Wolfgang Faber

List of Publications by Year
in descending order

72	2,110	394286	265120
papers	citations	19	42
		h-index	g-index

79	79	79	627
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The DLV system for knowledge representation and reasoning. ACM Transactions on Computational Logic, 2006, 7, 499-562.	0.7	737
2	Semantics and complexity of recursive aggregates in answer set programming. Artificial Intelligence, 2011, 175, 278-298.	3.9	139
3	Recursive Aggregates in Disjunctive Logic Programs: Semantics and Complexity. Lecture Notes in Computer Science, 2004, , 200-212.	1.0	107
4	Declarative Problem-Solving Using the DLV System. , 2000, , 79-103.		93
5	ASP-Core-2 Input Language Format. Theory and Practice of Logic Programming, 2020, 20, 294-309.	1.1	83
6	A logic programming approach to knowledge-state planning, II: The system. Artificial Intelligence, 2003, 144, 157-211.	3.9	75
7	A logic programming approach to knowledge-state planning. ACM Transactions on Computational Logic, 2004, 5, 206-263.	0.7	69
8	WASP: A Native ASP Solver Based on Constraint Learning. Lecture Notes in Computer Science, 2013, , 54-66.	1.0	53
9	Design and implementation of aggregate functions in the DLV system. Theory and Practice of Logic Programming, 2008, 8, 545-580.	1.1	52
10	The INFOMIX system for advanced integration of incomplete and inconsistent data. , 2005, , .		49
11	The DLV System. Lecture Notes in Computer Science, 2002, , 537-540.	1.0	37
12	Magic Sets and their application to data integration. Journal of Computer and System Sciences, 2007, 73, 584-609.	0.9	34
13	Complexity results for answer set programming with bounded predicate arities and implications. Annals of Mathematics and Artificial Intelligence, 2007, 51, 123-165.	0.9	34
14	Planning under Incomplete Knowledge. Lecture Notes in Computer Science, 2000, , 807-821.	1.0	33
15	Computing preferred answer sets by meta-interpretation in Answer Set Programming. Theory and Practice of Logic Programming, 2003, 3, 463-498.	1.1	32
16	Enhancing the Magic-Set Method for Disjunctive Datalog Programs. Lecture Notes in Computer Science, 2004, , 371-385.	1.0	32
17	Magic Sets for disjunctive Datalog programs. Artificial Intelligence, 2012, 187-188, 156-192.	3.9	27
18	Pushing Goal Derivation in DLP Computations. Lecture Notes in Computer Science, 1999, , 177-191.	1.0	26

#	Article	IF	Citations
19	Disjunctive ASP with functions: Decidable queries and effective computation. Theory and Practice of Logic Programming, 2010, 10, 497-512.	1.1	23
20	The Third Answer Set Programming Competition: Preliminary Report of the System Competition Track. Lecture Notes in Computer Science, 2011, , 388-403.	1.0	22
21	Rewriting recursive aggregates in answer set programming: back to monotonicity. Theory and Practice of Logic Programming, 2015, 15, 559-573.	1.1	18
22	The ASP System DLV: Advancements and Applications. KI - Kunstliche Intelligenz, 2018, 32, 177-179.	2.2	17
23	Unfounded Sets for Disjunctive Logic Programs with Arbitrary Aggregates. Lecture Notes in Computer Science, 2005, , 40-52.	1.0	17
24	The Intelligent Grounder of DLV. Lecture Notes in Computer Science, 2012, , 247-264.	1.0	17
25	Disjunctive logic programs with inheritance. Theory and Practice of Logic Programming, 2002, 2, 293-321.	1.1	16
26	Magic Sets and Their Application to Data Integration. Lecture Notes in Computer Science, 2004, , 306-320.	1.0	15
27	Dynamic Magic Sets and super-coherent answer set programs. AI Communications, 2011, 24, 125-145.	0.8	14
28	The Complexity Boundary of Answer Set Programming with Generalized Atoms under the FLP Semantics. Lecture Notes in Computer Science, 2013, , 67-72.	1.0	14
29	Disjunctive datalog with existential quantifiers: Semantics, decidability, and complexity issues. Theory and Practice of Logic Programming, 2012, 12, 701-718.	1.1	13
30	Aggregates in Answer Set Programming. KI - Kunstliche Intelligenz, 2018, 32, 119-124.	2.2	13
31	Undoing the effects of action sequences. Journal of Applied Logic, 2008, 6, 380-415.	1.1	11
32	Look-back techniques and heuristics in DLV: Implementation, evaluation, and comparison to QBF solvers. Journal of Algorithms, 2008, 63, 70-89.	0.9	11
33	Manifold Answer-Set Programs for Meta-reasoning. Lecture Notes in Computer Science, 2009, , 115-128.	1.0	11
34	The DLVK Planning System: Progress Report. Lecture Notes in Computer Science, 2002, , 541-544.	1.0	10
35	The DLV Project: A Tour from Theory and Research to Applications and Market. Lecture Notes in Computer Science, 2008, , 53-68.	1.0	9
36	Efficient Computation of the Well-Founded Semantics over Big Data. Theory and Practice of Logic Programming, 2014, 14, 445-459.	1.1	8

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37	Testing Strong Equivalence of Datalog Programs – Implementation and Examples. Lecture Notes in Computer Science, 2005, , 437-441.	1.0	8
38	Answer Set Planning under Action Costs. Lecture Notes in Computer Science, 2002, , 186-197.	1.0	6
39	Strong order equivalence. Annals of Mathematics and Artificial Intelligence, 2006, 47, 43-78.	0.9	5
40	On look-ahead heuristics in disjunctive logic programming. Annals of Mathematics and Artificial Intelligence, 2007, 51, 229-266.	0.9	5
41	Solving Hard ASP Programs Efficiently. Lecture Notes in Computer Science, 2005, , 240-252.	1.0	5
42	Normal Form Nested Programs. Lecture Notes in Computer Science, 2008, , 76-88.	1.0	5
43	Manifold Answer-Set Programs and Their Applications. Lecture Notes in Computer Science, 2011, , 44-63.	1.0	5
44	On the Reversibility of Actions in Planning. , 2020, , .		5
45	Automated Training Plan Generation for Athletes. , 2018, , .		4
46	Strong Equivalence for Epistemic Logic Programs Made Easy. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 2809-2816.	3.6	4
47	Paracoherent answer set computation. Artificial Intelligence, 2021, 299, 103519.	3.9	4
48	Supportedly Stable Answer Sets for Logic Programs with Generalized Atoms. Lecture Notes in Computer Science, 2015, , 30-44.	1.0	4
49	Universal and Uniform Action Reversibility. , 2021, , .		4
50	The Relationship Between Reasoning About Privacy and Default Logics. Lecture Notes in Computer Science, 2005, , 637-650.	1.0	3
51	Normal Form Nested Programs. Fundamenta Informaticae, 2009, 96, 271-295.	0.3	3
52	Look-back Techniques for ASP Programs with Aggregates. Fundamenta Informaticae, 2011, 107, 379-413.	0.3	3
53	Complexity of super-coherence problems in ASP. Theory and Practice of Logic Programming, 2014, 14, 339-361.	1.1	3
54	Experimenting with Look-Back Heuristics for Hard ASP Programs. , 2007, , 110-122.		3

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55	Thirty years of Epistemic Specifications. Theory and Practice of Logic Programming, 2022, 22, 1043-1083.	1.1	3
56	On the Complexity of Answer Set Programming with Aggregates. , 2007, , 97-109.		3
57	Determining Action Reversibility inÂSTRIPS Using Answer Set Programming withÂQuantifiers. Lecture Notes in Computer Science, 2022, , 42-56.	1.0	3
58	Aggregate Semantics for Propositional Answer Set Programs. Theory and Practice of Logic Programming, 2023, 23, 157-194.	1.1	3
59	Determining Action Reversibility in STRIPS Using Answer Set and Epistemic Logic Programming. Theory and Practice of Logic Programming, 0, , 1-17.	1.1	2
60	System Description: DLV. Lecture Notes in Computer Science, 2001, , 424-428.	1.0	2
61	New DLV Features for Data Integration. Lecture Notes in Computer Science, 2004, , 698-701.	1.0	2
62	Chain Answer Sets for Logic Programs with Generalized Atoms. Lecture Notes in Computer Science, 2019, , 462-478.	1.0	2
63	On Uniform Equivalence of Epistemic Logic Programs. Theory and Practice of Logic Programming, 2019, 19, 826-840.	1.1	1
64	Optimizing the Computation of Heuristics for Answer Set Programming Systems. Lecture Notes in Computer Science, 2001, , 295-308.	1.0	1
65	Privacy Preservation Using Multi-context Systems and Default Logic. Lecture Notes in Computer Science, 2012, , 195-210.	1.0	1
66	Answer Set Programming. Lecture Notes in Computer Science, 2013, , 162-193.	1.0	1
67	An Introduction to Answer Set Programming and Some of Its Extensions. Lecture Notes in Computer Science, 2020, , 149-185.	1.0	1
68	Introduction to the special issue on the 25th annual GULP conference. Theory and Practice of Logic Programming, 2013, 13, 147-148.	1.1	0
69	Web reasoning and rule systems. Semantic Web, 2015, 6, 425-426.	1.1	0
70	Effectively solving NP-SPEC encodings by translation to ASP. Journal of Experimental and Theoretical Artificial Intelligence, 2015, 27, 577-601.	1.8	0
71	System Description: The DLVK Planning System. Lecture Notes in Computer Science, 2001, , 429-433.	1.0	0
72	nfn2dlp and nfnsolve: Normal Form Nested Programs Compiler and Solver. Lecture Notes in Computer Science, 2009, , 477-482.	1.0	0