journal of Surgical Research, 2020, 253, 92-99.	0.8	21
152	Effect of a sepsis prediction algorithm on patient mortality, length of stay and readmission: a prospective multicentre clinical outcomes evaluation of real-world patient data from US hospitals. BMJ Health and Care Informatics, 2020, 27, e100109.	1.4	44
153	A Review of Predictive Analytics Solutions for Sepsis Patients. Applied Clinical Informatics, 2020, 11, 387-398.	0.8	19
154	Predicting severe clinical events by learning about life-saving actions and outcomes using distant supervision. Journal of Biomedical Informatics, 2020, 107, 103425.	2.5	5
155	Utilizing time series data embedded in electronic health records to develop continuous mortality risk prediction models using hidden Markov models: A sepsis case study. Statistical Methods in Medical Research, 2020, 29, 3409-3423.	0.7	14
156	Artificial intelligence with multi-functional machine learning platform development for better healthcare and precision medicine. Database: the Journal of Biological Databases and Curation, 2020, .	1.4	279
157	The Application of Deep Learning in Cancer Prognosis Prediction. Cancers, 2020, 12, 603.	1.7	218
158	Prediction of fatal adverse prognosis in patients with fever-related diseases based on machine learning: A retrospective study. Chinese Medical Journal, 2020, 133, 583-589.	0.9	2
159	Technology and Innovation: The Game Changer of the Next Decade. Indian Journal of Orthopaedics, 2020, 54, 107-108.	0.5	2
160	"How did you get to this number?" Stakeholder needs for implementing predictive analytics: a pre-implementation qualitative study. Journal of the American Medical Informatics Association: JAMIA, 2020, 27, 709-716.	2.2	29
161	Vasopressor Dosing in Septic Shock Clinical Trials: A Systematic Review and Ecologic Study. Annals of the American Thoracic Society, 2020, 17, 773-776.	1.5	1
162	Sparse multi-output Gaussian processes for online medical time series prediction. BMC Medical Informatics and Decision Making, 2020, 20, 152.	1.5	26
163	Scores for sepsis detection and risk stratification " construction of a novel score Using a statistical approach and validation of RETTS. PLoS ONE, 2020, 15, e0229210.	1.1	12
164	Too Many Definitions of Sepsis: Can Machine Learning Leverage the Electronic Health Record to Increase Accuracy and Bring Consensus?. Critical Care Medicine, 2020, 48, 137-141.	0.4	23

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165	Development, Implementation, and Evaluation of an In-Hospital Optimized Early Warning Score for Patient Deterioration. <i>MDM Policy and Practice</i> , 2020, 5, 238146831989966.	0.5	19
166	IRIS: A Modular Platform for Continuous Monitoring and Caretaker Notification in the Intensive Care Unit. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2020, 24, 2389-2397.	3.9	7
167	Machine learning for the prediction of sepsis: a systematic review and meta-analysis of diagnostic test accuracy. <i>Intensive Care Medicine</i> , 2020, 46, 383-400.	3.9	313
168	Fighting healthcare rocketing costs with value-based medicine: the case of stroke management. <i>BMC Health Services Research</i> , 2020, 20, 75.	0.9	4
169	Increasing Complexity to Simplify Clinical Care: High Resolution Mass Spectrometry as an Enabler of AI Guided Clinical and Therapeutic Monitoring. <i>Advanced Therapeutics</i> , 2020, 3, 1900163.	1.6	1
170	How to Design AI for Social Good: Seven Essential Factors. <i>Science and Engineering Ethics</i> , 2020, 26, 1771-1796.	1.7	147
171	Infectious Disease Research in the Era of Big Data. <i>Annual Review of Biomedical Data Science</i> , 2020, 3, 43-59.	2.8	10
172	A boosting inspired personalized threshold method for sepsis screening. <i>Journal of Applied Statistics</i> , 2021, 48, 154-175.	0.6	0
173	Sepsis in the critically ill patient: current and emerging management strategies. <i>Expert Review of Anti-Infective Therapy</i> , 2021, 19, 635-647.	2.0	12
174	A deep learning approach for sepsis monitoring via severity score estimation. <i>Computer Methods and Programs in Biomedicine</i> , 2021, 198, 105816.	2.6	30
175	Evaluating recommender systems for AI-driven biomedical informatics. <i>Bioinformatics</i> , 2021, 37, 250-256.	1.8	13
176	Improving Septic Shock Prediction with AdaBoost and Cox Regression Model. , 2021, , .		3
177	A systematic review of rapid response applications based on early warning score for early detection of inpatient deterioration. <i>Informatics for Health and Social Care</i> , 2021, 46, 148-157.	1.4	5
178	A Survey of Challenges and Opportunities in Sensing and Analytics for Risk Factors of Cardiovascular Disorders. <i>ACM Transactions on Computing for Healthcare</i> , 2021, 2, 1-42.	3.3	3
179	Innovation on Machine Learning in Healthcare Services—An Introduction. <i>Studies in Computational Intelligence</i> , 2021, , 1-30.	0.7	3
181	Artificial intelligence in sepsis early prediction and diagnosis using unstructured data in healthcare. <i>Nature Communications</i> , 2021, 12, 711.	5.8	144
182	Development and validation of high definition phenotype-based mortality prediction in critical care units. <i>JAMIA Open</i> , 2021, 4, ooab004.	1.0	9
183	A novel artificial intelligence-assisted triage tool to aid in the diagnosis of suspected COVID-19 pneumonia cases in fever clinics. <i>Annals of Translational Medicine</i> , 2021, 9, 201-201.	0.7	42

#	ARTICLE	IF	CITATIONS
184	Real-time prediction of COVID-19 related mortality using electronic health records. <i>Nature Communications</i> , 2021, 12, 1058.	5.8	41
185	Modeling multivariate clinical event time-series with recurrent temporal mechanisms. <i>Artificial Intelligence in Medicine</i> , 2021, 112, 102021.	3.8	17
186	Early Detection of Sepsis With Machine Learning Techniques: A Brief Clinical Perspective. <i>Frontiers in Medicine</i> , 2021, 8, 617486.	1.2	32
187	DeepAISE – An interpretable and recurrent neural survival model for early prediction of sepsis. <i>Artificial Intelligence in Medicine</i> , 2021, 113, 102036.	3.8	33
188	Decision tree modeling in R software to aid clinical decision making. <i>Health and Technology</i> , 2021, 11, 535-545.	2.1	1
189	Noninvasive Real-Time Mortality Prediction in Intensive Care Units Based on Gradient Boosting Method: Model Development and Validation Study. <i>JMIR Medical Informatics</i> , 2021, 9, e23888.	1.3	2
190	International gestational age-specific centiles for blood pressure in pregnancy from the INTERGROWTH-21st Project in 8 countries: A longitudinal cohort study. <i>PLoS Medicine</i> , 2021, 18, e1003611.	3.9	9
191	Neural network predicts need for red blood cell transfusion for patients with acute gastrointestinal bleeding admitted to the intensive care unit. <i>Scientific Reports</i> , 2021, 11, 8827.	1.6	11
192	Determining the Electronic Signature of Infection in Electronic Health Record Data. <i>Critical Care Medicine</i> , 2021, 49, e673-e682.	0.4	13
193	Performance of universal early warning scores in different patient subgroups and clinical settings: a systematic review. <i>BMJ Open</i> , 2021, 11, e045849.	0.8	12
194	TOP-Net Prediction Model Using Bidirectional Long Short-term Memory and Medical-Grade Wearable Multisensor System for Tachycardia Onset: Algorithm Development Study. <i>JMIR Medical Informatics</i> , 2021, 9, e18803.	1.3	14
195	HeMA: A hierarchically enriched machine learning approach for managing false alarms in real time: A sepsis prediction case study. <i>Computers in Biology and Medicine</i> , 2021, 131, 104255.	3.9	8
196	MGP-AttTCN: An interpretable machine learning model for the prediction of sepsis. <i>PLoS ONE</i> , 2021, 16, e0251248.	1.1	16
197	Using information theory to optimize a diagnostic threshold to match physician-ordering practice. <i>Journal of Biomedical Informatics</i> , 2021, 117, 103756.	2.5	1
198	Diagnostic and prognostic capabilities of a biomarker and EMR-based machine learning algorithm for sepsis. <i>Clinical and Translational Science</i> , 2021, 14, 1578-1589.	1.5	12
199	Optimal sepsis patient treatment using human-in-the-loop artificial intelligence. <i>Expert Systems With Applications</i> , 2021, 169, 114476.	4.4	5
201	Developing an Explainable Machine Learning-Based Personalised Dementia Risk Prediction Model: A Transfer Learning Approach With Ensemble Learning Algorithms. <i>Frontiers in Big Data</i> , 2021, 4, 613047.	1.8	31
202	Kinematics approach with neural networks for early detection of sepsis (KANNEDS). <i>BMC Medical Informatics and Decision Making</i> , 2021, 21, 163.	1.5	1

#	ARTICLE	IF	CITATIONS
203	Toward Causal Representation Learning. Proceedings of the IEEE, 2021, 109, 612-634.	16.4	327
205	Use of deep learning to develop continuous-risk models for adverse event prediction from electronic health records. Nature Protocols, 2021, 16, 2765-2787.	5.5	41
207	Comparing machine learning algorithms for predicting ICU admission and mortality in COVID-19. Npj Digital Medicine, 2021, 4, 87.	5.7	97
208	Generalization in Clinical Prediction Models: The Blessing and Curse of Measurement Indicator Variables. , 2021, 3, e0453.		9
209	Towards an Explainable Model for Sepsis Detection Based on Sensitivity Analysis. Irbm, 2022, 43, 75-86.	3.7	4
210	Prediction of Impending Septic Shock in Children With Sepsis. , 2021, 3, e0442.		7
211	Stakeholder Perspectives on an Inpatient Hypoglycemia Informatics Alert: Mixed Methods Study. JMIR Human Factors, 2021, 8, e31214.	1.0	2
213	Artificial intelligence in perioperative management of major gastrointestinal surgeries. World Journal of Gastroenterology, 2021, 27, 2758-2770.	1.4	8
214	A simulation-based evaluation of machine learning models for clinical decision support: application and analysis using hospital readmission. Npj Digital Medicine, 2021, 4, 98.	5.7	13
215	External Validation of a Widely Implemented Proprietary Sepsis Prediction Model in Hospitalized Patients. JAMA Internal Medicine, 2021, 181, 1065-1070.	2.6	299
216	Machine Learning for Early Warning of Septic Shock in Children With Hematological Malignancies Accompanied by Fever or Neutropenia: A Single Center Retrospective Study. Frontiers in Oncology, 2021, 11, 678743.	1.3	8
217	Real-time Mortality Prediction Using MIMIC-IV ICU Data Via Boosted Nonparametric Hazards. , 2021, , .		6
218	Non-occlusive mesenteric ischemia: Diagnostic challenges and perspectives in the era of artificial intelligence. World Journal of Gastroenterology, 2021, 27, 4088-4103.	1.4	19
219	A Locally Optimized Data-Driven Tool to Predict Sepsis-Associated Vasopressor Use in the ICU. Critical Care Medicine, 2021, 49, e1196-e1205.	0.4	13
220	A correlation matrix-based tensor decomposition method for early prediction of sepsis from clinical data. Biocybernetics and Biomedical Engineering, 2021, 41, 1013-1024.	3.3	12
221	Evaluating a Widely Implemented Proprietary Deterioration Index Model among Hospitalized Patients with COVID-19. Annals of the American Thoracic Society, 2021, 18, 1129-1137.	1.5	66
222	Ambulatory Risk Models for the Long-Term Prevention of Sepsis: Retrospective Study. JMIR Medical Informatics, 2021, 9, e29986.	1.3	2
224	Technological readiness and implementation of genomicâ€driven precision medicine for complex diseases. Journal of Internal Medicine, 2021, 290, 602-620.	2.7	18

#	ARTICLE	IF	CITATIONS
225	An Explainable Machine Learning Model for Early Prediction of Sepsis Using ICU Data. , 0, , .		3
226	Tensor learning of pointwise mutual information from EHR data for early prediction of sepsis. Computers in Biology and Medicine, 2021, 134, 104430.	3.9	20
227	The Surviving Sepsis Campaign: research priorities for the administration, epidemiology, scoring and identification of sepsis. Intensive Care Medicine Experimental, 2021, 9, 34.	0.9	27
228	Physiological machine learning models for prediction of sepsis in hospitalized adults: An integrative review. Intensive and Critical Care Nursing, 2021, 65, 103035.	1.4	10
229	Impact of Artificial Intelligence Integration on Surgical Outcome. Journal of the Dow University of Health Sciences, 2021, 15, .	0.2	0
230	Modeling and prediction of pressure injury in hospitalized patients using artificial intelligence. BMC Medical Informatics and Decision Making, 2021, 21, 253.	1.5	16
231	Artificial intelligence sepsis prediction algorithm learns to say "I don't know". Npj Digital Medicine, 2021, 4, 134.	5.7	38
232	Towards Pharma 4.0 in clinical trials: A future-orientated perspective. Drug Discovery Today, 2022, 27, 315-325.	3.2	12
233	Continuous cardiorespiratory monitoring is a dominant source of predictive signal in machine learning for risk stratification and clinical decision support *. Physiological Measurement, 2021, 42, 090301.	1.2	11
234	Predicting postoperative opioid use with machine learning and insurance claims in opioid-naïve patients. American Journal of Surgery, 2021, 222, 659-665.	0.9	9
235	Metagenomic evidence for a polymicrobial signature of sepsis. Microbial Genomics, 2021, 7, .	1.0	6
236	Scope and challenges of machine learning-based diagnosis and prognosis in clinical dentistry: A literature review. Journal of Clinical and Translational Research, 0, , .	0.3	3
237	Unifying Domain Adaptation and Domain Generalization for Robust Prediction Across Minority Racial Groups. Lecture Notes in Computer Science, 2021, , 521-537.	1.0	3
238	Rethinking animal models of sepsis " working towards improved clinical translation whilst integrating the 3Rs. Clinical Science, 2020, 134, 1715-1734.	1.8	12
239	Prevalence of Co-infection at the Time of Hospital Admission in COVID-19 Patients, A Multicenter Study. Open Forum Infectious Diseases, 2021, 8, ofaa578.	0.4	91
240	Transforming clinical data into wisdom. Nursing Management, 2020, 51, 24-30.	0.2	13
241	Coronavirus Disease 2019 Calls for Predictive Analytics Monitoring" A New Kind of Illness Scoring System. , 2020, 2, e0294.		14
242	Temporal Differential Expression of Physiometers Predicts Sepsis in Critically Ill Adults. Shock, 2020, Publish Ahead of Print, 58-64.	1.0	28

#	ARTICLE	IF	CITATIONS
248	An Adversarial Domain Separation Framework for Septic Shock Early Prediction Across EHR Systems. , 2020, , .		4
249	Evidence-based Clinical Decision Support Systems for the prediction and detection of three disease states in critical care: A systematic literature review. F1000Research, 2019, 8, 1728.	0.8	12
250	Evidence-based Clinical Decision Support Systems for the prediction and detection of three disease states in critical care: A systematic literature review. F1000Research, 2019, 8, 1728.	0.8	19
251	Creating an automated trigger for sepsis clinical decision support at emergency department triage using machine learning. PLoS ONE, 2017, 12, e0174708.	1.1	208
252	Phycotoxins by Harmful Algal Blooms (HABS) and Human Poisoning: An Overview. International Clinical Pathology Journal, 2016, 2, .	0.1	21
253	Automated early warning system for septic shock: the new way to achieve intensive care unit quality improvement?. Annals of Translational Medicine, 2017, 5, 17-17.	0.7	2
254	Designing AI for Social Good: Seven Essential Factors. SSRN Electronic Journal, 0, , .	0.4	30
255	Real-World Integration of a Sepsis Deep Learning Technology Into Routine Clinical Care: Implementation Study. JMIR Medical Informatics, 2020, 8, e15182.	1.3	86
256	Development of a Real-Time Risk Prediction Model for In-Hospital Cardiac Arrest in Critically Ill Patients Using Deep Learning: Retrospective Study. JMIR Medical Informatics, 2020, 8, e16349.	1.3	15
257	Detection of Bacteremia in Surgical In-Patients Using Recurrent Neural Network Based on Time Series Records: Development and Validation Study. Journal of Medical Internet Research, 2020, 22, e19512.	2.1	12
258	Prognostic Modeling of COVID-19 Using Artificial Intelligence in the United Kingdom: Model Development and Validation. Journal of Medical Internet Research, 2020, 22, e20259.	2.1	71
259	Clinical Predictive Models for COVID-19: Systematic Study. Journal of Medical Internet Research, 2020, 22, e21439.	2.1	70
260	Prediction of Sepsis in the Intensive Care Unit With Minimal Electronic Health Record Data: A Machine Learning Approach. JMIR Medical Informatics, 2016, 4, e28.	1.3	331
261	A Path for Translation of Machine Learning Products into Healthcare Delivery. European Medical Journal Innovations, 0, , .	2.0	22
262	Spectral clustering of risk score trajectories stratifies sepsis patients by clinical outcome and interventions received. ELife, 2020, 9, .	2.8	15
263	Machine learning and artificial intelligence: applications in healthcare epidemiology. Antimicrobial Stewardship & Healthcare Epidemiology, 2021, 1, .	0.2	15
264	Sepsis prediction, early detection, and identification using clinical text for machine learning: a systematic review. Journal of the American Medical Informatics Association: JAMIA, 2022, 29, 559-575.	2.2	31
265	Timing of antibiotic therapy in the ICU. Critical Care, 2021, 25, 360.	2.5	54

#	ARTICLE	IF	CITATIONS
266	Performance Metrics for the Comparative Analysis of Clinical Risk Prediction Models Employing Machine Learning. <i>Circulation: Cardiovascular Quality and Outcomes</i> , 2021, 14, e007526.	0.9	24
267	Machine learning identification of specific changes in myeloid cell phenotype during bloodstream infections. <i>Scientific Reports</i> , 2021, 11, 20288.	1.6	2
268	The Evolving Definition of Sepsis. <i>International Clinical Pathology Journal</i> , 2016, 2, .	0.1	1
277	CXCR5 down-regulation alleviates cognitive dysfunction in a mouse model of sepsis-associated encephalopathy: potential role of microglial autophagy and the p38MAPK/NF- κ B/STAT3 signaling pathway. <i>Journal of Neuroinflammation</i> , 2021, 18, 246.	3.1	33
278	MuLan: Multilevel Language-based Representation Learning for Disease Progression Modeling. , 2020, , .		3
280	An Initial Study on Adapting DTW at Individual Query for Electrocardiogram Analysis. <i>Lecture Notes in Computer Science</i> , 2020, , 213-228.	1.0	0
282	How to Design AI for Social Good: Seven Essential Factors. <i>Philosophical Studies Series</i> , 2021, , 125-151.	1.3	11
285	Association of prematurity with complications and failure to rescue in neonatal surgery. <i>Journal of Pediatric Surgery</i> , 2022, 57, 268-276.	0.8	6
287	Predicting intervention onset in the ICU with switching state space models. <i>AMIA Summits on Translational Science Proceedings</i> , 2017, 2017, 82-91.	0.4	13
288	Leveraging Clinical Time-Series Data for Prediction: A Cautionary Tale. <i>AMIA ... Annual Symposium proceedings</i> , 2017, 2017, 1571-1580.	0.2	7
289	Scope and challenges of machine learning-based diagnosis and prognosis in clinical dentistry: A literature review. <i>Journal of Clinical and Translational Research</i> , 2021, 7, 523-539.	0.3	2
290	Learning from Few Subjects with Large Amounts of Voice Monitoring Data. <i>Proceedings of Machine Learning Research</i> , 2019, 106, 704-720.	0.3	0
291	Predicting clinical events using Bayesian multivariate linear mixed models with application to scleroderma. <i>BMC Medical Research Methodology</i> , 2021, 21, 249.	1.4	0
292	Early prediction of hemodynamic interventions in the intensive care unit using machine learning. <i>Critical Care</i> , 2021, 25, 388.	2.5	11
293	Understanding the complexity of sepsis mortality prediction via rule discovery and analysis: a pilot study. <i>BMC Medical Informatics and Decision Making</i> , 2021, 21, 334.	1.5	4
295	Early Identification of Patients at Risk of Sepsis in a Hospital Environment. <i>Brazilian Archives of Biology and Technology</i> , 2021, 64, .	0.5	0
297	Promoting Patient Safety through Machine Learning. , 2020, , .		0
298	Multimodal Early Septic Shock Prediction Model using Lasso Regression with Decaying Response. , 2020, , .		1

#	ARTICLE	IF	CITATIONS
300	A Machine Learning Understanding of Sepsis. , 2021, 2021, 2175-2179.		2
302	Ideal algorithms in healthcare: Explainable, dynamic, precise, autonomous, fair, and reproducible. , 2022, 1, e0000006.		29
303	Prediction of sepsis onset in hospital admissions using survival analysis. Journal of Clinical Monitoring and Computing, 2022, 36, 1611-1619.	0.7	1
304	Transportability and Implementation Challenges of Early Warning Scores for Septic Shock in the ICU: A Perspective on the TREWScore. Frontiers in Medicine, 2021, 8, 793815.	1.2	0
306	The principles of whole-hospital predictive analytics monitoring for clinical medicine originated in the neonatal ICU. Npj Digital Medicine, 2022, 5, 41.	5.7	8
307	Workflow Integration of Research AI Tools into a Hospital Radiology Rapid Prototyping Environment. Journal of Digital Imaging, 2022, , 1.	1.6	0
309	A Machine Learning-Enabled Partially Observable Markov Decision Process Framework for Early Sepsis Prediction. INFORMS Journal on Computing, 2022, 34, 2039-2057.	1.0	5
311	Dynamic forecasting of severe acute graft-versus-host disease after transplantation. Nature Computational Science, 2022, 2, 153-159.	3.8	8
312	Enhanced Principal-Curve based Classifiers for Time-Series Label Prediction. , 2021, , .		0
313	ML Assistance in Cancer Detection & Treatment. , 2021, , .		0
314	Automatic detection of infectious diarrhea based on electronic medical records. , 2021, , .		0
315	Leveraging Machine Learning to Predict 30-Day Hospital Readmission After Cardiac Surgery. Annals of Thoracic Surgery, 2022, 114, 2173-2179.	0.7	8
316	On Missingness Features in Machine Learning Models for Critical Care: Observational Study. JMIR Medical Informatics, 2021, 9, e25022.	1.3	1
318	Using Machine Learning to Support Transfer of Best Practices in Healthcare.. AMIA ... Annual Symposium proceedings, 2021, 2021, 265-274.	0.2	0
319	Using Machine Learning for Early Prediction of Cardiogenic Shock in Patients With Acute Heart Failure. , 2022, 1, 100308.		6
320	Artificial intelligence: A new tool in surgeon's hand. Journal of Education and Health Promotion, 2022, 11, 93.	0.3	4
321	Artificial intelligence on the doorstep of the laboratory. Laboratornaya Sluzhba, 2022, 11, 18.	0.0	0
323	Tell me something interesting: Clinical utility of machine learning prediction models in the ICU. Journal of Biomedical Informatics, 2022, 132, 104107.	2.5	2

#	ARTICLE	IF	CITATIONS
324	Learning to Adapt Dynamic Clinical Event Sequences with Residual Mixture of Experts. Lecture Notes in Computer Science, 2022, , 155-166.	1.0	1
326	Machine Learning Methods in Health Economics and Outcomes Researchâ€”The PALISADE Checklist: A Good Practices Report of an ISPOR Task Force. Value in Health, 2022, 25, 1063-1080.	0.1	24
327	Shifting machine learning for healthcare from development to deployment and from models to data. Nature Biomedical Engineering, 2022, 6, 1330-1345.	11.6	69
328	Humanâ€”machine teaming is key to AI adoption: cliniciansâ€™ experiences with a deployed machine learning system. Npj Digital Medicine, 2022, 5, .	5.7	55
329	Conditional generation of medical time series for extrapolation to underrepresented populations. , 2022, 1, e0000074.		0
330	Prospective, multi-site study of patient outcomes after implementation of the TREWS machine learning-based early warning system for sepsis. Nature Medicine, 2022, 28, 1455-1460.	15.2	88
331	Factors driving provider adoption of the TREWS machine learning-based early warning system and its effects on sepsis treatment timing. Nature Medicine, 2022, 28, 1447-1454.	15.2	36
332	Bias or biology? Importance of model interpretation in machine learning studies from electronic health records. JAMIA Open, 2022, 5, .	1.0	4
333	Early Clinical Management of Sepsis: Past, Present, and Future. Journal of Translational Critical Care Medicine, 2022, 4, 14.	0.0	0
334	Reconstructing Missing EHRs Using Time-Aware Within- and Cross-Visit Information for Septic Shock Early Prediction. , 2022, , .		2
335	EventScore: An Automated Real-time Early Warning Score for Clinical Events. , 2022, , .		0
338	Early prediction of hypothermia in pediatric intensive care units using machine learning. Frontiers in Physiology, 0, 13, .	1.3	1
339	Impaired Circulating Antibody-Secreting Cells Generation Predicts the Dismal Outcome in the Elderly Septic Shock Patients. Journal of Inflammation Research, 0, Volume 15, 5293-5308.	1.6	1
340	Development and Comparative Performance of Physiologic Monitoring Strategies in the Emergency Department. JAMA Network Open, 2022, 5, e2233712.	2.8	0
343	Exploring Drivers of Staff Engagement in Healthcare Organizations Using Tree-Based Machine Learning Algorithms. IEEE Transactions on Engineering Management, 2023, 70, 2988-2997.	2.4	3
344	Artificial Intelligence and Big Data Science in Neurocritical Care. Critical Care Clinics, 2023, 39, 235-242.	1.0	4
345	Big Data and Cardiology: Time for Mass Analytics?. European Medical Journal (Chelmsford, England), 0, , .	3.0	0
346	An hybrid technique for optimized clustering of EHR using binary particle swarm and constrained optimization for better performance in prediction of cardiovascular diseases. Measurement: Sensors, 2023, 25, 100577.	1.3	0

#	ARTICLE	IF	CITATIONS
347	Improving Sepsis Prediction Performance Using Conditional Recurrent Adversarial Networks. IEEE Access, 2022, 10, 134466-134476.	2.6	5
348	SEPRES: ICU clinical data integration system to predict sepsis. Applied Clinical Informatics, 0, , .	0.8	1
349	Research frontiers and trends in the application of artificial intelligence to sepsis: A bibliometric analysis. Frontiers in Medicine, 0, 9, .	1.2	2
350	Transferability and interpretability of the sepsis prediction models in the intensive care unit. BMC Medical Informatics and Decision Making, 2022, 22, .	1.5	4
351	Interpretable machine learning models for predicting in-hospital death in patients in the intensive care unit with cerebral infarction. Computer Methods and Programs in Biomedicine, 2023, 231, 107431.	2.6	1
352	HMM-Boost: Improved Time Series State Prediction Via Supervised Hidden Markov Models: Case Studies in Epileptic Seizure and Complex Care Management. , 2022, , .		0
353	Machine learning and deep learning in medicine and neuroimaging. , 2023, 1, 102-122.		4
356	Exploring a global interpretation mechanism for deep learning networks when predicting sepsis. Scientific Reports, 2023, 13, .	1.6	2
357	Diagnosis and Monitoring of Sepsis. , 2023, , 55-64.		0
358	Dynamic Prediction of Patient Outcomes in the Intensive Care Unit: A Scoping Review of the State-of-the-Art. Journal of Intensive Care Medicine, 2023, 38, 575-591.	1.3	4
360	Digital Twin in Health Care. , 2023, , 209-231.		1
361	Investigating the performance of machine learning algorithms in predicting the survival of COVID-19 patients: A cross section study of Iran. Health Science Reports, 2023, 6, .	0.6	0
371	LXLMEPS: Leveraging the XGB-ICE-Based Model for Early Prediction of Sepsis. Lecture Notes in Computer Science, 2023, , 416-427.	1.0	0
372	Machine Learning Models for Early Prediction of Malignancy in Sepsis Using Clinical Dataset. , 2023, , .		0
383	Earlier identification of hypertensive events in a telemonitoring system. , 2023, , .		0
384	Predicting Real-time, Recurrent Adverse Invasive Ventilation from Clinical Data Streams. , 2023, , .		0