James Cussens

List of Publications by Year
in descending order

32	453	933447 10	713466 21
papers	citations	h-index	g-index

35	35	35	435
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Integer Linear Programming for the Bayesian network structure learning problem. Artificial Intelligence, 2017, 244, 258-271.	5.8	86
2	Parameter Estimation in Stochastic Logic Programs. Machine Learning, 2001, 44, 245-271.	5.4	75
3	Predicting persistent depressive symptoms in older adults: A machine learning approach to personalised mental healthcare. Journal of Affective Disorders, 2019, 246, 857-860.	4.1	69
4	Maximum Likelihood Pedigree Reconstruction Using Integer Linear Programming. Genetic Epidemiology, 2013, 37, 69-83.	1.3	58
5	Searching Multiregression Dynamic Models of Resting-State fMRI Networks Using Integer Programming. Bayesian Analysis, 2015, 10, .	3.0	25
6	Results from an amino acid racemization inter-laboratory proficiency study; design and performance evaluation. Quaternary Geochronology, 2013, 16, 183-197.	1.4	23
7	Deduction, induction and probabilistic support. SynthÃˆse, 1996, 108, 1-10.	1.1	19
8	Exact estimation of multiple directed acyclic graphs. Statistics and Computing, 2016, 26, 797-811.	1.5	17
9	Bayesian learning of Bayesian networks with informative priors. Annals of Mathematics and Artificial Intelligence, 2008, 54, 53-98.	1.3	15
10	Improved maximum likelihood reconstruction of complex multi-generational pedigrees. Theoretical Population Biology, 2014, 97, 11-19.	1.1	12
11	Polyhedral aspects of score equivalence in Bayesian network structure learning. Mathematical Programming, 2017, 164, 285-324.	2.4	9
12	Finding All Bayesian Network Structures within a Factor of Optimal. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 7892-7899.	4.9	6
13	Leibniz on Estimating the Uncertain. Leibniz Review, 0, 14, 31-41.	0.1	5
14	Integer Programming for Bayesian Network Structure Learning. Quality Technology and Quantitative Management, 2014, 11, 99-110.	1.9	5
15	Special issue on New Developments in Relatedness and Relationship Estimation. Theoretical Population Biology, 2016, 107, 1-3.	1.1	5
16	Distributional logic programming for Bayesian knowledge representation. International Journal of Approximate Reasoning, 2017, 80, 52-66.	3.3	5
17	Approximate Bayesian Computation for the Parameters of PRISM Programs. Lecture Notes in Computer Science, 2011, , 38-46.	1.3	4
18	Tempering for Bayesian C&RT. , 2005, , .		4

#	Article	IF	Citations
19	Identification and quantification of heteroscedasticity in stockâ€“recruitment relationships. Canadian Journal of Fisheries and Aquatic Sciences, 2015, 72, 1259-1271.	1.4	2
20	Towards using the chordal graph polytope in learning decomposable models. International Journal of Approximate Reasoning, 2017, 88, 259-281.	3.3	2
21	Online Causal Structure Learning in the Presence of Latent Variables. , 2019, , .		2
22	Issues in Learning Language in Logic. Lecture Notes in Computer Science, 2002, , 491-505.	1.3	2
23	Learning Bayesian Networks for Improved Instruction Cache Analysis. , 2010, , .		1
24	Learning failure-free PRISM programs. International Journal of Approximate Reasoning, 2015, 67, 73-110.	3.3	1
25	Integrating Probabilistic and Logical Reasoning. Applied Logic Series, 2001, , 241-260.	0.3	1
26	Probabilistic Instruction Cache Analysis Using Bayesian Networks. , 2011, , .		0
27	Online Bayesian inference for the parameters of PRISM programs. Machine Learning, 2012, 89, 279-297.	5.4	0
28	Learning a Generative Failure-Free PRISM Clause. , 2014, , 87-93.		0
29	Introduction to the special issue on probability, logic and learning. Theory and Practice of Logic Programming, 2015, 15, 145-146.	1.5	0
30	Integrated testing strategies can be optimal for chemical risk classification. Mathematical Biosciences, 2017, 290, 1-8.	1.9	0
31	Preface to the special issue on inductive logic programming. Machine Learning, 2018, 107, 1095-1096.	5.4	0
32	The dual polyhedron to the chordal graph polytope and the rebuttal of the chordal graph conjecture. International Journal of Approximate Reasoning, 2021, 138, 188-203.	3.3	0