

Jana Hoffman

List of Publications by Year in descending order

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26
papers

1,201
citations

516681

16
h-index

552766

26
g-index

34
all docs

34
docs citations

34
times ranked

1435
citing authors

#	ARTICLE	IF	CITATIONS
1	Prediction of Sepsis in the Intensive Care Unit With Minimal Electronic Health Record Data: A Machine Learning Approach. <i>JMIR Medical Informatics</i> , 2016, 4, e28.	2.6	331
2	Multicentre validation of a sepsis prediction algorithm using only vital sign data in the emergency department, general ward and ICU. <i>BMJ Open</i> , 2018, 8, e017833.	1.9	223
3	Pediatric Severe Sepsis Prediction Using Machine Learning. <i>Frontiers in Pediatrics</i> , 2019, 7, 413.	1.9	64
4	Using electronic health record collected clinical variables to predict medical intensive care unit mortality. <i>Annals of Medicine and Surgery</i> , 2016, 11, 52-57.	1.1	60
5	Mortality prediction model for the triage of COVID-19, pneumonia, and mechanically ventilated ICU patients: A retrospective study. <i>Annals of Medicine and Surgery</i> , 2020, 59, 207-216.	1.1	55
6	Supervised machine learning for the early prediction of acute respiratory distress syndrome (ARDS). <i>Journal of Critical Care</i> , 2020, 60, 96-102.	2.2	54
7	High-performance detection and early prediction of septic shock for alcohol-use disorder patients. <i>Annals of Medicine and Surgery</i> , 2016, 8, 50-55.	1.1	51
8	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. <i>BMJ Health and Care Informatics</i> , 2020, 27, e100109.	3.0	44
9	Using Transfer Learning for Improved Mortality Prediction in a Data-Scarce Hospital Setting. <i>Biomedical Informatics Insights</i> , 2017, 9, 117822261771299.	4.6	39
10	Prediction of diabetic kidney disease with machine learning algorithms, upon the initial diagnosis of type 2 diabetes mellitus. <i>BMJ Open Diabetes Research and Care</i> , 2022, 10, e002560.	2.8	32
11	Convolutional Neural Network Model for Intensive Care Unit Acute Kidney Injury Prediction. <i>Kidney International Reports</i> , 2021, 6, 1289-1298.	0.8	29
12	A Racially Unbiased, Machine Learning Approach to Prediction of Mortality: Algorithm Development Study. <i>JMIR Public Health and Surveillance</i> , 2020, 6, e22400.	2.6	28
13	Machine-Learning-Based Laboratory Developed Test for the Diagnosis of Sepsis in High-Risk Patients. <i>Diagnostics</i> , 2019, 9, 20.	2.6	26
14	Cost and mortality impact of an algorithm-driven sepsis prediction system. <i>Journal of Medical Economics</i> , 2017, 20, 646-651.	2.1	22
15	Validation of a machine learning algorithm for early severe sepsis prediction: a retrospective study predicting severe sepsis up to 48Ah in advance using a diverse dataset from 461 US hospitals. <i>BMC Medical Informatics and Decision Making</i> , 2020, 20, 276.	3.0	22
16	A Machine Learning Approach to Predict Deep Venous Thrombosis Among Hospitalized Patients. <i>Clinical and Applied Thrombosis/Hemostasis</i> , 2021, 27, 107602962199118.	1.7	20
17	Early prediction of severe acute pancreatitis using machine learning. <i>Pancreatology</i> , 2022, 22, 43-50.	1.1	17
18	Predicting ventilator-associated pneumonia with machine learning. <i>Medicine (United States)</i> , 2021, 100, e26246.	1.0	13

#	ARTICLE	IF	CITATIONS
19	Prediction of short-term mortality in acute heart failure patients using minimal electronic health record data. <i>BioData Mining</i> , 2021, 14, 23.	4.0	12
20	Early prediction of central line associated bloodstream infection using machine learning. <i>American Journal of Infection Control</i> , 2022, 50, 440-445.	2.3	12
21	A machine learning approach to predicting risk of myelodysplastic syndrome. <i>Leukemia Research</i> , 2021, 109, 106639.	0.8	11
22	Predicting Falls in Long-term Care Facilities: Machine Learning Study. <i>JMIR Aging</i> , 2022, 5, e35373.	3.0	11
23	Is Machine Learning a Better Way to Identify COVID-19 Patients Who Might Benefit from Hydroxychloroquine Treatment?â€”The IDENTIFY Trial. <i>Journal of Clinical Medicine</i> , 2020, 9, 3834.	2.4	8
24	Semisupervised Deep Learning Techniques for Predicting Acute Respiratory Distress Syndrome From Time-Series Clinical Data: Model Development and Validation Study. <i>JMIR Formative Research</i> , 2021, 5, e28028.	1.4	6
25	Application of deep learning to identify COVID-19 infection in posteroanterior chest X-rays. <i>Clinical Imaging</i> , 2021, 80, 268-273.	1.5	3
26	A comparative analysis of machine learning approaches to predict <i>C. difficile</i> infection in hospitalized patients. <i>American Journal of Infection Control</i> , 2022, 50, 250-257.	2.3	2