

Parisa Rashidi

List of Publications by Year in descending order

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Version: 2024-02-01

113
papers

6,250
citations

201674

27
h-index

91884

69
g-index

124
all docs

124
docs citations

124
times ranked

7475
citing authors

#	ARTICLE	IF	CITATIONS
1	A Survey on Ambient-Assisted Living Tools for Older Adults. IEEE Journal of Biomedical and Health Informatics, 2013, 17, 579-590.	6.3	935
2	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.	6.3	782
3	A Survey on Ambient Intelligence in Healthcare. Proceedings of the IEEE, 2013, 101, 2470-2494.	21.3	512
4	The Behavioral Intervention Technology Model: An Integrated Conceptual and Technological Framework for eHealth and mHealth Interventions. Journal of Medical Internet Research, 2014, 16, e146.	4.3	403
5	Discovering Activities to Recognize and Track in a Smart Environment. IEEE Transactions on Knowledge and Data Engineering, 2011, 23, 527-539.	5.7	379
6	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.	2.9	326
7	Artificial Intelligence and Surgical Decision-making. JAMA Surgery, 2020, 155, 148.	4.3	217
8	MySurgeryRisk: Development and Validation of a Machine-learning Risk Algorithm for Major Complications and Death After Surgery. Annals of Surgery, 2019, 269, 652-662.	4.2	197
9	Activity Discovery and Activity Recognition: A New Partnership. IEEE Transactions on Cybernetics, 2013, 43, 820-828.	9.5	190
10	Human Activity Recognition Using Inertial, Physiological and Environmental Sensors: A Comprehensive Survey. IEEE Access, 2020, 8, 210816-210836.	4.2	182
11	Successful aging: Advancing the science of physical independence in older adults. Ageing Research Reviews, 2015, 24, 304-327.	10.9	172
12	Application of Machine Learning Techniques to High-Dimensional Clinical Data to Forecast Postoperative Complications. PLoS ONE, 2016, 11, e0155705.	2.5	134
13	Human activity recognition in artificial intelligence framework: a narrative review. Artificial Intelligence Review, 2022, 55, 4755-4808.	15.7	102
14	DeepSOFA: A Continuous Acuity Score for Critically Ill Patients using Clinically Interpretable Deep Learning. Scientific Reports, 2019, 9, 1879.	3.3	97
15	Intelligent ICU for Autonomous Patient Monitoring Using Pervasive Sensing and Deep Learning. Scientific Reports, 2019, 9, 8020.	3.3	88
16	Accessing Artificial Intelligence for Clinical Decision-Making. Frontiers in Digital Health, 2021, 3, 645232.	2.8	83
17	A smartwatch-based framework for real-time and online assessment and mobility monitoring. Journal of Biomedical Informatics, 2019, 89, 29-40.	4.3	81
18	COM. ACM Transactions on Intelligent Systems and Technology, 2013, 4, 1-20.	4.5	78

#	ARTICLE	IF	CITATIONS
19	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.	2.6	63
20	Patient and Procedural Determinants of Postoperative Pain Trajectories. <i>Anesthesiology</i> , 2021, 134, 421-434.	2.5	63
21	Perception of Older Adults Toward Smartwatch Technology for Assessing Pain and Related Patient-Reported Outcomes: Pilot Study. <i>JMIR MHealth and UHealth</i> , 2019, 7, e10044.	3.7	58
22	Improved predictive models for acute kidney injury with IDEA: Intraoperative Data Embedded Analytics. <i>PLoS ONE</i> , 2019, 14, e0214904.	2.5	57
23	Machine learning approaches in GIS-based ecological modeling of the sand fly <i>Phlebotomus papatasi</i> , a vector of zoonotic cutaneous leishmaniasis in Golestan province, Iran. <i>Acta Tropica</i> , 2018, 188, 187-194.	2.0	54
24	Ensemble Classification of Alzheimer's Disease and Mild Cognitive Impairment Based on Complex Graph Measures from Diffusion Tensor Images. <i>Frontiers in Neuroscience</i> , 2017, 11, 56.	2.8	52
25	Activity knowledge transfer in smart environments. <i>Pervasive and Mobile Computing</i> , 2011, 7, 331-343.	3.3	48
26	Mining Sensor Streams for Discovering Human Activity Patterns over Time. , 2010, , .		41
27	Delirium Prediction using Machine Learning Models on Predictive Electronic Health Records Data. , 2017, 2017, 568-573.		39
28	Artificial intelligence approaches to improve kidney care. <i>Nature Reviews Nephrology</i> , 2020, 16, 71-72.	9.6	35
29	Scientific Abstracts and ePosters. <i>Regional Anesthesia and Pain Medicine</i> , 2017, 42, 802-818.	2.3	34
30	Improving the Intensive Care Patient Experience With Virtual Realityâ€”A Feasibility Study. , 2020, 2, e0122.		34
31	Discovering Temporal Features and Relations of Activity Patterns. , 2010, , .		29
32	Using Association Rule Mining to Discover Temporal Relations of Daily Activities. <i>Lecture Notes in Computer Science</i> , 2011, , 49-56.	1.3	29
33	Ideal algorithms in healthcare: Explainable, dynamic, precise, autonomous, fair, and reproducible. , 2022, 1, e0000006.		29
34	Performance of a Machine Learning Algorithm Using Electronic Health Record Data to Predict Postoperative Complications and Report on a Mobile Platform. <i>JAMA Network Open</i> , 2022, 5, e2211973.	5.9	26
35	Accuracy of Samsung Gear S Smartwatch for Activity Recognition: Validation Study. <i>JMIR MHealth and UHealth</i> , 2019, 7, e11270.	3.7	24
36	Added Value of Intraoperative Data for Predicting Postoperative Complications: The MySurgeryRisk PostOp Extension. <i>Journal of Surgical Research</i> , 2020, 254, 350-363.	1.6	23

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37	Classifying Non-Dementia and Alzheimer's Disease/Vascular Dementia Patients Using Kinematic, Time-Based, and Visuospatial Parameters: The Digital Clock Drawing Test. <i>Journal of Alzheimer's Disease</i> , 2021, 82, 47-57.	2.6	23
38	Mining and monitoring patterns of daily routines for assisted living in real world settings. , 2010, , .		22
39	Ask me better questions. , 2011, , .		21
40	Intelligent, Autonomous Machines in Surgery. <i>Journal of Surgical Research</i> , 2020, 253, 92-99.	1.6	21
41	ICU Delirium-Prediction Models: A Systematic Review. , 2020, 2, e0296.		21
42	Deep neural network architectures for forecasting analgesic response. , 2016, 2016, 2966-2969.		20
43	ROAMM: A software infrastructure for real-time monitoring of personal health. , 2016, , .		18
44	Secondary care provider attitudes towards patient generated health data from smartwatches. <i>Npj Digital Medicine</i> , 2020, 3, 27.	10.9	18
45	Decision analysis and reinforcement learning in surgical decision-making. <i>Surgery</i> , 2020, 168, 253-266.	1.9	18
46	The Effect of Sensor Placement and Number on Physical Activity Recognition and Energy Expenditure Estimation in Older Adults: Validation Study. <i>JMIR MHealth and UHealth</i> , 2021, 9, e23681.	3.7	18
47	Innovations in Geroscience to enhance mobility in older adults. <i>Experimental Gerontology</i> , 2020, 142, 111123.	2.8	17
48	DisTeam: A decision support tool for surgical team selection. <i>Artificial Intelligence in Medicine</i> , 2017, 76, 16-26.	6.5	15
49	Reinforcement learning in surgery. <i>Surgery</i> , 2021, 170, 329-332.	1.9	15
50	Preoperative assessment of the risk for multiple complications after surgery. <i>Surgery</i> , 2016, 160, 463-472.	1.9	13
51	Satisfaction, Usability, and Compliance With the Use of Smartwatches for Ecological Momentary Assessment of Knee Osteoarthritis Symptoms in Older Adults: Usability Study. <i>JMIR Aging</i> , 2021, 4, e24553.	3.0	13
52	Machine Learning Applications in Solid Organ Transplantation and Related Complications. <i>Frontiers in Immunology</i> , 2021, 12, 739728.	4.8	13
53	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.	3.7	13
54	Role of Wearable Accelerometer Devices in Delirium Studies. , 2019, 1, e0027.		12

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55	Opportunities for machine learning to improve surgical ward safety. American Journal of Surgery, 2020, 220, 905-913.	1.8	12
56	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. Pain Medicine, 2020, 21, 3133-3160.	1.9	11
57	Deep Multi-Modal Transfer Learning for Augmented Patient Acuity Assessment in the Intelligent ICU. Frontiers in Digital Health, 2021, 3, .	2.8	11
58	Markov chain evaluation of acute postoperative pain transition states. Pain, 2016, 157, 717-728.	4.2	10
59	Autonomous Detection of Disruptions in the Intensive Care Unit Using Deep Mask R-CNN. , 2018, 2018, 1944-1946.		10
60	Primer on machine learning. Current Opinion in Anaesthesiology, 2019, 32, 653-660.	2.0	10
61	An Adaptive Sensor Mining Framework for Pervasive Computing Applications. Lecture Notes in Computer Science, 2010, , 154-174.	1.3	10
62	Discovery and Validation of Urinary Molecular Signature of Early Sepsis. , 2020, 2, e0195.		9
63	Association of Postoperative Undertriage to Hospital Wards With Mortality and Morbidity. JAMA Network Open, 2021, 4, e2131669.	5.9	9
64	Characterizations of Temporal Postoperative Pain Signatures With Symbolic Aggregate Approximations. Clinical Journal of Pain, 2017, 33, 1-11.	1.9	8
65	Comparison of Gaussian Processes Methods to Linear methods for Imputation of Sparse Physiological Time Series. , 2018, 2018, 4106-4109.		8
66	Inhabitant Guidance of Smart Environments. , 2007, , 910-919.		7
67	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.	2.6	7
68	Self-Reflective Sentiment Analysis. , 2016, , .		7
69	Early Biomarker Signatures in Surgical Sepsis. Journal of Surgical Research, 2022, 277, 372-383.	1.6	7
70	Virtual reality and human consciousness: The use of immersive environments in delirium therapy. Technoetic Arts, 2018, 16, 75-83.	0.1	6
71	Automatic Detection and Classification of Cognitive Distortions in Mental Health Text. , 2020, , .		6
72	Transition Icons for Time-Series Visualization and Exploratory Analysis. IEEE Journal of Biomedical and Health Informatics, 2018, 22, 623-630.	6.3	5

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73	Activity and circadian rhythm of sepsis patients in the Intensive Care Unit. , 2018, 2018, 17-20.		5
74	Aligning Patient Acuity with Resource Intensity after Major Surgery. Annals of Surgery, 2021, Publish Ahead of Print, .	4.2	5
75	Automatic Triage of Mental Health Forum Posts. , 2016, , .		5
76	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.	3.3	5
77	Situation, activity and goal awareness in ubiquitous computing. International Journal of Pervasive Computing and Communications, 2012, 8, 216-224.	1.3	4
78	Cardiovascular death and progression to end-stage renal disease after major surgery in elderly patients. BJS Open, 2020, 4, 145-156.	1.7	4
79	Predicting long-term postsurgical pain by examining the evolution of acute pain. European Journal of Pain, 2021, 25, 624-636.	2.8	4
80	Effects of Patient and Surgery Characteristics on Persistent Postoperative Pain. Clinical Journal of Pain, 2021, Publish Ahead of Print, 803-811.	1.9	4
81	Domain Selection and Adaptation in Smart Homes. Lecture Notes in Computer Science, 2011, , 17-24.	1.3	4
82	Assisted living technologies for older adults. , 2012, , .		3
83	Using symbolic aggregate approximation (SAX) to visualize activity transitions among older adults. Physiological Measurement, 2016, 37, 1981-1992.	2.1	3
84	Deep recurrent neural networks for predicting intraoperative and postoperative outcomes and trends. , 2017, , .		3
85	D.R.E.A.M.S. (Digital Rehabilitation Environment-Altering Medical System). , 2017, 2017, .		3
86	Power-efficient real-time approach to non-wear time detection for smartwatches. , 2017, , .		3
87	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.	2.2	3
88	Linking Preoperative and Intraoperative Data for Risk Prediction. JAMA Network Open, 2021, 4, e212547.	5.9	3
89	Pain Action Unit Detection in Critically Ill Patients. , 2021, 2021, 645-651.		3
90	Automated Emotional Valence Prediction in Mental Health Text via Deep Transfer Learning. , 2020, , .		3

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91	Stream Sequence Mining for Human Activity Discovery. , 2014, , 123-148.		2
92	A quest for the structure of intra- and postoperative surgical team networks: does the small-world property evolve over time?. Social Network Analysis and Mining, 2019, 9, 1.	2.8	2
93	The effect of non-pharmacologic strategies on prevention or management of intensive care unit delirium: a systematic review. F1000Research, 0, 9, 1178.	1.6	2
94	The impact of environmental risk factors on delirium and benefits of noise and light modifications: a scoping review. F1000Research, 0, 9, 1183.	1.6	2
95	The effect of non-pharmacologic strategies on prevention or management of intensive care unit delirium: a systematic review. F1000Research, 0, 9, 1178.	1.6	2
96	A Simulated Graphical Interface for Integrating Patient-Generated Health Data From Smartwatches With Electronic Health Records: Usability Study. JMIR Human Factors, 2020, 7, e19769.	2.0	2
97	Potentials and Challenges of Pervasive Sensing in the Intensive Care Unit. Frontiers in Digital Health, 2022, 4, .	2.8	2
98	International Workshop on Situation, Activity and Goal Awareness (SAGAware 2012). , 2012, , .		1
99	Mysteries, Epistemological Modesty, and Artificial Intelligence in Surgery. Frontiers in Artificial Intelligence, 2020, 2, .	3.4	1
100	Discovering and Tracking Patterns of Interest in Security Sensor Streams. , 2012, , 481-504.		1
101	Reports on the 2012 AAAI Fall Symposium Series. AI Magazine, 2013, 34, 93.	1.6	1
102	ROAMM: A customizable and interactive smartwatch platform for patient-generated health data. , 2021, , .		1
103	Pain and Physical Activity Association in Critically Ill Patients. , 2020, 2020, 5696-5699.		1
104	Onspect. , 2008, , .		0
105	Workshop overview for the international workshop on situation, activity and goal awareness. , 2011, , .		0
106	SmartHealthSys 2014. , 2014, , .		0
107	964. Critical Care Medicine, 2015, 43, 242.	0.9	0
108	1619: INCREASING SOFA SCORE GRANULARITY WITH DEEP LEARNING. Critical Care Medicine, 2018, 46, 794-794.	0.9	0

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109	Automated Detection of Rest Disruptions in Critically Ill Patients. , 2020, 2020, 5450-5454.		0
110	Examining Symbolic Aggregate Approximation (sax) Adaptive Accelerometry Cut-points Among Us Older Adults. Medicine and Science in Sports and Exercise, 2016, 48, 773.	0.4	0
111	Sensors in Hospitals. , 2022, , .		0
112	The effect of non-pharmacologic strategies on prevention or management of intensive care unit delirium: a systematic review. F1000Research, 0, 9, 1178.	1.6	0
113	Long-Term Postoperative Pain Prediction: Higher-Order Singular-Value Decomposition of Intraoperative Physiological Responses (Preprint). JMIR Perioperative Medicine, 0, , .	1.0	0