Artur Dubrawski

List of Publications by Year
in descending order

50 papers	886 citations	623734 14 h-index	526287 27 g-index
50 all docs	50 docs citations	50 times ranked	698 citing authors

#	Article	IF	Citations
1	HPC Strength Prediction Using Artificial Neural Network. Journal of Computing in Civil Engineering, 1995, 9, 279-284.	4.7	168
2	Leveraging Publicly Available Data to Discern Patterns of Human-Trafficking Activity. Journal of Human Trafficking, 2015, 1, 65-85.	1.2	60
3	A call to alarms: Current state and future directions in the battle against alarm fatigue. Journal of Electrocardiology, 2018, 51, S44-S48.	0.9	60
4	Using Supervised Machine Learning to Classify Real Alerts and Artifact in Online Multisignal Vital Sign Monitoring Data*. Critical Care Medicine, 2016, 44, e456-e463.	0.9	59
5	Deep Survival Machines: Fully Parametric Survival Regression and Representation Learning for Censored Data With Competing Risks. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 3163-3175.	6.3	59
6	Gleaning Knowledge from Data in the Intensive Care Unit. American Journal of Respiratory and Critical Care Medicine, 2014, 190, 606-610.	5.6	46
7	Neural basis expansion analysis with exogenous variables: Forecasting electricity prices with NBEATSx. International Journal of Forecasting, 2023, 39, 884-900.	6.5	40
8	Learning locomotion reflexes: A self-supervised neural system for a mobile robot. Robotics and Autonomous Systems, 1994, 12, 133-142.	5.1	35
9	Detection of radioactive sources in urban scenes using Bayesian Aggregation of data from mobile spectrometers. Information Systems, 2016, 57, 195-206.	3.6	32
10	Machine Learning for the Developing World. ACM Transactions on Management Information Systems, 2018, 9, 1-14.	2.8	31
11	Predicting tachycardia as a surrogate for instability in the intensive care unit. Journal of Clinical Monitoring and Computing, 2019, 33, 973-985.	1.6	27
12	Learning temporal rules to forecast instability in continuously monitored patients. Journal of the American Medical Informatics Association: JAMIA, 2017, 24, 47-53.	4.4	26
13	Prediction of hypotension events with physiologic vital sign signatures in the intensive care unit. Critical Care, 2020, 24, 661.	5.8	22
14	Artificial neural network for mobile robot topological localization. Robotics and Autonomous Systems, 1995, 16, 73-80.	5.1	19
15	Active Search of Connections for Case Building and Combating Human Trafficking. , 2018, , .		15
16	Quantifying the Relationship between Large Public Events and Escort Advertising Behavior. Journal of Human Trafficking, 2019, 5, 220-237.	1.2	15
17	Machine learning of physiological waveforms and electronic health record data to predict, diagnose and treat haemodynamic instability in surgical patients: protocol for a retrospective study. BMJ Open, 2019, 9, e031988.	1.9	13
18	Stochastic validation for automated tuning of neural network's hyper-parameters. Robotics and Autonomous Systems, 1997, 21, 83-93.	5.1	12

#	Article	IF	Citations
19	Temporal distribution of instability events in continuously monitored step-down unit patients: Implications for Rapid Response Systems. Resuscitation, 2015, 89, 99-105.	3.0	11
20	Gamma-Ray Source Detection With Small Sensors. IEEE Transactions on Nuclear Science, 2018, 65, 1047-1058.	2.0	10
21	Parsimony of Hemodynamic Monitoring Data Sufficient for the Detection of Hemorrhage. Anesthesia and Analgesia, 2020, 130, 1176-1187.	2.2	10
22	The critical care data exchange format: a proposed flexible data standard for combining clinical and high-frequency physiologic data in critical care. Physiological Measurement, 2021, 42, .	2.1	10
23	Modelling Risk of Cardio-Respiratory Instability as a Heterogeneous Process. AMIA ... Annual Symposium proceedings, 2015, 2015, 1841-50.	0.2	10
24	Engaging Clinicians Early During the Development of a Graphical User Display of An Intelligent Alerting System at the Bedside. International Journal of Medical Informatics, 2021, 159, 104643.	3.3	10
25	Using machine learning to improve risk prediction in durable left ventricular assist devices. PLoS ONE, 2021, 16, e0247866.	2.5	9
26	Detection of Events In Multiple Streams of Surveillance Data. Integrated Series on Information Systems, 2011, , 145-171.	0.1	9
27	Whole-genome sequencing surveillance and machine learning for healthcare outbreak detection and investigation: A systematic review and summary. Antimicrobial Stewardship & Healthcare Epidemiology, 2022, 2, .	0.5	9
28	A Study into Detection of Bio-Events in Multiple Streams of Surveillance Data. , 2007, , 124-133.		8
29	Increasing Cardiovascular Data Sampling Frequency and Referencing It to Baseline Improve Hemorrhage Detection. , 2019, 1, e0058.		7
30	Evaluation of coded aperture radiation detectors using a Bayesian approach. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 839, 29-38.	1.6	6
31	Predicting neurological recovery with Canonical Autocorrelation Embeddings. PLoS ONE, 2019, 14, e0210966.	2.5	6
32	Discriminating Cognitive Disequilibrium and Flow in Problem Solving: A Semi-Supervised Approach Using Involuntary Dynamic Behavioral Signals. Proceedings of the AAAI Conference on Artificial Intelligence, 2020, 34, 420-427.	4.9	4
33	Supplementing Existing Societal Risk Models for Surgical Aortic Valve Replacement With Machine Learning for Improved Prediction. Journal of the American Heart Association, 2021, 10, e019697.	3.7	4
34	Intelligent Clinical Decision Support. Sensors, 2022, 22, 1408.	3.8	4
35	Real-time visual analysis of microvascular blood flow for critical care. , 2015, , .		3
36	Risk for Cardiorespiratory Instability Following Transfer to a Monitored Step-Down Unit. Respiratory Care, 2017, 62, 415-422.	1.6	3

#	Article	IF	Citations
37	Automated Assessment of Cardiovascular Sufficiency Using Non-Invasive Physiological Data. Sensors, 2022, 22, 1024.	3.8	3
38	Gamma-Ray Source Detection Under Occlusions and Position Errors in Cluttered Urban Scenes. IEEE Transactions on Nuclear Science, 2020, 67, 1185-1194.	2.0	2
39	Explosion Discrimination Using Seismic Gradiometry and Spectral Filtering of Data. Bulletin of the Seismological Society of America, 0, , .	2.3	2
40	Sex differences in post cardiac arrest discharge locations. Resuscitation Plus, 2021, 8, 100185.	1.7	2
41	Automatic state discovery for unstructured audio scene classification. , 2010, , .		1
42	797. Critical Care Medicine, 2014, 42, A1552.	0.9	1
43	1259. Critical Care Medicine, 2019, 47, 606.	0.9	1
44	Analysis of Source Detectability With Fast-Moving Sensors. IEEE Transactions on Nuclear Science, 2020, 67, 2278-2285.	2.0	1
45	Weak Supervision for Affordable Modeling of Electrocardiogram Data.. AMIA ... Annual Symposium proceedings, 2021, 2021, 536-545.	0.2	1
46	Mining sea turtle nests: An amplitude independent feature extraction method for GPR data. , 2012, , .		0
47	Semi-Supervised Prediction of Comorbid Rare Conditions Using Medical Claims Data. , 2017, , .		0
48	Scaling Active Search using Linear Similarity Functions. , 2017, , .		0
49	Analyzing the Performance of Bayesian Aggregation Under Erroneous Environmental Beliefs. IEEE Transactions on Nuclear Science, 2022, 69, 1257-1266.	2.0	0
50	Constrained clustering and multiple kernel learning without pairwise constraint relaxation. Advances in Data Analysis and Classification, 0, , .	1.4	0