Houshang Darabi

List of Publications by Year
in descending order

54	2,083	586496	425179
papers	citations	16	34
		h-index	g-index

56	56	56	2050
all docs	docs citations	times ranked	citing authors

#	ARTICLE	IF	CITATIONS
1	Improving the In-Hospital Mortality Prediction of Diabetes ICU Patients Using a Process Mining/Deep Learning Architecture. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 388-399.	3.9	39
2	A machine learning approach for modeling decisions in the out of hospital cardiac arrest care workflow. BMC Medical Informatics and Decision Making, 2022, 22, 21.	1.5	5
3	Impacts on Students' Academic Performance Due to Emergency Transition to Remote Teaching during the COVID-19 Pandemic: A Financial Engineering Course Case Study. Education Sciences, 2022, 12, 202.	1.4	13
4	Improving Process Discovery Algorithms Using Event Concatenation. IEEE Access, 2022, 10, 69072-69090.	2.6	2
5	Utilizing community level factors to improve prediction of out of hospital cardiac arrest outcome using machine learning. Resuscitation, 2022, 178, 78-84.	1.3	2
6	Adversarial Attacks on Time Series. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, 43, 3309-3320.	9.7	37
7	REDECA: A Novel Framework to Review Artificial Intelligence and Its Applications in Occupational Safety and Health. International Journal of Environmental Research and Public Health, 2021, 18, 6705.	1.2	23
8	Predicting Prolonged Hospitalization and Supplemental Oxygenation in Patients with COVID-19 Infection from Ambulatory Chest Radiographs using Deep Learning. Academic Radiology, 2021, 28, 1151-1158.	1.3	8
9	Generating Adversarial Samples on Multivariate Time Series using Variational Autoencoders. IEEE/CAA Journal of Automatica Sinica, 2021, 8, 1523-1538.	8.5	17
10	Adversarial System Variant Approximation to Quantify Process Model Generalization. IEEE Access, 2020, 8, 194410-194427.	2.6	6
11	Insights Into LSTM Fully Convolutional Networks for Time Series Classification. IEEE Access, 2019, 7, 67718-67725.	2.6	128
12	A Framework for Accurate Time Series Classification Based on Partial Observation. , 2019, , .		1
13	Process Mining of Programmable Logic Controllers: Input/Output Event Logs. , 2019, , .		12
14	Decay Replay Mining to Predict Next Process Events. IEEE Access, 2019, 7, 119787-119803.	2.6	28
15	Multivariate LSTM-FCNs for time series classification. Neural Networks, 2019, 116, 237-245.	3.3	514
16	A machine learning based model for Out of Hospital cardiac arrest outcome classification and sensitivity analysis. Resuscitation, 2019, 138, 134-140.	1.3	22
17	Engineering Identity Profiles of Low-SES, High-Achieving Incoming Engineering Students. , 2019, , .		6
18	A Computer-Aided System for Determining the Application Range of a Warfarin Clinical Dosing Algorithm Using Support Vector Machines with a Polynomial Kernel Function. , 2019, , .		1

#	Article	IF	Citations
19	Guest editorial for special issue on time series classification. IEEE/CAA Journal of Automatica Sinica, 2019, 6, 1291-1292.	8.5	5
20	Behavioral Petri Net Mining and Automated Analysis for Human-Computer Interaction Recommendations in Multi-Application Environments. Proceedings of the ACM on Human-Computer Interaction, 2019, 3, 1-16.	2.5	7
21	Asymptotic Dynamic Time Warping calculation with utilizing value repetition. Knowledge and Information Systems, 2018, 57, 359-388.	2.1	17
22	LSTM Fully Convolutional Networks for Time Series Classification. IEEE Access, 2018, 6, 1662-1669.	2.6	822
23	Pathological Voice Classification Using Mel-Cepstrum Vectors and Support Vector Machine. , 2018, , .		16
24	Learning optimal opioid prescribing and monitoring: a simulation study of medical residents. JAMIA Open, 2018, 1, 246-254.	1.0	5
25	Childhood Asthma Disparities in Chicago. Family and Community Health, 2018, 41, 135-145.	0.5	9
26	A New Approach towards Minimizing the Risk of Misdosing Warfarin Initiation Doses. Computational and Mathematical Methods in Medicine, 2018, 2018, 1-11.	0.7	8
27	Efficient Classification of Long Time Series by 3-D Dynamic Time Warping. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 2688-2703.	5.9	30
28	A novel Bayesian and Chain Rule Model on symbolic representation for time series classification. , 2016, , .		1
29	Revisiting Warfarin Dosing Using Machine Learning Techniques. Computational and Mathematical Methods in Medicine, 2015, 2015, 1-9.	0.7	49
30	An enhanced bayesian network model for prediction of students' academic performance in engineering programs. , 2014, , .		35
31	Design of intelligent hybrid supervisory controller based on temporal neural networks and timing modules. International Journal of Industrial and Systems Engineering, 2014, 17, 54.	0.1	1
32	Enforcing Periodic Transition Deadlines in Time Petri Nets With Net Unfoldings. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2011, 41, 522-539.	3.4	6
33	A simulation case study: Reducing outpatient waiting time of otolaryngology care services using VBA. , 2011, , .		7
34	Formal Modeling of Sequential Function Charts With Time Petri Nets. IEEE Transactions on Control Systems Technology, 2011, 19, 455-464.	3.2	23
35	A Modelling and Optimisation Management Tool for large-scale supply chain networks. International Journal of Industrial and Systems Engineering, 2010, 5, 48.	0.1	15
36	A single-period inventory model with inventory update decision: the newsboy problem extension. International Journal of Advanced Manufacturing Technology, 2010, 47, 755-771.	1.5	3

#	Article	IF	Citations
37	Neural network based design of fault-tolerant controllers for automated sequential manufacturing systems. Mechatronics, 2009, 19, 705-714.	2.0	8
38	Modeling and integration of hospital information systems with Petri nets. , 2009, , .		17
39	A heuristic algorithm for schedule reconfiguration of projects during Execution. , 2009, , .		0
40	Control Reconfiguration of Discrete Event Systems With Dynamic Control Specifications. IEEE Transactions on Automation Science and Engineering, 2008, 5, 84-100.	3.4	35
41	Petri Net based Supervisory Control Reconfiguration of Project Management Systems. , 2007, , .		11
42	Finite automata modelling and analysis of Workflow Management Systems. International Journal of Industrial and Systems Engineering, 2006, 1, 388.	0.1	2
43	Supervisory control framework for collaborative virtual manufacturing. International Journal of Industrial and Systems Engineering, 2006, 1, 429.	0.1	1
44	Control Reconfiguration of Discrete Event Systems Controllers With Partial Observation. IEEE Transactions on Systems, Man, and Cybernetics, 2004, 34, 2262-2272.	5.5	32
45	Genetic algorithm convergence study for sensor network optimization. Information Sciences, 2001, 133, 267-282.	4.0	35
46	Ladder logic implementation of Ramadge-Wonham supervisory controller. , 0, , .		13
47	Ramadge-Wonham supervisory control of mobile robots: lessons from practice. , 0, , .		4
48	An Integrated Program for Recruitment, Retention, and Graduation of Academically Talented Low-Income Engineering Students. , 0, , .		0
49	Implementation of an Introductory Engineering Course and its Impact on Students' Academic Success and Retention. , 0, , .		0
50	Life after University for Engineering Graduates. , 0, , .		0
51	Board 35: An Integrated Program for Recruitment, Retention, and Graduation of Academically Talented Low-income Engineering Students. , 0, , .		0
52	Execution Details and Assessment Results of a Summer Bridge Program for Engineering Freshmen. , 0, , .		0
53	Detecting Current Job Market Skills and Requirements Through Text Mining. , 0, , .		2
54	Beyond Grade Point Average and Standardized Testing: Incorporating a Socio-Economic Factor in Admissions to Support Minority Success. , 0, , .		0