Ryan J Urbanowicz

List of Publications by Year
in descending order

33 papers	2,091 citations	687220 13 h-index	713332 21 g-index
33 all docs	33 docs citations	33 times ranked	2272 citing authors

#	Article	IF	Citations
1	A Semi-Automated Term Harmonization Pipeline Applied to Pulmonary Arterial Hypertension Clinical Trials. Methods of Information in Medicine, 2022, 61, 003-010.	0.7	4
2	BMI and Treatment Response in Patients With Pulmonary Arterial Hypertension. Chest, 2022, 162, 436-447.	0.4	6
3	Secular and Regional Trends among Pulmonary Arterial Hypertension Clinical Trial Participants. Annals of the American Thoracic Society, 2022, 19, 952-961.	1.5	12
4	RARE. , 2021, , .		3
5	Embracing study heterogeneity for finding genetic interactions in largeâ€scale research consortia. Genetic Epidemiology, 2020, 44, 52-66.	0.6	4
6	Evolutionary algorithms in biomedical data mining. , 2020, , .		1
7	Preparing next-generation scientists for biomedical big data: artificial intelligence approaches. Personalized Medicine, 2019, 16, 247-257.	0.8	28
8	Attribute tracking. , 2018, , .		3
9	Introducing learning classifier systems. , 2018, , .		0
10	Relief-based feature selection: Introduction and review. Journal of Biomedical Informatics, 2018, 85, 189-203.	2.5	723
11	Benchmarking relief-based feature selection methods for bioinformatics data mining. Journal of Biomedical Informatics, 2018, 85, 168-188.	2.5	156
12	A System for Accessible Artificial Intelligence. Genetic and Evolutionary Computation, 2018, , 121-134.	1.0	13
13	Problem Driven Machine Learning by Co-evolving Genetic Programming Trees and Rules in a Learning Classifier System. Genetic and Evolutionary Computation, 2018, , 55-71.	1.0	2
14	Analysis of Geneâ€Gene Interactions. Current Protocols in Human Genetics, 2017, 95, 1.14.1-1.14.10.	3.5	34
15	Introducing rule-based machine learning. , 2017, , .		0
16	PMLB: a large benchmark suite for machine learning evaluation and comparison. BioData Mining, 2017, 10, 36.	2.2	188
17	Pareto Inspired Multi-objective Rule Fitness for Noise-Adaptive Rule-Based Machine Learning. Lecture Notes in Computer Science, 2016, , 514-524.	1.0	4
18	Evaluation of a Tree-based Pipeline Optimization Tool for Automating Data Science. , 2016, , .		290

#	Article	IF	Citations
19	Hands-on Workshop on Learning Classifier Systems. , 2016, , .		0
20	Rule-based machine learning classification and knowledge discovery for complex problems. ACM SIGEVOlution, 2015, 7, 3-11.	0.3	0
21	ExSTraCS 2.0: description and evaluation of a scalable learning classifier system. Evolutionary Intelligence, 2015, 8, 89-116.	2.3	88
22	An Extended Michigan-Style Learning Classifier System for Flexible Supervised Learning, Classification, and Data Mining. Lecture Notes in Computer Science, 2014, , 211-221.	1.0	13
23	Learning Classifier Systems: The Rise of Genetics-Based Machine Learning in Biomedical Data Mining. , 2014, , 265-311.		1
24	A classification and characterization of two-locus, pure, strict, epistatic models for simulation and detection. BioData Mining, 2014, 7, 8.	2.2	9
25	A multi-core parallelization strategy for statistical significance testing in learning classifier systems. Evolutionary Intelligence, 2013, 6, 127-134.	2.3	2
26	An analysis pipeline with statistical and visualization-guided knowledge discovery for Michigan-style learning classifier systems. IEEE Computational Intelligence Magazine, 2012, 7, 35-45.	3.4	50
27	Predicting the difficulty of pure, strict, epistatic models: metrics for simulated model selection. BioData Mining, 2012, 5, 15.	2.2	30
28	GAMETES: a fast, direct algorithm for generating pure, strict, epistatic models with random architectures. BioData Mining, 2012, 5, 16.	2.2	184
29	Using Expert Knowledge to Guide Covering and Mutation in a Michigan Style Learning Classifier System to Detect Epistasis and Heterogeneity. Lecture Notes in Computer Science, 2012, , 266-275.	1.0	24
30	The application of michigan-style learning classifiersystems to address genetic heterogeneity and epistasisin association studies. , 2010, , .		37
31	The Application of Pittsburgh-Style Learning Classifier Systems to Address Genetic Heterogeneity and Epistasis in Association Studies. , 2010, , 404-413.		8
32	Learning Classifier Systems: A Complete Introduction, Review, and Roadmap. Journal of Artificial Evolution and Applications, 2009, 2009, 1-25.	1.8	173
33	Mask Functions for the Symbolic Modeling of Epistasis Using Genetic Programming. , 2008, 2008, 339-346.		1