

# Francisco Javier Larrosa Bondia

## List of Publications by Year in descending order

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Version: 2024-02-01

33  
papers

737  
citations

687363

13  
h-index

552781

26  
g-index

37  
all docs

37  
docs citations

37  
times ranked

369  
citing authors

#	ARTICLE	IF	CITATIONS
1	Solving weighted CSP by maintaining arc consistency. <i>Artificial Intelligence</i> , 2004, 159, 1-26.	5.8	112
2	Constraint satisfaction algorithms for graph pattern matching. <i>Mathematical Structures in Computer Science</i> , 2002, 12, 403-422.	0.6	92
3	A logical approach to efficient Max-SAT solving. <i>Artificial Intelligence</i> , 2008, 172, 204-233.	5.8	62
4	Maintaining reversible DAC for Max-CSP. <i>Artificial Intelligence</i> , 1999, 107, 149-163.	5.8	59
5	Unifying tree decompositions for reasoning in graphical models. <i>Artificial Intelligence</i> , 2005, 166, 165-193.	5.8	51
6	On forward checking for non-binary constraint satisfaction. <i>Artificial Intelligence</i> , 2002, 141, 205-224.	5.8	44
7	Solving Max-SAT as Weighted CSP. <i>Lecture Notes in Computer Science</i> , 2003, , 363-376.	1.3	43
8	Bucket elimination for multiobjective optimization problems. <i>Journal of Heuristics</i> , 2006, 12, 307-328.	1.4	42
9	Title is missing!. <i>Constraints</i> , 2003, 8, 303-326.	0.7	35
10	MiniMaxSat: A New Weighted Max-SAT Solver. , 2007, , 41-55.		34
11	Exploiting the use of DAC in MAX-CSP. <i>Lecture Notes in Computer Science</i> , 1996, , 308-322.	1.3	24
12	Partition-Based Lower Bound for Max-CSP. <i>Lecture Notes in Computer Science</i> , 1999, , 303-315.	1.3	16
13	2006 and 2007 Max-SAT Evaluations: Contributed Instances. <i>Journal of Satisfiability, Boolean Modeling and Computation</i> , 2008, 4, 239-250.	1.2	13
14	A General Scheme for Multiple Lower Bound Computation in Constraint Optimization. <i>Lecture Notes in Computer Science</i> , 2001, , 346-360.	1.3	11
15	A Framework for Certified Boolean Branch-and-Bound Optimization. <i>Journal of Automated Reasoning</i> , 2011, 46, 81-102.	1.4	10
16	Partition-Based Lower Bound for Max-CSP. <i>Constraints</i> , 2002, 7, 407-419.	0.7	8
17	Intelligent variable orderings and re-orderings in DAC-based solvers for WCSP. <i>Journal of Heuristics</i> , 2006, 12, 287-306.	1.4	8
18	Towards a Better Understanding of (Partial Weighted) MaxSAT Proof Systems. <i>Lecture Notes in Computer Science</i> , 2020, , 218-232.	1.3	8

#	ARTICLE	IF	CITATIONS
19	Lower Bounds for Non-binary Constraint Optimization Problems. Lecture Notes in Computer Science, 2001, , 317-331.	1.3	6
20	Solving "Still Life"™ with Soft Constraints and Bucket Elimination. Lecture Notes in Computer Science, 2003, , 466-479.	1.3	6
21	A Soft Approach to Multi-objective Optimization. Lecture Notes in Computer Science, 2008, , 764-768.	1.3	6
22	Augmenting the Power of (Partial) MaxSat Resolution with Extension. Proceedings of the AAAI Conference on Artificial Intelligence, 2020, 34, 1561-1568.	4.9	6
23	A Max-SAT Inference-Based Pre-processing for Max-Clique. , 2008, , 139-152.		4
24	Branch and Bound for Boolean Optimization and the Generation of Optimality Certificates. Lecture Notes in Computer Science, 2009, , 453-466.	1.3	4
25	Local arc consistency for non-invertible semirings, with an application to multi-objective optimization. Expert Systems With Applications, 2012, 39, 1708-1717.	7.6	3
26	Subproblem ordering heuristics for AND/OR best-first search. Journal of Computer and System Sciences, 2018, 94, 41-62.	1.2	2
27	Tree Decomposition with Function Filtering. Lecture Notes in Computer Science, 2005, , 593-606.	1.3	2
28	Non-monotonic characterization of induction and its application to inductive learning. International Journal of Intelligent Systems, 1995, 10, 895-927.	5.7	1
29	Semiring-Induced Propositional Logic: Definition and Basic Algorithms. Lecture Notes in Computer Science, 2010, , 332-347.	1.3	1
30	Improving the Applicability of Adaptive Consistency: Preliminary Results. Lecture Notes in Computer Science, 2004, , 757-761.	1.3	1
31	Extending Soft Arc Consistency Algorithms to Non-invertible Semirings. Lecture Notes in Computer Science, 2010, , 386-398.	1.3	1
32	A Framework for Abductive Rule Formation. AI Communications, 1995, 8, 91-100.	1.2	0
33	Proof Complexity for the Maximum Satisfiability Problem and its Use in SAT Refutations. Journal of Logic and Computation, 0, , .	0.8	0