

Leo Anthony Celi

List of Publications by Citations

Source: <https://exaly.com/author-pdf/819412/leo-anthony-celi-publications-by-citations.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

207
papers

7,221
citations

35
h-index

81
g-index

239
ext. papers

10,332
ext. citations

6.2
avg. IF

6.43
L-index

#	Paper	IF	Citations
207	MIMIC-III, a freely accessible critical care database. <i>Scientific Data</i> , 2016 , 3, 160035	8.2	2048
206	The Artificial Intelligence Clinician learns optimal treatment strategies for sepsis in intensive care. <i>Nature Medicine</i> , 2018 , 24, 1716-1720	50.5	324
205	The murine CAR homolog is a receptor for coxsackie B viruses and adenoviruses. <i>Journal of Virology</i> , 1998 , 72, 415-9	6.6	308
204	The eICU Collaborative Research Database, a freely available multi-center database for critical care research. <i>Scientific Data</i> , 2018 , 5, 180178	8.2	265
203	Early intervention with erythropoietin does not affect the outcome of acute kidney injury (the EARLYARF trial). <i>Kidney International</i> , 2010 , 77, 1020-30	9.9	189
202	Big data in global health: improving health in low- and middle-income countries. <i>Bulletin of the World Health Organization</i> , 2015 , 93, 203-8	8.2	145
201	Mechanical power of ventilation is associated with mortality in critically ill patients: an analysis of patients in two observational cohorts. <i>Intensive Care Medicine</i> , 2018 , 44, 1914-1922	14.5	143
200	ICU admission characteristics and mortality rates among elderly and very elderly patients. <i>Intensive Care Medicine</i> , 2012 , 38, 1654-61	14.5	140
199	The MIMIC Code Repository: enabling reproducibility in critical care research. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2018 , 25, 32-39	8.6	125
198	Healer, heal thyself: health care workers and the influenza vaccination. <i>American Journal of Infection Control</i> , 2008 , 36, 1-4	3.8	122
197	Proton-pump inhibitor use is associated with low serum magnesium concentrations. <i>Kidney International</i> , 2013 , 83, 692-9	9.9	117
196	Human cerebrovascular and ventilatory CO ₂ reactivity to end-tidal, arterial and internal jugular vein PCO ₂ . <i>Journal of Physiology</i> , 2007 , 584, 347-57	3.9	109
195	The "inconvenient truth" about AI in healthcare. <i>Npj Digital Medicine</i> , 2019 , 2, 77	15.7	99
194	The eICU: it's not just telemedicine. <i>Critical Care Medicine</i> , 2001 , 29, N183-9	1.4	92
193	Guidelines for reinforcement learning in healthcare. <i>Nature Medicine</i> , 2019 , 25, 16-18	50.5	87
192	Peripheral Edema, Central Venous Pressure, and Risk of AKI in Critical Illness. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2016 , 11, 602-8	6.9	81
191	The association between the neutrophil-to-lymphocyte ratio and mortality in critical illness: an observational cohort study. <i>Critical Care</i> , 2015 , 19, 13	10.8	75

190	Comparing deep learning and concept extraction based methods for patient phenotyping from clinical narratives. <i>PLoS ONE</i> , 2018 , 13, e0192360	3.7	75
189	Transthoracic echocardiography and mortality in sepsis: analysis of the MIMIC-III database. <i>Intensive Care Medicine</i> , 2018 , 44, 884-892	14.5	71
188	The myth of generalisability in clinical research and machine learning in health care. <i>The Lancet Digital Health</i> , 2020 , 2, e489-e492	14.4	69
187	State of the art review: the data revolution in critical care. <i>Critical Care</i> , 2015 , 19, 118	10.8	65
186	Use of Palliative Care in Patients With End-Stage COPD and Receiving Home Oxygen: National Trends and Barriers to Care in the United States. <i>Chest</i> , 2017 , 151, 41-46	5.3	59
185	Making big data useful for health care: a summary of the inaugural mit critical data conference. <i>JMIR Medical Informatics</i> , 2014 , 2, e22	3.6	55
184	Human cerebral arteriovenous vasoactive exchange during alterations in arterial blood gases. <i>Journal of Applied Physiology</i> , 2008 , 105, 1060-8	3.7	53
183	Palliative care access for hospitalized patients with end-stage liver disease across the United States. <i>Hepatology</i> , 2017 , 66, 1585-1591	11.2	52
182	Dynamic cerebral autoregulation and baroreflex sensitivity during modest and severe step changes in arterial PCO ₂ . <i>Brain Research</i> , 2008 , 1230, 115-24	3.7	52
181	Time-Limited Trials of Intensive Care for Critically Ill Patients With Cancer: How Long Is Long Enough?. <i>JAMA Oncology</i> , 2016 , 2, 76-83	13.4	51
180	The reproducibility crisis in the age of digital medicine. <i>Npj Digital Medicine</i> , 2019 , 2, 2	15.7	43
179	A Database-driven Decision Support System: Customized Mortality Prediction. <i>Journal of Personalized Medicine</i> , 2012 , 2, 138-48	3.6	42
178	Differential effects of acute hypoxia and high altitude on cerebral blood flow velocity and dynamic cerebral autoregulation: alterations with hyperoxia. <i>Journal of Applied Physiology</i> , 2008 , 104, 490-8	3.7	42
177	The Minimal Effect of Zinc on the Survival of Hospitalized Patients With COVID-19: An Observational Study. <i>Chest</i> , 2021 , 159, 108-111	5.3	42
176	Dynamic data during hypotensive episode improves mortality predictions among patients with sepsis and hypotension. <i>Critical Care Medicine</i> , 2013 , 41, 954-62	1.4	41
175	A "datathon" model to support cross-disciplinary collaboration. <i>Science Translational Medicine</i> , 2016 , 8, 333ps8	17.5	39
174	Crowdsourcing knowledge discovery and innovations in medicine. <i>Journal of Medical Internet Research</i> , 2014 , 16, e216	7.6	38
173	The hackathon model to spur innovation around global mHealth. <i>Journal of Medical Engineering and Technology</i> , 2016 , 40, 392-399	1.8	34

172	A Clinical Database-Driven Approach to Decision Support: Predicting Mortality Among Patients with Acute Kidney Injury. <i>Journal of Healthcare Engineering</i> , 2011 , 2, 97-110	3.7	34
171	Trends in severity of illness on ICU admission and mortality among the elderly. <i>PLoS ONE</i> , 2014 , 9, e93234	3.7	34
170	What do medical students actually need to know about artificial intelligence?. <i>Npj Digital Medicine</i> , 2020 , 3, 86	15.7	33
169	Effect of Protocolized Sedation on Clinical Outcomes in Mechanically Ventilated Intensive Care Unit Patients: A Systematic Review and Meta-analysis of Randomized Controlled Trials. <i>Mayo Clinic Proceedings</i> , 2015 , 90, 613-23	6.4	32
168	Data sharing in the era of COVID-19. <i>The Lancet Digital Health</i> , 2020 , 2, e224	14.4	32
167	Acute Respiratory Distress Syndrome in Pregnant Women. <i>Obstetrics and Gynecology</i> , 2017 , 129, 530-535	1.9	31
166	A data-driven approach to optimized medication dosing: a focus on heparin. <i>Intensive Care Medicine</i> , 2014 , 40, 1332-9	14.5	31
165	Dynamic clinical data mining: search engine-based decision support. <i>JMIR Medical Informatics</i> , 2014 , 2, e13	3.6	31
164	Leveraging a critical care database: selective serotonin reuptake inhibitor use prior to ICU admission is associated with increased hospital mortality. <i>Chest</i> , 2014 , 145, 745-752	5.3	29
163	Impact of hospital case-volume on subarachnoid hemorrhage outcomes: A nationwide analysis adjusting for hemorrhage severity. <i>Journal of Critical Care</i> , 2017 , 37, 240-243	4	27
162	An artificial intelligence tool to predict fluid requirement in the intensive care unit: a proof-of-concept study. <i>Critical Care</i> , 2008 , 12, R151	10.8	27
161	Severity of acute kidney injury and two-year outcomes in critically ill patients. <i>Chest</i> , 2013 , 144, 866-875	5.3	26
160	Reinforcement Learning for Clinical Decision Support in Critical Care: Comprehensive Review. <i>Journal of Medical Internet Research</i> , 2020 , 22, e18477	7.6	26
159	Urban Intelligence for Pandemic Response: Viewpoint. <i>JMIR Public Health and Surveillance</i> , 2020 , 6, e18873	1.4	26
158	Hyperdynamic left ventricular ejection fraction in the intensive care unit. <i>Critical Care</i> , 2015 , 19, 288	10.8	25
157	Critical Care, Critical Data. <i>Biomedical Engineering and Computational Biology</i> , 2019 , 10, 1179597219856564	5.64	24
156	Intensive Care Unit Telemedicine in the Era of Big Data, Artificial Intelligence, and Computer Clinical Decision Support Systems. <i>Critical Care Clinics</i> , 2019 , 35, 483-495	4.5	24
155	Hacking Hackathons: Preparing the next generation for the multidisciplinary world of healthcare technology. <i>International Journal of Medical Informatics</i> , 2018 , 112, 1-5	5.3	24

154	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	8.6	24
153	Applying machine learning to continuously monitored physiological data. <i>Journal of Clinical Monitoring and Computing</i> , 2019 , 33, 887-893	2	24
152	An awakening in medicine: the partnership of humanity and intelligent machines. <i>The Lancet Digital Health</i> , 2019 , 1, e255-e257	14.4	23
151	Association between chronic exposure to air pollution and mortality in the acute respiratory distress syndrome. <i>Environmental Pollution</i> , 2017 , 224, 352-356	9.3	22
150	Model for End-Stage Liver Disease score predicts mortality in critically ill cirrhotic patients. <i>Journal of Critical Care</i> , 2014 , 29, 881.e7-13	4	22
149	Bridging the Health Data Divide. <i>Journal of Medical Internet Research</i> , 2016 , 18, e325	7.6	22
148	Disrupting Electronic Health Records Systems: The Next Generation. <i>JMIR Medical Informatics</i> , 2015 , 3, e34	3.6	22
147	Scalable Predictive Analysis in Critically Ill Patients Using a Visual Open Data Analysis Platform. <i>PLoS ONE</i> , 2016 , 11, e0145791	3.7	22
146	Optimal data systems: the future of clinical predictions and decision support. <i>Current Opinion in Critical Care</i> , 2014 , 20, 573-80	3.5	21
145	Sustained low-efficiency dialysis with filtration (SLEDD-f) in the management of acute sodium valproate intoxication. <i>Hemodialysis International</i> , 2008 , 12, 211-4	1.7	21
144	Spontaneous hemothorax in a patient with neurofibromatosis type 1 and undiagnosed pheochromocytoma. <i>Annals of Thoracic Surgery</i> , 2007 , 84, 1021-3	2.7	21
143	The Association Between Admission Magnesium Concentrations and Lactic Acidosis in Critical Illness. <i>Journal of Intensive Care Medicine</i> , 2016 , 31, 187-92	3.3	20
142	Temporal Trends in Critical Care Outcomes in U.S. Minority-Serving Hospitals. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020 , 201, 681-687	10.2	20
141	Right Ventricular Function, Peripheral Edema, and Acute Kidney Injury in Critical Illness. <i>Kidney International Reports</i> , 2017 , 2, 1059-1065	4.1	20
140	Evaluation of individual and ensemble probabilistic forecasts of COVID-19 mortality in the US		20
139	Preparing a New Generation of Clinicians for the Era of Big Data 2015 , 2, 24-27		18
138	Feature selection and prediction of treatment failure in tuberculosis. <i>PLoS ONE</i> , 2018 , 13, e0207491	3.7	18
137	Increased incidence of diuretic use in critically ill obese patients. <i>Journal of Critical Care</i> , 2015 , 30, 619-23		17

136	Racial and Geographic Disparities in Interhospital ICU Transfers. <i>Critical Care Medicine</i> , 2018 , 46, e76-e80.	1.4	17
135	Effect of Boarding on Mortality in ICUs. <i>Critical Care Medicine</i> , 2018 , 46, 525-531	1.4	17
134	The Association Between Indwelling Arterial Catheters and Mortality in Hemodynamically Stable Patients With Respiratory Failure: A Propensity Score Analysis. <i>Chest</i> , 2015 , 148, 1470-1476	5.3	17
133	Machine Learning for Pulmonary and Critical Care Medicine: A Narrative Review. <i>Pulmonary Therapy</i> , 2020 , 6, 67-77	3	17
132	The clinical artificial intelligence department: a prerequisite for success. <i>BMJ Health and Care Informatics</i> , 2020 , 27,	2.6	17
131	Proton Pump Inhibitors Are Not Associated With Acute Kidney Injury in Critical Illness. <i>Journal of Clinical Pharmacology</i> , 2016 , 56, 1500-1506	2.9	17
130	Behind the scenes: A medical natural language processing project. <i>International Journal of Medical Informatics</i> , 2018 , 112, 68-73	5.3	16
129	Pharmacovigilance: an active surveillance system to proactively identify risks for adverse events. <i>Population Health Management</i> , 2013 , 16, 147-9	1.8	15
128	Association of hypermagnesemia and blood pressure in the critically ill. <i>Journal of Hypertension</i> , 2013 , 31, 2136-41; discussion 2141	1.9	15
127	Association of Household Income Level and In-Hospital Mortality in Patients With Sepsis: A Nationwide Retrospective Cohort Analysis. <i>Journal of Intensive Care Medicine</i> , 2018 , 33, 551-556	3.3	14
126	The PLOS ONE collection on machine learning in health and biomedicine: Towards open code and open data. <i>PLoS ONE</i> , 2019 , 14, e0210232	3.7	14
125	Outcomes of Ventilated Patients With Sepsis Who Undergo Interhospital Transfer: A Nationwide Linked Analysis. <i>Critical Care Medicine</i> , 2018 , 46, e81-e86	1.4	14
124	Outcomes of in-hospital cardiopulmonary resuscitation for patients with end-stage liver disease. <i>Liver International</i> , 2019 , 39, 1256-1262	7.9	13
123	Predicting Intensive Care Unit admission among patients presenting to the emergency department using machine learning and natural language processing. <i>PLoS ONE</i> , 2020 , 15, e0229331	3.7	13
122	Promoting Secondary Analysis of Electronic Medical Records in China: Summary of the PLAGH-MIT Critical Data Conference and Health Datathon. <i>JMIR Medical Informatics</i> , 2017 , 5, e43	3.6	13
121	The Effect of ARDS on Survival: Do Patients Die From ARDS or With ARDS?. <i>Journal of Intensive Care Medicine</i> , 2019 , 34, 374-382	3.3	13
120	Patterns of Palliative Care Referral in Patients Admitted With Heart Failure Requiring Mechanical Ventilation. <i>American Journal of Hospice and Palliative Medicine</i> , 2018 , 35, 620-626	2.6	13
119	Evaluation of individual and ensemble probabilistic forecasts of COVID-19 mortality in the United States.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119, e2113561119	11.5	11 ³

118	The association between sodium fluctuations and mortality in surgical patients requiring intensive care. <i>Journal of Critical Care</i> , 2017 , 40, 63-68	4	12
117	Risk of mortality and cardiopulmonary arrest in critical patients presenting to the emergency department using machine learning and natural language processing. <i>PLoS ONE</i> , 2020 , 15, e0230876	3.7	12
116	Access to Palliative Care for Patients Undergoing Mechanical Ventilation With Idiopathic Pulmonary Fibrosis in the United States. <i>American Journal of Hospice and Palliative Medicine</i> , 2018 , 35, 492-496	2.6	12
115	Challenges and Opportunities in Secondary Analyses of Electronic Health Record Data 2016 , 17-26		12
114	COVID-19: Putting the General Data Protection Regulation to the Test. <i>JMIR Public Health and Surveillance</i> , 2020 , 6, e19279	11.4	12
113	Assessment of Intensive Care Unit Laboratory Values That Differ From Reference Ranges and Association With Patient Mortality and Length of Stay. <i>JAMA Network Open</i> , 2018 , 1, e184521	10.4	12
112	Developing well-calibrated illness severity scores for decision support in the critically ill. <i>Npj Digital Medicine</i> , 2019 , 2, 76	15.7	11
111	Beyond open big data: addressing unreliable research. <i>Journal of Medical Internet Research</i> , 2014 , 16, e259	7.6	11
110	Performance of intensive care unit severity scoring systems across different ethnicities in the USA: a retrospective observational study. <i>The Lancet Digital Health</i> , 2021 , 3, e241-e249	14.4	11
109	Real-time prediction of COVID-19 related mortality using electronic health records. <i>Nature Communications</i> , 2021 , 12, 1058	17.4	11
108	Severity of Illness Scores May Misclassify Critically Ill Obese Patients. <i>Critical Care Medicine</i> , 2018 , 46, 394-400	1.4	11
107	Admission Peripheral Edema, Central Venous Pressure, and Survival in Critically Ill Patients. <i>Annals of the American Thoracic Society</i> , 2016 , 13, 705-11	4.7	10
106	Equity in essence: a call for operationalising fairness in machine learning for healthcare. <i>BMJ Health and Care Informatics</i> , 2021 , 28,	2.6	10
105	Impact of Intensive Care Unit Discharge Delays on Patient Outcomes: A Retrospective Cohort Study. <i>Journal of Intensive Care Medicine</i> , 2019 , 34, 924-929	3.3	10
104	Assessing team effectiveness and affective learning in a datathon. <i>International Journal of Medical Informatics</i> , 2018 , 112, 40-44	5.3	9
103	Clinical Note Creation, Binning, and Artificial Intelligence. <i>JMIR Medical Informatics</i> , 2017 , 5, e24	3.6	9
102	Sodium modelling to reduce intradialytic hypotension during haemodialysis for acute kidney injury in the intensive care unit. <i>Nephrology</i> , 2016 , 21, 870-7	2.2	9
101	Engineering control into medicine. <i>Journal of Critical Care</i> , 2015 , 30, 652.e1-7	4	8

100	The challenge of local consent requirements for global critical care databases. <i>Intensive Care Medicine</i> , 2019 , 45, 246-248	14.5	8
99	Tackling Regional Public Health Issues Using Mobile Health Technology: Event Report of an mHealth Hackathon in Thailand. <i>JMIR MHealth and UHealth</i> , 2017 , 5, e155	5.5	8
98	AI Ethics Is Not a Panacea. <i>American Journal of Bioethics</i> , 2020 , 20, 20-22	1.1	8
97	Machine learning can accurately predict pre-admission baseline hemoglobin and creatinine in intensive care patients. <i>Npj Digital Medicine</i> , 2019 , 2, 116	15.7	8
96	The Impact of Chronic Ozone and Particulate Air Pollution on Mortality in Patients With Sepsis Across the United States. <i>Journal of Intensive Care Medicine</i> , 2020 , 35, 1002-1007	3.3	8
95	An Evaluation of the Influence of Body Mass Index on Severity Scoring. <i>Critical Care Medicine</i> , 2019 , 47, 247-253	1.4	7
94	Proton pump inhibitor use is not associated with cardiac arrhythmia in critically ill patients. <i>Journal of Clinical Pharmacology</i> , 2015 , 55, 774-9	2.9	7
93	From Pharmacovigilance to Clinical Care Optimization. <i>Big Data</i> , 2014 , 2, 134-141	3.1	7
92	"Yes, but will it work for patients?" Driving clinically relevant research with benchmark datasets. <i>Npj Digital Medicine</i> , 2020 , 3, 87	15.7	7
91	Accelerating ophthalmic artificial intelligence research: the role of an open access data repository. <i>Current Opinion in Ophthalmology</i> , 2020 , 31, 337-350	5.1	7
90	MIT COVID-19 Datathon: data without boundaries. <i>BMJ Innovations</i> , 2021 , 7, 231-234	1.8	7
89	Development and validation of a reinforcement learning algorithm to dynamically optimize mechanical ventilation in critical care. <i>Npj Digital Medicine</i> , 2021 , 4, 32	15.7	7
88	AI recognition of patient race in medical imaging: a modelling study.. <i>The Lancet Digital Health</i> , 2022 ,	14.4	7
87	Fuzzy Modeling to Predict Severely Depressed Left Ventricular Ejection Fraction following Admission to the Intensive Care Unit Using Clinical Physiology. <i>Scientific World Journal, The</i> , 2015 , 2015, 212703	2.2	6
86	The advent of medical artificial intelligence: lessons from the Japanese approach. <i>Journal of Intensive Care</i> , 2020 , 8, 35	7	6
85	Analysis of Discrepancies Between Pulse Oximetry and Arterial Oxygen Saturation Measurements by Race and Ethnicity and Association With Organ Dysfunction and Mortality. <i>JAMA Network Open</i> , 2021 , 4, e2131674	10.4	6
84	Big data in healthcare: are we close to it?. <i>Revista Brasileira De Terapia Intensiva</i> , 2016 , 28, 8-10	1.2	6
83	Analyzing the eICU Collaborative Research Database 2017 ,		5

82	Palliative medicine and hospital readmissions in end-stage liver disease. <i>BMJ Supportive and Palliative Care</i> , 2019 ,	2.2	5
81	Real-world characterization of blood glucose control and insulin use in the intensive care unit. <i>Scientific Reports</i> , 2020 , 10, 10718	4.9	5
80	Treatment in Disproportionately Minority Hospitals Is Associated With Increased Risk of Mortality in Sepsis: A National Analysis. <i>Critical Care Medicine</i> , 2020 , 48, 962-967	1.4	5
79	Datathons and Software to Promote Reproducible Research. <i>Journal of Medical Internet Research</i> , 2016 , 18, e230	7.6	5
78	Collective Experience: A Database-Fuelled, Inter-Disciplinary Team-Led Learning System. <i>Journal of Computing Science and Engineering</i> , 2012 , 6, 51-59	1.8	5
77	Use of Do-Not-Resuscitate Orders for Critically Ill Patients with ESKD. <i>Journal of the American Society of Nephrology: JASN</i> , 2020 , 31, 2393-2399	12.7	5
76	Patient-specific COVID-19 resource utilization prediction using fusion AI model. <i>Npj Digital Medicine</i> , 2021 , 4, 94	15.7	5
75	Association of hypokalemia with an increased risk for medically treated arrhythmias. <i>PLoS ONE</i> , 2019 , 14, e0217432	3.7	4
74	Predicting ICU admissions from attempted suicide presentations at an Emergency Department in Central Queensland. <i>Australasian Medical Journal</i> , 2013 , 6, 536-41	2	4
73	Enabling Machine Learning in Critical Care 2017 , 17, 198-199		4
72	How Can Artificial Intelligence Make Medicine More Preemptive?. <i>Journal of Medical Internet Research</i> , 2020 , 22, e17211	7.6	4
71	Customized Prediction of Short Length of Stay Following Elective Cardiac Surgery in Elderly Patients Using a Genetic Algorithm. <i>World Journal of Cardiovascular Surgery</i> , 2013 , 3, 163-170	0	4
70	Physician satisfaction with a multi-platform digital scheduling system. <i>PLoS ONE</i> , 2017 , 12, e0174127	3.7	4
69	Ensuring machine learning for healthcare works for all. <i>BMJ Health and Care Informatics</i> , 2020 , 27,	2.6	4
68	Generalisability through local validation: overcoming barriers due to data disparity in healthcare. <i>BMC Ophthalmology</i> , 2021 , 21, 228	2.3	4
67	Deep learning to predict long-term mortality in patients requiring 7 days of mechanical ventilation. <i>PLoS ONE</i> , 2021 , 16, e0253443	3.7	4
66	Artificial intelligence-based prediction of transfusion in the intensive care unit in patients with gastrointestinal bleeding. <i>BMJ Health and Care Informatics</i> , 2021 , 28,	2.6	4
65	Normalization of mechanical power to anthropometric indices: impact on its association with mortality in critically ill patients. <i>Intensive Care Medicine</i> , 2019 , 45, 1835-1837	14.5	3

64	Potential Adverse Effects of Broad-Spectrum Antimicrobial Exposure in the Intensive Care Unit. <i>Open Forum Infectious Diseases</i> , 2018 , 5, ofx270	1	3
63	Reinforcement Learning for Clinical Decision Support in Critical Care: Comprehensive Review (Preprint)		3
62	Patient Harm During COVID-19 Pandemic: Using a Human Factors Lens to Promote Patient and Workforce Safety. <i>Journal of Patient Safety</i> , 2021 , 17, 87-89	1.9	3
61	Mortality prediction models, causal effects, and end-of-life decision making in the intensive care unit. <i>BMJ Health and Care Informatics</i> , 2020 , 27,	2.6	3
60	Unsupervised learning for county-level typological classification for COVID-19 research. <i>Intelligence-based Medicine</i> , 2020 , 1, 100002	2.7	3
59	Biomarkers for Progression in Diabetic Retinopathy: Expanding Personalized Medicine through Integration of AI with Electronic Health Records. <i>Seminars in Ophthalmology</i> , 2021 , 36, 250-257	2.4	3
58	Circadian rhythm in critically ill patients: Insights from the eICU Database.. <i>Cardiovascular Digital Health Journal</i> , 2021 , 2, 118-125	2	3
57	Who does the model learn from?. <i>The Lancet Digital Health</i> , 2021 , 3, e275-e276	14.4	3
56	The organizational structure of an intensive care unit influences treatment of hypotension among critically ill patients: A retrospective cohort study. <i>Journal of Critical Care</i> , 2016 , 33, 14-8	4	3
55	Vasopressin Administration Is Associated With Rising Serum Lactate Levels in Patients With Sepsis. <i>Journal of Intensive Care Medicine</i> , 2020 , 35, 881-888	3.3	3
54	Recalibration of deep learning models for abnormality detection in smartphone-captured chest radiograph. <i>Npj Digital Medicine</i> , 2021 , 4, 25	15.7	3
53	A hackathon promoting Taiwanese health-IoT innovation. <i>Computer Methods and Programs in Biomedicine</i> , 2018 , 163, 29-32	6.9	3
52	Cardio-pulmonary-renal interactions in ICU patients. Role of mechanical ventilation, venous congestion and perfusion deficit on worsening of renal function: Insights from the MIMIC-III database. <i>Journal of Critical Care</i> , 2021 , 64, 100-107	4	3
51	Sources of bias in artificial intelligence that perpetuate healthcare disparities—A global review 2022 , 1, e0000022		3
50	A systematic review of federated learning applications for biomedical data 2022 , 1, e0000033		3
49	Clinical artificial intelligence quality improvement: towards continual monitoring and updating of AI algorithms in healthcare. <i>Npj Digital Medicine</i> , 2022 , 5,	15.7	3
48	Withholding or withdrawing invasive interventions may not accelerate time to death among dying ICU patients. <i>PLoS ONE</i> , 2019 , 14, e0212439	3.7	2
47	Incidence and Risk Model Development for Severe Tachypnea Following Terminal Extubation. <i>Chest</i> , 2020 , 158, 1456-1463	5.3	2

46	Conversation prior to resuscitation: The new CPR. <i>Resuscitation</i> , 2016 , 99, e3	4	2
45	The Ecosystem as a Service (EaaS) Approach to advance clinical artificial intelligence (cAI) 2022 , 1, e0000011		2
44	Predicting hypoglycemia in critically ill patients using machine learning and electronic health records. <i>Journal of Clinical Monitoring and Computing</i> , 2021 , 1	2	2
43	Lower 90-day Hospital Readmission Rates for Esophageal Variceal Bleeding After TIPS: A Nationwide Linked Analysis. <i>Journal of Clinical Gastroenterology</i> , 2020 , 54, 90-95	3	2
42	Data science to analyse the largest natural experiment of our time. <i>BMJ Health and Care Informatics</i> , 2020 , 27,	2.6	2
41	Improving community health-care screenings with smartphone-based AI technologies. <i>The Lancet Digital Health</i> , 2021 , 3, e280-e282	14.4	2
40	An interactive dashboard to track themes, development maturity, and global equity in clinical artificial intelligence research.. <i>The Lancet Digital Health</i> , 2022 , 4, e212-e213	14.4	2
39	Response. <i>Chest</i> , 2017 , 151, 1184	5.3	1
38	Predicting laboratory testing in intensive care using fuzzy and neural modeling 2011 ,		1
37	Best practices in the real-world data life cycle 2022 , 1, e0000003		1
36	Rural-Urban Differences in Influenza Vaccination Among Adults in the United States, 2018-2019.. <i>American Journal of Public Health</i> , 2022 , 112, 304-307	5.1	1
35	Artificial intelligence for mechanical ventilation: systematic review of design, reporting standards, and bias. <i>British Journal of Anaesthesia</i> , 2021 ,	5.4	1
34	Varying association of laboratory values with reference ranges and outcomes in critically ill patients: an analysis of data from five databases in four countries across Asia, Europe and North America. <i>BMJ Health and Care Informatics</i> , 2021 , 28,	2.6	1
33	Understanding critically ill sepsis patients with normal serum lactate levels: results from U.S. and European ICU cohorts. <i>Scientific Reports</i> , 2021 , 11, 20076	4.9	1
32	Exploiting temporal relationships in the prediction of mortality. <i>The Lancet Digital Health</i> , 2020 , 2, e152-e153	4.4	1
31	Hacking the hackathon: insights from hosting a novel trainee-oriented multidisciplinary event. <i>BMJ Innovations</i> , 2021 , 7, 586-589	1.8	1
30	Beyond the : "An Algorithmic Approach to Reducing Unexplained Pain Disparities in Underserved Populations". <i>American Journal of Roentgenology</i> , 2021 , 217, 1480	5.4	1
29	Effect of spontaneous breathing on ventilator-free days in critically ill patients-an analysis of patients in a large observational cohort. <i>Annals of Translational Medicine</i> , 2021 , 9, 783	3.2	1

28	Counterintuitive results from observational data: a case study and discussion. <i>BMJ Open</i> , 2019 , 9, e026447		1
27	Post-extrasystolic characteristics in the arterial blood pressure waveform are associated with right ventricular dysfunction in intensive care patients. <i>Journal of Clinical Monitoring and Computing</i> , 2019 , 33, 565-571	2	1
26	Lower household income is associated with an increased risk of hospital readmission in patients with decompensated cirrhosis. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2021 , 36, 1088-1094	4	1
25	Scores to Predict Long-term Mortality in Patients With Severe Pneumonia Still Lacking. <i>Clinical Infectious Diseases</i> , 2021 , 72, e442-e443	11.6	1
24	Response. <i>Chest</i> , 2021 , 159, 450-451	5.3	1
23	A scoping review of artificial intelligence applications in thoracic surgery. <i>European Journal of Cardio-thoracic Surgery</i> , 2021 ,	3	1
22	Artificial intelligence for prediction of treatment outcomes in breast cancer: Systematic review of design, reporting standards, and bias. <i>Cancer Treatment Reviews</i> , 2022 , 108, 102410	14.4	1
21	NLP and Deep Learning Methods for Curbing the Spread of Misinformation in India. <i>International Journal of Intelligence, Security, and Public Affairs</i> , 1-12	0.2	0
20	Starting the path of Digital Transformation in Health Innovation in Digital Health: Conference proceeding 2020 , e74, 68-75		0
19	Data-driven curation process for describing the blood glucose management in the intensive care unit. <i>Scientific Data</i> , 2021 , 8, 80	8.2	0
18	Distance-learning collaborations for rapid knowledge sharing to the occupied Palestinian territory during the COVID-19 response: experience from the OxPal partnership. <i>Medicine, Conflict and Survival</i> , 2021 , 37, 55-68	0.6	0
17	Prediction of blood lactate values in critically ill patients: a retrospective multi-center cohort study. <i>Journal of Clinical Monitoring and Computing</i> , 2021 , 1	2	0
16	Scalable data systems require creating a culture of continuous learning.. <i>EBioMedicine</i> , 2021 , 74, 1037388.8		0
15	A novel Vascular Leak Index identifies sepsis patients with a higher risk for in-hospital death and fluid accumulation.. <i>Critical Care</i> , 2022 , 26, 103	10.8	0
14	A distributed approach to the regulation of clinical AI 2022 , 1, e0000040		0
13	The weekend effect for stroke patients admitted to intensive care: A retrospective cohort analysis. <i>PLoS ONE</i> , 2020 , 15, e0234521	3.7	
12	Do Hyponatremia or Its Underlying Mechanisms Associate With Mortality Risk in Observational Data? 2020 , 2, e0074		
11	In Reply. <i>Obstetrics and Gynecology</i> , 2017 , 130, 218-219	4.9	

10	The Use of a Formative Pedagogy Lens to Enhance and Maintain Virtual Supervisory Relationships: Appreciative Inquiry and Critical Review. <i>JMIR Medical Education</i> , 2021 , 7, e26251	5
9	Reply. <i>Hepatology</i> , 2019 , 69, 920-921	11.2
8	AIM and Business Models of Healthcare 2021 , 1-9	
7	Authors' Response to the Intensive Care Unit Discharge Delay and In-Hospital Mortality. <i>Journal of Intensive Care Medicine</i> , 2018 , 885066618816686	3.3
6	AIM and Patient Safety 2021 , 1-11	
5	AIM and Business Models of Healthcare 2022 , 603-611	
4	AIM and Patient Safety 2022 , 215-225	
3	Measuring the learning outcomes of datathons. <i>BMJ Innovations</i> , 2022 , 8, 72-77	1.8
2	Leveraging Data Science for Global Surgery. <i>Sustainable Development Goals Series</i> , 2022 , 55-65	0.5
1	Ethical Considerations of Artificial Intelligence Applications in Healthcare. <i>Contemporary Medical Imaging</i> , 2022 , 561-565	0.1