Laura L Pullum

List of Publications by Year
in descending order

34	235	1478505	1372567
papers	citations	6	10
		h-index	g-index
40	40	40	281
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Automated detection of corrosion in used nuclear fuel dry storage canisters using residual neural networks. Nuclear Engineering and Technology, 2021, 53, 657-665.	2.3	19
2	A new methodological framework for hazard detection models in health information technology systems. Journal of Biomedical Informatics, 2021, 124, 103937.	4.3	2
3	Evolution of the IEEE P7009 Standard: Towards Fail-Safe Design of Autonomous Systems. , 2021, , .		5
4	Attacking NIST biometric image software using nonlinear optimization. Pattern Recognition Letters, 2020, 131, 79-84.	4.2	7
5	Adaptive Anomaly Detection for Dynamic Clinical Event Sequences. , 2020, , .		1
6	Real-Time Automated Hazard Detection Framework for Health Information Technology Systems. Health Systems, 2019, 8, 190-202.	1.2	7
7	Data-driven efficient network and surveillance-based immunization. Knowledge and Information Systems, 2019, 61, 1667-1693.	3.2	4
8	Topic Modeling to Discern Irregular Order Patterns in Unlabeled Electronic Health Records. , 2019, , .		3
9	$$\mathcal {SATYA}$$: Defending Against Adversarial Attacks Using Statistical Hypothesis Testing. Lecture Notes in Computer Science, 2018, , 277-292.	1.3	0
10	A proposed analytic framework for determining the impact of an antimicrobial resistance intervention. Animal Health Research Reviews, 2017, 18, 1-25.	3.1	7
11	Testing autonomous cyber-physical systems using fuzzing features from convolutional neural networks. , 2017, , .		3
12	Data-Driven Immunization. , 2017, , .		4
13	Adversarial attacks on computer vision algorithms using natural perturbations. , 2017, , .		4
14	Analyzing the impact of modeling choices and assumptions in compartmental epidemiological models. Simulation, 2016, 92, 459-472.	1.8	18
15	The Biosurveillance Analytics Resource Directory (BARD): Facilitating the Use of Epidemiological Models for Infectious Disease Surveillance. PLoS ONE, 2016, 11, e0146600.	2.5	8
16	Augmenting Epidemiological Models with Point-Of-Care Diagnostics Data. PLoS ONE, 2016, 11, e0153769.	2.5	3
17	Integrating Symbolic and Statistical Methods for Testing Intelligent Systems Applications to Machine Learning and Computer Vision. , 2016, , .		14
18	ORBiT: Oak Ridge biosurveillance toolkit for public health dynamics. BMC Bioinformatics, 2015, 16, S4.	2.6	6

#	Article	IF	Citations
19	Discovering Multi-Scale Co-Occurrence Patterns of Asthma and Influenza with Oak Ridge Bio-Surveillance Toolkit. Frontiers in Public Health, 2015, 3, 182.	2.7	3
20	Sequential pattern mining of electronic healthcare reimbursement claims: Experiences and challenges in uncovering how patients are treated by physicians. , 2015, , .		5
21	Disease Prediction Models and Operational Readiness. PLoS ONE, 2014, 9, e91989.	2.5	25
22	Oak Ridge Biosurveillance Toolkit: Scalable machine learning for public health surveillance. , 2014, , .		0
23	EpiSpec: A formal specification language for parameterized agent-based models against epidemiological ground truth. , 2014, , .		3
24	The <i>AdaptiV</i> approach to verification of adaptive systems. , 2012, , .		6
25	Verification of Adaptive Systems. , 2012, , .		5
26	Verification of Compartmental Epidemiological Models Using Metamorphic Testing, Model Checking and Visual Analytics. , 2012, , .		16
27	Early Results from Metamorphic Testing of Epidemiological Models. , 2012, , .		26
28	Failure Analysis of a Complex Learning Framework Incorporating Multi-modal and Semi-supervised Learning. , 2011, , .		1
29	The Swarm Model in Open Source Software Developer Communities. , 2010, , .		1
30	Detecting Emergence in Social Networks. , 2010, , .		13
31	Architecture-level dependability analysis of a medical decision support system. , 2010, , .		2
32	Using Genetic Algorithms for Robust Tasking of Multiple UAVs with Diverse Sensors. , 2009, , .		2
33	A Stigmergy Approach for Open Source Software Developer Community Simulation. , 2009, , .		6
34	Reusable templates for incorporating software fault tolerance into system designs. , 1995, , .		0