

# John Franco

## List of Publications by Year in descending order

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27  
papers

757  
citations

758635

12  
h-index

676716

22  
g-index

28  
all docs

28  
docs citations

28  
times ranked

145  
citing authors

#	ARTICLE	IF	CITATIONS
1	Probabilistic analysis of the Davis Putnam procedure for solving the satisfiability problem. Discrete Applied Mathematics, 1983, 5, 77-87.	0.5	168
2	Probabilistic Analysis of Two Heuristics for the 3-Satisfiability Problem. SIAM Journal on Computing, 1986, 15, 1106-1118.	0.8	155
3	Probabilistic analysis of a generalization of the unit-clause literal selection heuristics for the k satisfiability problem. Information Sciences, 1990, 51, 289-314.	4.0	139
4	A perspective on certain polynomial-time solvable classes of satisfiability. Discrete Applied Mathematics, 2003, 125, 177-214.	0.5	45
5	On the probabilistic performance of algorithms for the satisfiability problem. Information Processing Letters, 1986, 23, 103-106.	0.4	36
6	Results related to threshold phenomena research in satisfiability: lower bounds. Theoretical Computer Science, 2001, 265, 147-157.	0.5	35
7	Some interesting research directions in satisfiability. Annals of Mathematics and Artificial Intelligence, 2000, 28, 7-15.	0.9	26
8	Probabilistic analysis of the pure literal heuristic for the satisfiability problem. Annals of Operations Research, 1984, 1, 273-289.	2.6	25
9	Probabilistic performance of a heuristic for the satisfiability problem. Discrete Applied Mathematics, 1988, 22, 35-51.	0.5	21
10	Elimination of Infrequent Variables Improves Average Case Performance of Satisfiability Algorithms. SIAM Journal on Computing, 1991, 20, 1119-1127.	0.8	20
11	The analysis of constant drawdown wells using instantaneous source functions. Water Resources Research, 1994, 30, 117-124.	1.7	18
12	Correction to probabilistic analysis of the Davis Putnam procedure for solving the satisfiability problem. Discrete Applied Mathematics, 1987, 17, 295-299.	0.5	14
13	Algorithms for the Satisfiability (SAT) Problem. , 1999, , 379-572.		14
14	An algorithm for the class of pure implicational formulas. Discrete Applied Mathematics, 1999, 96-97, 89-106.	0.5	8
15	An approximation algorithm for the maximum independent set problem in cubic planar graphs. Networks, 1986, 16, 349-356.	1.6	7
16	On the occurrence of null clauses in random instances of satisfiability. Discrete Applied Mathematics, 1993, 41, 203-209.	0.5	5
17	Extending Existential Quantification in Conjunctions of BDDs. Journal of Satisfiability, Boolean Modeling and Computation, 2006, 1, 89-110.	1.2	5
18	Unique satisfiability of Horn sets can be solved in nearly linear time. Discrete Applied Mathematics, 1995, 60, 77-91.	0.5	3

#	ARTICLE	IF	CITATIONS
19	A sharp threshold for the renameable-Horn and the q-Horn properties. Discrete Applied Mathematics, 2005, 153, 48-57.	0.5	3
20	Typical case complexity of Satisfiability Algorithms and the threshold phenomenon. Discrete Applied Mathematics, 2005, 153, 89-123.	0.5	3
21	Creating efficient programs by exchanging data for procedures. Computer Languages, Systems and Structures, 1989, 14, 11-23.	0.3	2
22	On good algorithms for determining unsatisfiability of propositional formulas. Discrete Applied Mathematics, 2003, 130, 129-138.	0.5	2
23	Towards a facility for lexically scoped, dynamic mutual recursion in Scheme. Computer Languages, Systems and Structures, 1990, 15, 55-64.	0.3	1
24	Probabilistic analysis of algorithms for stuck-at test generation in PLAs. , 1992, , 56-75.		1
25	Reply [to "Comment on "The Analysis of Constant Drawdown Wells using Instantaneous Source Functions" by L. C. Murdoch and J. Franco]. Water Resources Research, 1996, 32, 209-210.	1.7	0
26	Probabilistic Analysis of Satisfiability Algorithms. , 0, , 99-159.		0
27	Algorithms for the Satisfiability Problem. , 2013, , 311-454.		0