Colin De La Higuera

List of Publications by Year
in descending order

29 papers	1,077 citations	686830 13 h-index	500791 28 g-index
34 all docs	34 docs citations	34 times ranked	634 citing authors

#	ARTICLE	IF	CITATIONS
1	Probabilistic finite-state machines - part I. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2005, 27, 1013-1025.	9.7	191
2	A bibliographical study of grammatical inference. Pattern Recognition, 2005, 38, 1332-1348.	5.1	165
3	Characteristic Sets for Polynomial Grammatical Inference. Machine Learning, 1997, 27, 125-138.	3.4	85
4	Grammatical Inference for Computational Linguistics. Synthesis Lectures on Human Language Technologies, 2015, 8, 1-139.	2.3	65
5	Probabilistic finite-state machines - part II. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2005, 27, 1026-1039.	9.7	45
6	Computational Complexity of Problems on Probabilistic Grammars and Transducers. Lecture Notes in Computer Science, 2000, , 15-24.	1.0	33
7	Current Trends in Grammatical Inference. Lecture Notes in Computer Science, 2000, , 28-31.	1.0	32
8	PAutomaC: a probabilistic automata and hidden Markov models learning competition. Machine Learning, 2014, 96, 129-154.	3.4	26
9	Polynomial algorithms for subisomorphism of nD open combinatorial maps. Computer Vision and Image Understanding, 2011, 115, 996-1010.	3.0	24
10	Zulu: An Interactive Learning Competition. Lecture Notes in Computer Science, 2010, , 139-146.	1.0	19
11	On the complexity of submap isomorphism and maximum common submap problems. Pattern Recognition, 2015, 48, 302-316.	5.1	17
12	Inferring Deterministic Linear Languages. Lecture Notes in Computer Science, 2002, , 185-200.	1.0	16
13	LARS: A learning algorithm for rewriting systems. Machine Learning, 2007, 66, 7-31.	3.4	15
14	Learning Languages with Help. Lecture Notes in Computer Science, 2002, , 161-173.	1.0	13
15	Identification in the Limit with Probability One of Stochastic Deterministic Finite Automata. Lecture Notes in Computer Science, 2000, , 141-156.	1.0	12
16	Introducing Domain and Typing Bias in Automata Inference. Lecture Notes in Computer Science, 2004, , 115-126.	1.0	9
17	Polynomial algorithms for open plane graph and subgraph isomorphisms. Theoretical Computer Science, 2013, 498, 76-99.	0.5	7
18	Data Complexity Issues in Grammatical Inference. , 2006, , 153-169.		6

#	Article	IF	Citations
19	Ten Open Problems in Grammatical Inference. Lecture Notes in Computer Science, 2006, , 32-44.	1.0	5
20	Learning Languages from Bounded Resources: The Case of the DFA and the Balls of Strings. Lecture Notes in Computer Science, 2008, , 43-56.	1.0	5
21	Computing the Expected Edit Distance from a String to a Probabilistic Finite-State Automaton. International Journal of Foundations of Computer Science, 2017, 28, 603-621.	0.8	4
22	Learning Finite State Machines. Lecture Notes in Computer Science, 2010, , 1-10.	1.0	3
23	Identification in the Limit of Systematic-Noisy Languages. Lecture Notes in Computer Science, 2006, , 19-31.	1.0	3
24	Learning Grammars and Automata with Queries. , 2016, , 47-71.		2
25	Inference of Ï‰-Languages from Prefixes. Lecture Notes in Computer Science, 2001, , 364-377.	1.0	2
26	On Sufficient Conditions to Identify in the Limit Classes of Grammars from Polynomial Time and Data. Lecture Notes in Computer Science, 2002, , 134-148.	1.0	2
27	Representing Languages by Learnable Rewriting Systems. Lecture Notes in Computer Science, 2004, , 139-150.	1.0	1
28	Computing the Expected Edit Distance from a String to a PFA. Lecture Notes in Computer Science, 2016, , 39-50.	1.0	0
29	Computing the Overlaps of Two Maps. Lecture Notes in Computer Science, 2016, , 65-76.	1.0	0