

List of Publications by Year in
Descending Order

Source: <https://exaly.com/author-pdf/1722038/joon-lee-publications-by-year.pdf>

Version: 2024-04-23

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.

83 papers	2,353 citations	24 h-index	47 g-index
102 ext. papers	2,896 ext. citations	4.6 avg, IF	5.39 L-index

#	Paper	IF	Citations
83	Crowdsourcing for Machine Learning in Public Health Surveillance: Lessons Learned From Amazon Mechanical Turk.. <i>Journal of Medical Internet Research</i> , 2022 , 24, e28749	7.6	1
82	Physical Activity, Sedentary Behavior, and Sleep on Twitter: Multicountry and Fully Labeled Public Data Set for Digital Public Health Surveillance Research.. <i>JMIR Public Health and Surveillance</i> , 2022 , 8, e32355	11.4	1
81	Clinicians and Older Adults' Perceptions of the Utility of Patient-Generated Health Data in Caring for Older Adults: Exploratory Mixed Methods Study. <i>JMIR Aging</i> , 2021 , 4, e29788	4.8	0
80	Natural language processing to measure the frequency and mode of communication between healthcare professionals and family members of critically ill patients. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2021 , 28, 541-548	8.6	4
79	Identifying subpopulations of septic patients: A temporal data-driven approach. <i>Computers in Biology and Medicine</i> , 2021 , 130, 104182	7	1
78	Effect of Active Cancer on the Cardiac Phenotype: A Cardiac Magnetic Resonance Imaging-Based Study of Myocardial Tissue Health and Deformation in Patients With Chemotherapy-Related Cancer. <i>Journal of the American Heart Association</i> , 2021 , 10, e019811	6	5
77	CREATE: A New Data Resource to Support Cardiac Precision Health. <i>CJC Open</i> , 2021 , 3, 639-645	2	0
76	Predicting Discharge Destination of Critically Ill Patients Using Machine Learning. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2021 , 25, 827-837	7.2	7
75	Electronic Medical Record-Based Case Phenotyping for the Charlson Conditions: Scoping Review. <i>JMIR Medical Informatics</i> , 2021 , 9, e23934	3.6	1
74	Using Consumer-Grade Physical Activity Trackers to Measure Frailty Transitions in Older Critical Care Survivors: Exploratory Observational Study. <i>JMIR Aging</i> , 2021 , 4, e19859	4.8	3
73	Item response theory as a feature selection and interpretation tool in the context of machine learning. <i>Medical and Biological Engineering and Computing</i> , 2021 , 59, 471-482	3.1	1
72	Digital public health surveillance: a systematic scoping review. <i>Npj Digital Medicine</i> , 2021 , 4, 41	15.7	10
71	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
70	Machine learning for identification of frailty in Canadian primary care practices. <i>International Journal of Population Data Science</i> , 2021 , 6, 1650	1.4	1
69	Detecting Uncertainty of Mortality Prediction Using Confident Learning. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2021 , 2021, 1719-1722	0.9	0
68	Leveraging artificial intelligence to monitor unhealthy food and brand marketing to children on digital media. <i>The Lancet Child and Adolescent Health</i> , 2020 , 4, 418-420	14.5	4
67	Do Hyponatremia or Its Underlying Mechanisms Associate With Mortality Risk in Observational Data? 2020 , 2, e0074		

66	Consumer-Grade Wearable Device for Predicting Frailty in Canadian Home Care Service Clients: Prospective Observational Proof-of-Concept Study. <i>Journal of Medical Internet Research</i> , 2020 , 22, e19732	7.6	2
65	Using Item Response Theory for Explainable Machine Learning in Predicting Mortality in the Intensive Care Unit: Case-Based Approach. <i>Journal of Medical Internet Research</i> , 2020 , 22, e20268	7.6	0
64	Using Machine Learning and Smartphone and Smartwatch Data to Detect Emotional States and Transitions: Exploratory Study. <i>JMIR MHealth and UHealth</i> , 2020 , 8, e17818	5.5	8
63	Is Artificial Intelligence Better Than Human Clinicians in Predicting Patient Outcomes?. <i>Journal of Medical Internet Research</i> , 2020 , 22, e19918	7.6	8
62	Novel Feature Selection for Artificial Intelligence Using Item Response Theory for Mortality Prediction. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2020 , 2020, 5729-5732	0.9	2
61	Artificial intelligence (AI) and cancer prevention: the potential application of AI in cancer control programming needs to be explored in population laboratories such as COMPASS. <i>Cancer Causes and Control</i> , 2019 , 30, 671-675	2.8	10
60	A New Insight Into Missing Data in Intensive Care Unit Patient Profiles: Observational Study. <i>JMIR Medical Informatics</i> , 2019 , 7, e11605	3.6	24
59	Fall Risk Classification in Community-Dwelling Older Adults Using a Smart Wrist-Worn Device and the Resident Assessment Instrument-Home Care: Prospective Observational Study. <i>JMIR Aging</i> , 2019 , 2, e12153	4.8	10
58	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
57	Mortality prediction with self normalizing neural networks in intensive care unit patients 2018 ,		3
56	2018 ,		5
55	Readability and Coherence of Department/Ministry of Health HPV Information. <i>Journal of Cancer Education</i> , 2018 , 33, 147-153	1.8	10
54	The Use of Technology in Identifying Hospital Malnutrition: Scoping Review. <i>JMIR Medical Informatics</i> , 2018 , 6, e4	3.6	11
53	Consumer Mobile Apps for Potential Drug-Drug Interaction Check: Systematic Review and Content Analysis Using the Mobile App Rating Scale (MARS). <i>JMIR MHealth and UHealth</i> , 2018 , 6, e74	5.5	49
52	Finding Similar Patient Subpopulations in the ICU Using Laboratory Test Ordering Patterns 2018 ,		1
51	Sentiment in nursing notes as an indicator of out-of-hospital mortality in intensive care patients. <i>PLoS ONE</i> , 2018 , 13, e0198687	3.7	23
50	Customization of a Severity of Illness Score Using Local Electronic Medical Record Data. <i>Journal of Intensive Care Medicine</i> , 2017 , 32, 38-47	3.3	16
49	Right Ventricular Function, Peripheral Edema, and Acute Kidney Injury in Critical Illness. <i>Kidney International Reports</i> , 2017 , 2, 1059-1065	4.1	20

48	Computerized Decision Aids for Shared Decision Making in Serious Illness: Systematic Review. <i>JMIR Medical Informatics</i> , 2017 , 5, e36	3.6	8
47	Patient-Specific Predictive Modeling Using Random Forests: An Observational Study for the Critically Ill. <i>JMIR Medical Informatics</i> , 2017 , 5, e3	3.6	18
46	Patient Similarity in Prediction Models Based on Health Data: A Scoping Review. <i>JMIR Medical Informatics</i> , 2017 , 5, e7	3.6	44
45	Smart Devices for Older Adults Managing Chronic Disease: A Scoping Review. <i>JMIR MHealth and UHealth</i> , 2017 , 5, e69	5.5	96
44	User Acceptance of Wrist-Worn Activity Trackers Among Community-Dwelling Older Adults: Mixed Method Study. <i>JMIR MHealth and UHealth</i> , 2017 , 5, e173	5.5	78
43	Online Reviews as Health Data: Examining the Association Between Availability of Health Care Services and Patient Star Ratings Exemplified by the Yelp Academic Dataset. <i>JMIR Public Health and Surveillance</i> , 2017 , 3, e43	11.4	2
42	Applications of information and communications technologies to public health: A scoping review using the MeSH term: "public health informatics". <i>Online Journal of Public Health Informatics</i> , 2017 , 9, e192	0.3	2
41	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
40	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
39	Mortality Prediction in the ICU 2016 , 315-324		2
38	Errors, Omissions, and Outliers in Hourly Vital Signs Measurements in Intensive Care. <i>Critical Care Medicine</i> , 2016 , 44, e1021-e1030	1.4	18
37	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
36	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
35	A web-based data visualization tool for the MIMIC-II database. <i>BMC Medical Informatics and Decision Making</i> , 2016 , 16, 15	3.6	7
34	Disease Monitoring and Health Campaign Evaluation Using Google Search Activities for HIV and AIDS, Stroke, Colorectal Cancer, and Marijuana Use in Canada: A Retrospective Observational Study. <i>JMIR Public Health and Surveillance</i> , 2016 , 2, e156	11.4	43
33	Obesity, Acute Kidney Injury, and Mortality in Critical Illness. <i>Critical Care Medicine</i> , 2016 , 44, 328-34	1.4	87
32	Personalized mortality prediction for the critically ill using a patient similarity metric and bagging 2016 ,		2
31	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

30	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
29	Increased incidence of diuretic use in critically ill obese patients. <i>Journal of Critical Care</i> , 2015 , 30, 619-234	3.4	17
28	Using information theory to identify redundancy in common laboratory tests in the intensive care unit. <i>BMC Medical Informatics and Decision Making</i> , 2015 , 15, 59	3.6	14
27	Personalized mortality prediction driven by electronic medical data and a patient similarity metric. <i>PLoS ONE</i> , 2015 , 10, e0127428	3.7	73
26	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
25	Empirical relationships among oliguria, creatinine, mortality, and renal replacement therapy in the critically ill. <i>Intensive Care Medicine</i> , 2013 , 39, 414-9	14.5	34
24	Respiration and heart rate complexity: effects of age and gender assessed by band-limited transfer entropy. <i>Respiratory Physiology and Neurobiology</i> , 2013 , 189, 27-33	2.8	39
23	Accessing the public MIMIC-II intensive care relational database for clinical research. <i>BMC Medical Informatics and Decision Making</i> , 2013 , 13, 9	3.6	43
22	Proton-pump inhibitor use is associated with low serum magnesium concentrations. <i>Kidney International</i> , 2013 , 83, 692-9	9.9	117
21	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
20	Association of hypermagnesemia and blood pressure in the critically ill. <i>Journal of Hypertension</i> , 2013 , 31, 2136-41; discussion 2141	1.9	15
19	Severity of acute kidney injury and two-year outcomes in critically ill patients. <i>Chest</i> , 2013 , 144, 866-875	5.3	26
18	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
17	Red cell distribution width improves the simplified acute physiology score for risk prediction in unselected critically ill patients. <i>Critical Care</i> , 2012 , 16, R89	10.8	77
16	Signal quality estimation with multichannel adaptive filtering in intensive care settings. <i>IEEE Transactions on Biomedical Engineering</i> , 2012 , 59, 2476-85	5	30
15	Transfer entropy estimation and directional coupling change detection in biomedical time series. <i>BioMedical Engineering OnLine</i> , 2012 , 11, 19	4.1	65
14	A Database-driven Decision Support System: Customized Mortality Prediction. <i>Journal of Personalized Medicine</i> , 2012 , 2, 138-48	3.6	42
13	Interrogating a clinical database to study treatment of hypotension in the critically ill. <i>BMJ Open</i> , 2012 , 2,	3	10

12	Risk stratification of ICU patients using topic models inferred from unstructured progress notes 2012 , 2012, 505-11	0.7	39
11	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
10	Outcome of critically ill patients with acute kidney injury using the Acute Kidney Injury Network criteria. <i>Critical Care Medicine</i> , 2011 , 39, 2659-64	1.4	640
9	Classification of healthy and abnormal swallows based on accelerometry and nasal airflow signals. <i>Artificial Intelligence in Medicine</i> , 2011 , 52, 17-25	7.4	23
8	Open-access MIMIC-II database for intensive care research. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2011 , 2011, 8315-8	0.9	26
7	Photoplethysmograph quality estimation through multichannel filtering. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2011 , 2011, 4361-4	0.9	1
6	An investigation of patterns in hemodynamic data indicative of impending hypotension in intensive care. <i>BioMedical Engineering OnLine</i> , 2010 , 9, 62	4.1	43
5	Effects of liquid stimuli on dual-axis swallowing accelerometry signals in a healthy population. <i>BioMedical Engineering OnLine</i> , 2010 , 9, 7	4.1	44
4	Effects of age and stimulus on submental mechanomyography signals during swallowing. <i>Dysphagia</i> , 2009 , 24, 265-73	3.7	8
3	Swallow segmentation with artificial neural networks and multi-sensor fusion. <i>Medical Engineering and Physics</i> , 2009 , 31, 1049-55	2.4	20
2	A radial basis function classifier for pediatric aspiration detection. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2006 , 2006, 3553-6		2
1	A radial basis classifier for the automatic detection of aspiration in children with dysphagia. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2006 , 3, 14	5.3	38