Bobak J Mortazavi

List of Publications by Year
in descending order

56	1,843	430874	302126
papers	citations	18 h-index	39 g-index

64	64	64	2828
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Association of Use of an Intravascular Microaxial Left Ventricular Assist Device vs Intra-aortic Balloon Pump With In-Hospital Mortality and Major Bleeding Among Patients With Acute Myocardial Infarction Complicated by Cardiogenic Shock. JAMA - Journal of the American Medical Association, 2020, 323, 734.	7.4	260
2	Analysis of Machine Learning Techniques for Heart Failure Readmissions. Circulation: Cardiovascular Quality and Outcomes, 2016, 9, 629-640.	2.2	245
3	Machine Learning Prediction of Mortality and Hospitalization in Heart Failure With Preserved Ejection Fraction. JACC: Heart Failure, 2020, 8, 12-21.	4.1	152
4	Use of Machine Learning Models to Predict Death After Acute Myocardial Infarction. JAMA Cardiology, 2021, 6, 633.	6.1	116
5	Recommendations for Reporting Machine Learning Analyses in Clinical Research. Circulation: Cardiovascular Quality and Outcomes, 2020, 13, e006556.	2.2	112
6	The Rickettsia Endosymbiont of Ixodes pacificus Contains All the Genes of De Novo Folate Biosynthesis. PLoS ONE, 2015, 10, e0144552.	2.5	94
7	Enhancing the prediction of acute kidney injury risk after percutaneous coronary intervention using machine learning techniques: A retrospective cohort study. PLoS Medicine, 2018, 15, e1002703.	8.4	91
8	Designing a Robust Activity Recognition Framework for Health and Exergaming Using Wearable Sensors. IEEE Journal of Biomedical and Health Informatics, 2014, 18, 1636-1646.	6.3	85
9	Comparison of Machine Learning Methods With National Cardiovascular Data Registry Models for Prediction of Risk of Bleeding After Percutaneous Coronary Intervention. JAMA Network Open, 2019, 2, e196835.	5.9	60
10	Can Smartwatches Replace Smartphones for Posture Tracking?. Sensors, 2015, 15, 26783-26800.	3.8	54
11	Use of Mechanical Circulatory Support Devices Among Patients With Acute Myocardial Infarction Complicated by Cardiogenic Shock. JAMA Network Open, 2021, 4, e2037748.	5.9	54
12	Objectively quantifying walking ability in degenerative spinal disorder patients using sensor equipped smart shoes. Medical Engineering and Physics, 2016, 38, 442-449.	1.7	33
13	Prediction of Adverse Events in Patients Undergoing Major Cardiovascular Procedures. IEEE Journal of Biomedical and Health Informatics, 2017, 21, 1719-1729.	6.3	32
14	The Use of Telehealth Technology to Support Health Coaching for Older Adults: Literature Review. JMIR Human Factors, 2021, 8, e23796.	2.0	31
15	Clinical characteristics and outcomes for 7,995 patients with SARS-CoV-2 infection. PLoS ONE, 2021, 16, e0243291.	2.5	31
16	Automated multilabel diagnosis on electrocardiographic images and signals. Nature Communications, 2022, 13, 1583.	12.8	29
17	Development and Validation of a Model for Predicting the Risk of Acute Kidney Injury Associated With Contrast Volume Levels During Percutaneous Coronary Intervention. JAMA Network Open, 2019, 2, e1916021.	5.9	25
18	Near-Realistic Mobile Exergames With Wireless Wearable Sensors. IEEE Journal of Biomedical and Health Informatics, 2014, 18, 449-456.	6.3	24

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19	A Survey on Smart Homes for Aging in Place: Toward Solutions to the Specific Needs of the Elderly. IEEE Signal Processing Magazine, 2018, 35, 111-119.	5.6	24
20	Performance Metrics for the Comparative Analysis of Clinical Risk Prediction Models Employing Machine Learning. Circulation: Cardiovascular Quality and Outcomes, 2021, 14, e007526.	2.2	24
21	A Review of Digital Innovations for Diet Monitoring and Precision Nutrition. Journal of Diabetes Science and Technology, 2023, 17, 217-223.	2.2	23
22	Robust human intensity-varying activity recognition using Stochastic Approximation in wearable sensors. , 2013, , .		17
23	Context-Aware Data Processing to Enhance Quality of Measurements in Wireless Health Systems: An Application to MET Calculation of Exergaming Actions. IEEE Internet of Things Journal, 2015, 2, 84-93.	8.7	16
24	A comparison of piezoelectric-based inertial sensing and audio-based detection of swallows. Obesity Medicine, 2016, 1, 6-14.	0.9	14
25	MET calculations from on-body accelerometers for exergaming movements. , 2013, , .		13
26	Near-Realistic Motion Video Games with Enforced Activity. , 2012, , .		12
27	A human-centered wearable sensing platform with intelligent automated data annotation capabilities. , 2019, , .		12
28	Establishing a Global Standard for Wearable Devices in Sport and Exercise Medicine: Perspectives from Academic and Industry Stakeholders. Sports Medicine, 2021, 51, 2237-2250.	6.5	12
29	Temporal relationship of computed and structured diagnoses in electronic health record data. BMC Medical Informatics and Decision Making, 2021, 21, 61.	3.0	11
30	The National Institutes of Health funding for clinical research applying machine learning techniques in 2017. Npj Digital Medicine, 2020, 3, 13.	10.9	10
31	User-optimized activity recognition for exergaming. Pervasive and Mobile Computing, 2016, 26, 3-16.	3.3	9
32	A multicenter evaluation of computable phenotyping approaches for SARS-CoV-2 infection and COVID-19 hospitalizations. Npj Digital Medicine, 2022, 5, 27.	10.9	9
33	Intravascular Microaxial Left Ventricular Assist Device vs Intra-aortic Balloon Pump for Cardiogenic Shockâ€"Reply. JAMA - Journal of the American Medical Association, 2020, 324, 303.	7.4	8
34	Probabilistic segmentation of time-series audio signals using Support Vector Machines. Microprocessors and Microsystems, 2016, 46, 96-104.	2.8	7
35	Improving biomedical signal search results in big data case-based reasoning environments. Pervasive and Mobile Computing, 2016, 28, 69-80.	3.3	7
36	Phenotypes of Hypertensive Ambulatory Blood Pressure Patterns: Design and Rationale of the ECHORN Hypertension Study. Ethnicity and Disease, 2019, 29, 535-544.	2.3	7

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37	Toward Dynamic Risk Prediction of Outcomes After Coronary Artery Bypass Graft: Improving Risk Prediction With Intraoperative Events Using Gradient Boosting. Circulation: Cardiovascular Quality and Outcomes, 2021, 14, e007363.	2.2	7
38	Using Intelligent Personal Annotations to Improve Human Activity Recognition for Movements in Natural Environments. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 2639-2650.	6.3	6
39	Real-time Mortality Prediction Using MIMIC-IV ICU Data Via Boosted Nonparametric Hazards. , 2021, , .		6
40	Interactive Dimensionality Reduction for Improving Patient Adherence in Remote Health Monitoring. , 2018, , .		4
41	Dynamic Task Optimization in Remote Diabetes Monitoring Systems. , 2012, 2012, 3-11.		3
42	Predicting the meal macronutrient composition from continuous glucose monitors. , 2019, , .		3
43	A Survey of Challenges and Opportunities in Sensing and Analytics for Risk Factors of Cardiovascular Disorders. ACM Transactions on Computing for Healthcare, 2021, 2, 1-42.	5.0	3
44	A Monte Carlo approach to biomedicai time series search. , 2012, 2012, 71-76.		2
45	Multi-dimensional signal search with applications in remote medical monitoring. , 2013, , .		2
46	Protocol for project recovery after cardiac surgery: a single-center cohort study leveraging digital platform to characterise longitudinal patient-reported postoperative recovery patterns. BMJ Open, 2020, 10, e036959.	1.9	2
47	Postprandial concentration of circulating branched chain amino acids are able to predict the carbohydrate content of the ingested mixed meal. Clinical Nutrition, 2021, 40, 5020-5029.	5.0	2
48	Developing Personalized Models of Blood Pressure Estimation from Wearable Sensors Data Using Minimally-trained Domain Adversarial Neural Networks. Proceedings of Machine Learning Research, 2020, 126, 97-120.	0.3	2
49	Predicting the Macronutrient Composition of Mixed Meals From Dietary Biomarkers in Blood. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 2726-2736.	6.3	2
50	Aggregated Indexing of Biomedical Time Series Data. , 2012, 2012, 23-30.		1
51	Support vector regression to estimate the metabolic equivalent of task of exergaming actions. , 2014, , .		1
52	Multiple model recognition for near-realistic exergaming. , 2015, , .		1
53	Assessing Performance of Machine Learningâ€"Reply. JAMA Cardiology, 2021, 6, 1466.	6.1	1
54	A Metric Learning Approach for Personalized Meal Macronutrient Estimation from Postprandial Glucose Response Signals. , 2021, , .		0

#	Article	IF	Citations
55	BoXHED: Boosted eXact Hazard Estimator with Dynamic covariates. Proceedings of Machine Learning Research, 2020, 119, 9973-9982.	0.3	0
56	PO-669-03 MACHINE LEARNING BASED ONE-YEAR MORTALITY PREDICTION IN PATIENTS UNDERGOING PRIMARY PREVENTION CARDIOVERTER DEFIBRILLATOR IMPLANTATION: A RETROSPECTIVE COHORT STUDY. Heart Rhythm, 2022, 19, S316-S317.	0.7	0