

# Parisa Rashidi

## List of Publications by Year in descending order

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Version: 2024-02-01

113  
papers

6,250  
citations

230014

27  
h-index

104191

69  
g-index

124  
all docs

124  
docs citations

124  
times ranked

8285  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ideal algorithms in healthcare: Explainable, dynamic, precise, autonomous, fair, and reproducible. , 2022, 1, e0000006.		29
2	Human activity recognition in artificial intelligence framework: a narrative review. Artificial Intelligence Review, 2022, 55, 4755-4808.	9.7	102
3	Sensors in Hospitals. , 2022, , .		0
4	Early Biomarker Signatures in Surgical Sepsis. Journal of Surgical Research, 2022, 277, 372-383.	0.8	7
5	Variational autoencoder provides proof of concept that compressing CDT to extremely low-dimensional space retains its ability of distinguishing dementia. Scientific Reports, 2022, 12, 7992.	1.6	5
6	Potentials and Challenges of Pervasive Sensing in the Intensive Care Unit. Frontiers in Digital Health, 2022, 4, .	1.5	2
7	Performance of a Machine Learning Algorithm Using Electronic Health Record Data to Predict Postoperative Complications and Report on a Mobile Platform. JAMA Network Open, 2022, 5, e2211973.	2.8	26
8	Predicting long-term postsurgical pain by examining the evolution of acute pain. European Journal of Pain, 2021, 25, 624-636.	1.4	4
9	Slow Dynamics of Acute Postoperative Pain Intensity Time Series Determined via Wavelet Analysis Are Associated With the Risk of Severe Postoperative Day 30 Pain. Anesthesia and Analgesia, 2021, 132, 1465-1474.	1.1	3
10	Deep Multi-Modal Transfer Learning for Augmented Patient Acuity Assessment in the Intelligent ICU. Frontiers in Digital Health, 2021, 3, .	1.5	11
11	Linking Preoperative and Intraoperative Data for Risk Prediction. JAMA Network Open, 2021, 4, e212547.	2.8	3
12	The Effect of Sensor Placement and Number on Physical Activity Recognition and Energy Expenditure Estimation in Older Adults: Validation Study. JMIR MHealth and UHealth, 2021, 9, e23681.	1.8	18
13	Normative References for Graphomotor and Latency Digital Clock Drawing Metrics for Adults Age 55 and Older: Operationalizing the Production of a Normal Appearing Clock. Journal of Alzheimer's Disease, 2021, 82, 59-70.	1.2	7
14	Accessing Artificial Intelligence for Clinical Decision-Making. Frontiers in Digital Health, 2021, 3, 645232.	1.5	83
15	Classifying Non-Dementia and Alzheimer's Disease/Vascular Dementia Patients Using Kinematic, Time-Based, and Visuospatial Parameters: The Digital Clock Drawing Test. Journal of Alzheimer's Disease, 2021, 82, 47-57.	1.2	23
16	Pain Action Unit Detection in Critically Ill Patients. , 2021, 2021, 645-651.		3
17	Satisfaction, Usability, and Compliance With the Use of Smartwatches for Ecological Momentary Assessment of Knee Osteoarthritis Symptoms in Older Adults: Usability Study. JMIR Aging, 2021, 4, e24553.	1.4	13
18	Aligning Patient Acuity with Resource Intensity after Major Surgery. Annals of Surgery, 2021, Publish Ahead of Print, .	2.1	5

#	ARTICLE	IF	CITATIONS
19	Reinforcement learning in surgery. <i>Surgery</i> , 2021, 170, 329-332.	1.0	15
20	Machine Learning Applications in Solid Organ Transplantation and Related Complications. <i>Frontiers in Immunology</i> , 2021, 12, 739728.	2.2	13
21	Effects of Patient and Surgery Characteristics on Persistent Postoperative Pain. <i>Clinical Journal of Pain</i> , 2021, Publish Ahead of Print, 803-811.	0.8	4
22	The Temporal Relationship Between Ecological Pain and Life-Space Mobility in Older Adults With Knee Osteoarthritis: A Smartwatch-Based Demonstration Study. <i>JMIR MHealth and UHealth</i> , 2021, 9, e19609.	1.8	13
23	Patient and Procedural Determinants of Postoperative Pain Trajectories. <i>Anesthesiology</i> , 2021, 134, 421-434.	1.3	63
24	ROAMM: A customizable and interactive smartwatch platform for patient-generated health data. , 2021, , .		1
25	Association of Postoperative Undertriage to Hospital Wards With Mortality and Morbidity. <i>JAMA Network Open</i> , 2021, 4, e2131669.	2.8	9
26	Artificial intelligence approaches to improve kidney care. <i>Nature Reviews Nephrology</i> , 2020, 16, 71-72.	4.1	35
27	Artificial Intelligence and Surgical Decision-making. <i>JAMA Surgery</i> , 2020, 155, 148.	2.2	217
28	Discovery and Validation of Urinary Molecular Signature of Early Sepsis. , 2020, 2, e0195.		9
29	Innovations in Geroscience to enhance mobility in older adults. <i>Experimental Gerontology</i> , 2020, 142, 111123.	1.2	17
30	Automated Detection of Rest Disruptions in Critically Ill Patients. , 2020, 2020, 5450-5454.		0
31	Human Activity Recognition Using Inertial, Physiological and Environmental Sensors: A Comprehensive Survey. <i>IEEE Access</i> , 2020, 8, 210816-210836.	2.6	182
32	Intelligent, Autonomous Machines in Surgery. <i>Journal of Surgical Research</i> , 2020, 253, 92-99.	0.8	21
33	Improving the Intensive Care Patient Experience With Virtual Reality—A Feasibility Study. , 2020, 2, e0122.		34
34	Added Value of Intraoperative Data for Predicting Postoperative Complications: The MySurgeryRisk PostOp Extension. <i>Journal of Surgical Research</i> , 2020, 254, 350-363.	0.8	23
35	Secondary care provider attitudes towards patient generated health data from smartwatches. <i>Npj Digital Medicine</i> , 2020, 3, 27.	5.7	18
36	Decision analysis and reinforcement learning in surgical decision-making. <i>Surgery</i> , 2020, 168, 253-266.	1.0	18

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37	Cardiovascular death and progression to end-stage renal disease after major surgery in elderly patients. <i>BJS Open</i> , 2020, 4, 145-156.	0.7	4
38	Opportunities for machine learning to improve surgical ward safety. <i>American Journal of Surgery</i> , 2020, 220, 905-913.	0.9	12
39	Forty-two Million Ways to Describe Pain: Topic Modeling of 200,000 PubMed Pain-Related Abstracts Using Natural Language Processing and Deep Learning-Based Text Generation. <i>Pain Medicine</i> , 2020, 21, 3133-3160.	0.9	11
40	Mysteries, Epistemological Modesty, and Artificial Intelligence in Surgery. <i>Frontiers in Artificial Intelligence</i> , 2020, 2, .	2.0	1
41	ICU Delirium-Prediction Models: A Systematic Review. , 2020, 2, e0296.		21
42	Automatic Detection and Classification of Cognitive Distortions in Mental Health Text. , 2020, , .		6
43	Pain and Physical Activity Association in Critically Ill Patients. , 2020, 2020, 5696-5699.		1
44	A Simulated Graphical Interface for Integrating Patient-Generated Health Data From Smartwatches With Electronic Health Records: Usability Study. <i>JMIR Human Factors</i> , 2020, 7, e19769.	1.0	2
45	Automated Emotional Valence Prediction in Mental Health Text via Deep Transfer Learning. , 2020, , .		3
46	A GIS-Based Artificial Neural Network Model for Spatial Distribution of Tuberculosis across the Continental United States. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 157.	1.2	63
47	Intelligent ICU for Autonomous Patient Monitoring Using Pervasive Sensing and Deep Learning. <i>Scientific Reports</i> , 2019, 9, 8020.	1.6	88
48	Improved predictive models for acute kidney injury with IDEA: Intraoperative Data Embedded Analytics. <i>PLoS ONE</i> , 2019, 14, e0214904.	1.1	57
49	A quest for the structure of intra- and postoperative surgical team networks: does the small-world property evolve over time?. <i>Social Network Analysis and Mining</i> , 2019, 9, 1.	1.9	2
50	DeepSOFA: A Continuous Acuity Score for Critically Ill Patients using Clinically Interpretable Deep Learning. <i>Scientific Reports</i> , 2019, 9, 1879.	1.6	97
51	Role of Wearable Accelerometer Devices in Delirium Studies. , 2019, 1, e0027.		12
52	Primer on machine learning. <i>Current Opinion in Anaesthesiology</i> , 2019, 32, 653-660.	0.9	10
53	A smartwatch-based framework for real-time and online assessment and mobility monitoring. <i>Journal of Biomedical Informatics</i> , 2019, 89, 29-40.	2.5	81
54	MySurgeryRisk: Development and Validation of a Machine-learning Risk Algorithm for Major Complications and Death After Surgery. <i>Annals of Surgery</i> , 2019, 269, 652-662.	2.1	197

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55	Perception of Older Adults Toward Smartwatch Technology for Assessing Pain and Related Patient-Reported Outcomes: Pilot Study. JMIR MHealth and UHealth, 2019, 7, e10044.	1.8	58
56	Accuracy of Samsung Gear S Smartwatch for Activity Recognition: Validation Study. JMIR MHealth and UHealth, 2019, 7, e11270.	1.8	24
57	Deep EHR: A Survey of Recent Advances in Deep Learning Techniques for Electronic Health Record (EHR) Analysis. IEEE Journal of Biomedical and Health Informatics, 2018, 22, 1589-1604.	3.9	782
58	1619: INCREASING SOFA SCORE GRANULARITY WITH DEEP LEARNING. Critical Care Medicine, 2018, 46, 794-794.	0.4	0
59	Transition Icons for Time-Series Visualization and Exploratory Analysis. IEEE Journal of Biomedical and Health Informatics, 2018, 22, 623-630.	3.9	5
60	Comparison of Gaussian Processes Methods to Linear methods for Imputation of Sparse Physiological Time Series. , 2018, 2018, 4106-4109.		8
61	Virtual reality and human consciousness: The use of immersive environments in delirium therapy. Technoetic Arts, 2018, 16, 75-83.	0.0	6
62	Autonomous Detection of Disruptions in the Intensive Care Unit Using Deep Mask R-CNN. , 2018, 2018, 1944-1946.		10
63	Machine learning approaches in GIS-based ecological modeling of the sand fly Phlebotomus papatasi, a vector of zoonotic cutaneous leishmaniasis in Golestan province, Iran. Acta Tropica, 2018, 188, 187-194.	0.9	54
64	Activity and circadian rhythm of sepsis patients in the Intensive Care Unit. , 2018, 2018, 17-20.		5
65	Characterizations of Temporal Postoperative Pain Signatures With Symbolic Aggregate Approximations. Clinical Journal of Pain, 2017, 33, 1-11.	0.8	8
66	DisTeam: A decision support tool for surgical team selection. Artificial Intelligence in Medicine, 2017, 76, 16-26.	3.8	15
67	Deep recurrent neural networks for predicting intraoperative and postoperative outcomes and trends. , 2017, , .		3
68	D.R.E.A.M.S. (Digital Rehabilitation Environment-Altering Medical System). , 2017, 2017, .		3
69	Power-efficient real-time approach to non-wear time detection for smartwatches. , 2017, , .		3
70	Scientific Abstracts and ePosters. Regional Anesthesia and Pain Medicine, 2017, 42, 802-818.	1.1	34
71	Delirium Prediction using Machine Learning Models on Predictive Electronic Health Records Data. , 2017, 2017, 568-573.		39
72	Ensemble Classification of Alzheimer's Disease and Mild Cognitive Impairment Based on Complex Graph Measures from Diffusion Tensor Images. Frontiers in Neuroscience, 2017, 11, 56.	1.4	52

#	ARTICLE	IF	CITATIONS
73	Markov chain evaluation of acute postoperative pain transition states. Pain, 2016, 157, 717-728.	2.0	10
74	Using symbolic aggregate approximation (SAX) to visualize activity transitions among older adults. Physiological Measurement, 2016, 37, 1981-1992.	1.2	3
75	ROAMM: A software infrastructure for real-time monitoring of personal health. , 2016, , .		18
76	Preoperative assessment of the risk for multiple complications after surgery. Surgery, 2016, 160, 463-472.	1.0	13
77	Deep neural network architectures for forecasting analgesic response. , 2016, 2016, 2966-2969.		20
78	Application of Machine Learning Techniques to High-Dimensional Clinical Data to Forecast Postoperative Complications. PLoS ONE, 2016, 11, e0155705.	1.1	134
79	Self-Reflective Sentiment Analysis. , 2016, , .		7
80	Automatic Triage of Mental Health Forum Posts. , 2016, , .		5
81	Examining Symbolic Aggregate Approximation (sax) Adaptive Accelerometry Cut-points Among Us Older Adults. Medicine and Science in Sports and Exercise, 2016, 48, 773.	0.2	0
82	964. Critical Care Medicine, 2015, 43, 242.	0.4	0
83	Successful aging: Advancing the science of physical independence in older adults. Ageing Research Reviews, 2015, 24, 304-327.	5.0	172
84	SmartHealthSys 2014. , 2014, , .		0
85	Stream Sequence Mining for Human Activity Discovery. , 2014, , 123-148.		2
86	The Behavioral Intervention Technology Model: An Integrated Conceptual and Technological Framework for eHealth and mHealth Interventions. Journal of Medical Internet Research, 2014, 16, e146.	2.1	403
87	A Survey on Ambient-Assisted Living Tools for Older Adults. IEEE Journal of Biomedical and Health Informatics, 2013, 17, 579-590.	3.9	935
88	A Survey on Ambient Intelligence in Healthcare. Proceedings of the IEEE, 2013, 101, 2470-2494.	16.4	512
89	Activity Discovery and Activity Recognition: A New Partnership. IEEE Transactions on Cybernetics, 2013, 43, 820-828.	6.2	190
90	COM. ACM Transactions on Intelligent Systems and Technology, 2013, 4, 1-20.	2.9	78

#	ARTICLE	IF	CITATIONS
91	Reports on the 2012 AAAI Fall Symposium Series. AI Magazine, 2013, 34, 93.	1.4	1
92	International Workshop on Situation, Activity and Goal Awareness (SAGAware 2012). , 2012, , .		1
93	Assisted living technologies for older adults. , 2012, , .		3
94	Situation, activity and goal awareness in ubiquitous computing. International Journal of Pervasive Computing and Communications, 2012, 8, 216-224.	1.1	4
95	Discovering and Tracking Patterns of Interest in Security Sensor Streams. , 2012, , 481-504.		1
96	Discovering Activities to Recognize and Track in a Smart Environment. IEEE Transactions on Knowledge and Data Engineering, 2011, 23, 527-539.	4.0	379
97	Activity knowledge transfer in smart environments. Pervasive and Mobile Computing, 2011, 7, 331-343.	2.1	48
98	Workshop overview for the international workshop on situation, activity and goal awareness. , 2011, , .		0
99	Ask me better questions. , 2011, , .		21
100	Using Association Rule Mining to Discover Temporal Relations of Daily Activities. Lecture Notes in Computer Science, 2011, , 49-56.	1.0	29
101	Domain Selection and Adaptation in Smart Homes. Lecture Notes in Computer Science, 2011, , 17-24.	1.0	4
102	Mining and monitoring patterns of daily routines for assisted living in real world settings. , 2010, , .		22
103	Mining Sensor Streams for Discovering Human Activity Patterns over Time. , 2010, , .		41
104	Discovering Temporal Features and Relations of Activity Patterns. , 2010, , .		29
105	An Adaptive Sensor Mining Framework for Pervasive Computing Applications. Lecture Notes in Computer Science, 2010, , 154-174.	1.0	10
106	Keeping the Resident in the Loop: Adapting the Smart Home to the User. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2009, 39, 949-959.	3.4	326
107	Onspect. , 2008, , .		0
108	Inhabitant Guidance of Smart Environments. , 2007, , 910-919.		7

#	ARTICLE	IF	CITATIONS
109	The effect of non-pharmacologic strategies on prevention or management of intensive care unit delirium: a systematic review. F1000Research, 0, 9, 1178.	0.8	2
110	The impact of environmental risk factors on delirium and benefits of noise and light modifications: a scoping review. F1000Research, 0, 9, 1183.	0.8	2
111	The effect of non-pharmacologic strategies on prevention or management of intensive care unit delirium: a systematic review. F1000Research, 0, 9, 1178.	0.8	2
112	The effect of non-pharmacologic strategies on prevention or management of intensive care unit delirium: a systematic review. F1000Research, 0, 9, 1178.	0.8	0
113	Long-Term Postoperative Pain Prediction: Higher-Order Singular-Value Decomposition of Intraoperative Physiological Responses (Preprint). JMIR Perioperative Medicine, 0, , .	0.3	0