Torsten Schaub

List of Publications by Year
in descending order

184	3,834	212478 28	242451 47
papers	citations	h-index	g-index

209	209	209	1357
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Linear-Time Temporal Answer Set Programming. Theory and Practice of Logic Programming, 2023, 23, 2-56.	1.1	9
2	Answer Set Planning: A Survey. Theory and Practice of Logic Programming, 2023, 23, 226-298.	1.1	3
3	How to Build Your Own ASP-based System?!. Theory and Practice of Logic Programming, 2023, 23, 299-361.	1.1	12
4	Train Scheduling with Hybrid Answer Set Programming. Theory and Practice of Logic Programming, 2021, 21, 317-347.	1.1	11
5	ASP-Core-2 Input Language Format. Theory and Practice of Logic Programming, 2020, 20, 294-309.	1.1	83
6	eclingo : A Solver for Epistemic Logic Programs. Theory and Practice of Logic Programming, 2020, 20, 834-847.	1.1	7
7	Towards Metric Temporal Answer Set Programming. Theory and Practice of Logic Programming, 2020, 20, 783-798.	1.1	7
8	Verifying Tight Logic Programs with anthem and vampire. Theory and Practice of Logic Programming, 2020, 20, 735-750.	1.1	16
9	Towards Verifying Logic Programs in the Input Language of clingo. Lecture Notes in Computer Science, 2020, , 190-209.	1.0	2
10	A Uniform Treatment of Aggregates and Constraints in Hybrid ASP. , 2020, , .		3
11	Multi-shot ASP solving with clingo. Theory and Practice of Logic Programming, 2019, 19, 27-82.	1.1	108
12	Towards Dynamic Answer Set Programming over Finite Traces. Lecture Notes in Computer Science, 2019, , 148-162.	1.0	4
13	Train Scheduling with Hybrid ASP. Lecture Notes in Computer Science, 2019, , 3-17.	1.0	15
14	plasp 3: Towards Effective ASP Planning. Theory and Practice of Logic Programming, 2019, 19, 477-504.	1.1	9
15	Gelfondâ€“Zhang aggregates as propositional formulas. Artificial Intelligence, 2019, 274, 26-43.	3.9	3
16	Hybrid metabolic network completion. Theory and Practice of Logic Programming, 2019, 19, 83-108.	1.1	5
17	$${varvec{teaspoon}}$$: solving the curriculum-based course timetabling problems with answer set programming. Annals of Operations Research, 2019, 275, 3-37.	2.6	24
18	telingoÂ=ÂASPÂ+ÂTime. Lecture Notes in Computer Science, 2019, , 256-269.	1.0	16

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19	Verifying Strong Equivalence of Programs in the Input Language of gringo. Lecture Notes in Computer Science, 2019, , 270-283.	1.0	10
20	Lower Bound Founded Logic of Here-and-There. Lecture Notes in Computer Science, 2019, , 509-525.	1.0	0
21	The Return of xorro. Lecture Notes in Computer Science, 2019, , 284-297.	1.0	2
22	On the Integration of CP-nets in ASPRIN. , 2019, , .		0
23	Utilizing quad-trees for efficient design space exploration with partial assignment evaluation. , 2018, , .		1
24	High-level synthesis of on-chip multiprocessor architectures based on answer set programming. Journal of Parallel and Distributed Computing, 2018, 117, 161-179.	2.7	5
25	Work-in-Progress: On Leveraging Approximations for Exact System-level Design Space Exploration. , 2018, , .		1
26	Experimenting with robotic intra-logistics domains. Theory and Practice of Logic Programming, 2018, 18, 502-519.	1.1	10
27	Special Issue on Answer Set Programming. KI - Kunstliche Intelligenz, 2018, 32, 101-103.	2.2	10
28	Routing Driverless Transport Vehicles in Car Assembly with Answer Set Programming. Theory and Practice of Logic Programming, 2018, 18, 520-534.	1.1	19
29	Temporal Answer Set Programming on Finite Traces. Theory and Practice of Logic Programming, 2018, 18, 406-420.	1.1	17
30	Design Space Exploration with Answer Set Programming. KI - Kunstliche Intelligenz, 2018, 32, 205-206.	2.2	1
31	Exact multi-objective design space exploration using ASPmT. , 2018, , .		11
32	The Potsdam Answer Set Solving Collection 5.0. KI - Kunstliche Intelligenz, 2018, 32, 181-182.	2.2	11
33	Interview with Vladimir Lifschitz. KI - Kunstliche Intelligenz, 2018, 32, 213-218.	2.2	0
34	Advanced Solving Technology for Dynamic and Reactive Applications. KI - Kunstliche Intelligenz, 2018, 32, 199-200.	2.2	0
35	Interview with Gerhard Brewka. KI - Kunstliche Intelligenz, 2018, 32, 219-221.	2.2	0
36	Answer set programming unleashed!. KI - Kunstliche Intelligenz, 2018, 32, 105-108.	2.2	10

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37	Efficiency Analysis of ASP Encodings for Sequential Pattern Mining Tasks. Studies in Computational Intelligence, 2018, , 41-81.	0.7	7
38	Evaluation Techniques and Systems for Answer Set Programming: a Survey. , 2018, , .		22
39	Clingo goes linear constraints over reals and integers. Theory and Practice of Logic Programming, 2017, 17, 872-888.	1.1	32
40	Enhancing symbolic system synthesis through ASPmT with partial assignment evaluation. , 2017, , .		10
41	Automatic construction of parallel portfolios via algorithm configuration. Artificial Intelligence, 2017, 244, 272-290.	3.9	19
42	Clingcon: The next generation. Theory and Practice of Logic Programming, 2017, 17, 408-461.	1.1	28
43	A Tutorial on Hybrid Answer Set Solving with clingo. Lecture Notes in Computer Science, 2017, , 167-203.	1.0	16
44	Gelfond-Zhang Aggregates as Propositional Formulas. Lecture Notes in Computer Science, 2017, , 117-131.	1.0	2
45	Generalized Target Assignment and Path Finding Using Answer Set Programming. , 2017, , .		26
46	Modeling and Language Extensions. AI Magazine, 2016, 37, 33-44.	1.4	13
47	Grounding and Solving in Answer Set Programming. AI Magazine, 2016, 37, 25-32.	1.4	52
48	Answer Set Programming Modulo Acyclicity*. Fundamenta Informaticae, 2016, 147, 63-91.	0.3	22
49	Shift Design with Answer Set Programming*. Fundamenta Informaticae, 2016, 147, 1-25.	0.3	20
50	Boolean network identification from perturbation time series data combining dynamics abstraction and logic programming. BioSystems, 2016, 149, 139-153.	0.9	39
51	Writing Declarative Specifications for Clauses. Lecture Notes in Computer Science, 2016, , 256-271.	1.0	4
52	aspeed: Solver scheduling via answer set programming. Theory and Practice of Logic Programming, 2015, 15, 117-142.	1.1	15
53	A Symbolic System Synthesis Approach for Hard Real-Time Systems Based on Coordinated SMT-Solving. , 2015, , .		10
54	Designing Experiments to Discriminate Families of Logic Models. Frontiers in Bioengineering and Biotechnology, 2015, 3, 131.	2.0	6

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55	Ricochet Robots Reloaded: A Case-Study in Multi-shot ASP Solving. Lecture Notes in Computer Science, 2015, , 17-32.	1.0	12
56	Learning Boolean logic models of signaling networks with ASP. Theoretical Computer Science, 2015, 599, 79-101.	0.5	20
57	aspartame: Solving Constraint Satisfaction Problems with Answer Set Programming. Lecture Notes in Computer Science, 2015, , 112-126.	1.0	5
58	Answer Set Programming Modulo Acyclicity. Lecture Notes in Computer Science, 2015, , 143-150.	1.0	8
59	Implementing Preferences with asprin. Lecture Notes in Computer Science, 2015, , 158-172.	1.0	7
60	Progress in clasp Series 3. Lecture Notes in Computer Science, 2015, , 368-383.	1.0	39
61	Integrating ASP into ROS for Reasoning in Robots. Lecture Notes in Computer Science, 2015, , 69-82.	1.0	10
62	Improving Coordinated SMT-Based System Synthesis by Utilizing Domain-Specific Heuristics. Lecture Notes in Computer Science, 2015, , 55-68.	1.0	5
63	An Implementation of Consistency-Based Multi-agent Belief Change Using ASP. Lecture Notes in Computer Science, 2015, , 480-487.	1.0	0
64	Boolean Network Identification from Multiplex Time Series Data. Lecture Notes in Computer Science, 2015, , 170-181.	1.0	1
65	ASP Solving for Expanding Universes. Lecture Notes in Computer Science, 2015, , 354-367.	1.0	3
66	<tt>claspfolio</tt>2: Advances in Algorithm Selection for Answer Set Programming. Theory and Practice of Logic Programming, 2014, 14, 569-585.	1.1	43
67	A Model-Theoretic Approach to Belief Change in Answer Set Programming. ACM Transactions on Computational Logic, 2013, 14, 1-46.	0.7	25
68	Tableau Calculi for Logic Programs under Answer Set Semantics. ACM Transactions on Computational Logic, 2013, 14, 1-40.	0.7	10
69	Matchmaking with Answer Set Programming. Lecture Notes in Computer Science, 2013, , 342-347.	1.0	12
70	Minimal intervention strategies in logical signaling networks with ASP. Theory and Practice of Logic Programming, 2013, 13, 675-690.	1.1	15
71	Answer set programming as a modeling language for course timetabling. Theory and Practice of Logic Programming, 2013, 13, 783-798.	1.1	15
72	Fostering Social Interaction of Home-Bound Elderly People: The EasyReach System. Lecture Notes in Computer Science, 2013, , 33-42.	1.0	5

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73	Extending the Metabolic Network of EctocarpusÂSiliculosus Using Answer Set Programming. Lecture Notes in Computer Science, 2013, , 245-256.	1.0	11
74	Ricochet Robots: A Transverse ASP Benchmark. Lecture Notes in Computer Science, 2013, , 348-360.	1.0	11
75	Symbolic System Synthesis Using Answer Set Programming. Lecture Notes in Computer Science, 2013, , 79-91.	1.0	14
76	Answer Set Programming: Boolean Constraint Solving for Knowledge Representation and Reasoning. Lecture Notes in Computer Science, 2013, , 3-4.	1.0	0
77	Accurate Computation of Sensitizable Paths Using Answer Set Programming. Lecture Notes in Computer Science, 2013, , 92-101.	1.0	2
78	ASP modulo CSP: The clingcon system. Theory and Practice of Logic Programming, 2012, 12, 485-503.	1.1	41
79	Multi-threaded ASP solving with clasp. Theory and Practice of Logic Programming, 2012, 12, 525-545.	1.1	17
80	Answer Set Solving in Practice. Synthesis Lectures on Artificial Intelligence and Machine Learning, 2012, 6, 1-238.	0.6	158
81	Conflict-driven answer set solving: From theory to practice. Artificial Intelligence, 2012, 187-188, 52-89.	3.9	208
82	Gearing Up for Effective ASP Planning. Lecture Notes in Computer Science, 2012, , 296-310.	1.0	5
83	An incremental answer set programming based system for finite model computation. AI Communications, 2011, 24, 195-212.	0.8	14
84	Potassco: The Potsdam Answer Set Solving Collection. AI Communications, 2011, 24, 107-124.	0.8	252
85	Detecting inconsistencies in large biological networks with answer set programming. Theory and Practice of Logic Programming, 2011, 11, 323-360.	1.1	41
86	Automatic network reconstruction using ASP. Theory and Practice of Logic Programming, 2011, 11, 749-766.	1.1	10
87	Complex optimization in answer set programming. Theory and Practice of Logic Programming, 2011, 11, 821-839.	1.1	43
88	Knowledge-based multi-criteria optimization to support indoor positioning. Annals of Mathematics and Artificial Intelligence, 2011, 62, 345-370.	0.9	4
89	Centurio, a General Game Player: Parallel, Java- and ASP-based. KI - Kunstliche Intelligenz, 2011, 25, 17-24.	2.2	15
90	Advances in gringo Series 3. Lecture Notes in Computer Science, 2011, , 345-351.	1.0	66

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91	A Portfolio Solver for Answer Set Programming: Preliminary Report. Lecture Notes in Computer Science, 2011, , 352-357.	1.0	42
92	plasp: A Prototype for PDDL-Based Planning in ASP. Lecture Notes in Computer Science, 2011, , 358-363.	1.0	12
93	The BioASP Library: ASP Solutions for Systems Biology. , 2010, , .		15
94	Introduction to the 26th international conference on logic programming special issue. Theory and Practice of Logic Programming, 2010, 10, 361-364.	1.1	1
95	Answer Set Programming, the Solving Paradigm for Knowledge Representation and Reasoning. Lecture Notes in Computer Science, 2010, , 2-2.	1.0	0
96	An Incremental Answer Set Programming Based System for Finite ModelComputation. Lecture Notes in Computer Science, 2010, , 169-181.	1.0	7
97	Answer Set versus Integer Linear Programming for Automatic Synthesis of Multiprocessor Systems from Real-Time Parallel Programs. International Journal of Reconfigurable Computing, 2009, 2009, 1-11.	0.2	15
98	Monotonic Answer Set Programming. Journal of Logic and Computation, 2009, 19, 539-564.	0.5	12
99	Solution Enumeration for Projected Boolean Search Problems. Lecture Notes in Computer Science, 2009, , 71-86.	1.0	49
100	Merging Logic Programs under Answer Set Semantics. Lecture Notes in Computer Science, 2009, , 160-174.	1.0	15
101	Constraint Answer Set Solving. Lecture Notes in Computer Science, 2009, , 235-249.	1.0	56
102	On the Implementation of Weight Constraint Rules in Conflict-Driven ASP Solvers. Lecture Notes in Computer Science, 2009, , 250-264.	1.0	17
103	Metabolic Network Expansion with Answer Set Programming. Lecture Notes in Computer Science, 2009, , 312-326.	1.0	24
104	Experiences Running a Parallel Answer Set Solver on Blue Gene. Lecture Notes in Computer Science, 2009, , 64-72.	1.0	4
105	On the Input Language of ASP Grounder Gringo. Lecture Notes in Computer Science, 2009, , 502-508.	1.0	20
106	The Conflict-Driven Answer Set Solver clasp: Progress Report. Lecture Notes in Computer Science, 2009, , 509-514.	1.0	47
107	Making Your Hands Dirty Inspires Your Brain! Or How to Switch ASP into Production Mode. Lecture Notes in Computer Science, 2009, , 631-633.	1.0	1
108	spock: A Debugging Support Tool for Logic Programs under the Answer-Set Semantics. Lecture Notes in Computer Science, 2009, , 247-252.	1.0	2

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109	Modeling Biological Networks by Action Languages via Answer Set Programming. Constraints, 2008, 13, 21-65.	0.4	42
110	The System BioC for Reasoning about Biological Models in Action Language C. , 2008, , .		6
111	Alternative Characterizations for Program Equivalence under Answer-Set Semantics Based on Unfounded Sets. , 2008, , 24-41.		2
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113	Engineering an Incremental ASP Solver. Lecture Notes in Computer Science, 2008, , 190-205.	1.0	64
114	Hereâ€™s the Beef: Answer Set Programming !. Lecture Notes in Computer Science, 2008, , 93-98.	1.0	3
115	Model-Based Knowledge Representation and Reasoning Via Answer Set Programming. , 2008, , 1-2.		0
116	A General Framework for Expressing Preferences in Causal Reasoning and Planning. Journal of Logic and Computation, 2007, 17, 871-907.	0.5	3
117	A consistency-based framework for merging knowledge bases. Journal of Applied Logic, 2007, 5, 459-477.	1.1	12
118	Conflict-Driven Answer Set Enumeration. , 2007, , 136-148.		34
119	clasp: A Conflict-Driven Answer Set Solver. , 2007, , 260-265.		151
120	GrinGo: A New Grounder for Answer Set Programming. , 2007, , 266-271.		100
121	The First Answer Set Programming System Competition. , 2007, , 3-17.		48
122	Debugging ASP Programs by Means of ASP. Lecture Notes in Computer Science, 2007, , 31-43.	1.0	22
123	A Preference-Based Framework for Updating Logic Programs. Lecture Notes in Computer Science, 2007, , 71-83.	1.0	18
124	Generic Tableaux for Answer Set Programming. , 2007, , 119-133.		7
125	Qualitative Constraint Enforcement in Advanced Policy Specification. Lecture Notes in Computer Science, 2007, , 695-706.	1.0	3
126	COBA 2.0: A Consistency-Based Belief Change System. Lecture Notes in Computer Science, 2007, , 78-90.	1.0	7

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127	Graphs and colorings for answer set programming. Theory and Practice of Logic Programming, 2006, 6, 61-106.	1.1	13
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129	Tableau Calculi for Answer Set Programming. Lecture Notes in Computer Science, 2006, , 11-25.	1.0	21
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131	Finding Metabolic Pathways in Decision Forests. , 2005, , 199-206.		0
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133	Platypus: A Platform for Distributed Answer Set Solving. Lecture Notes in Computer Science, 2005, , 227-239.	1.0	15
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136	Representing Paraconsistent Reasoning via Quantified Propositional Logic. Lecture Notes in Computer Science, 2005, , 84-118.	1.0	10
137	A Classification and Survey of Preference Handling Approaches in Nonmonotonic Reasoning. Computational Intelligence, 2004, 20, 308-334.	2.1	81
138	Reasoning with Sets of Defaults in Default Logic. Computational Intelligence, 2004, 20, 56-88.	2.1	2
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141	A consistency-based approach for belief change. Artificial Intelligence, 2003, 151, 1-41.	3.9	42
142	A framework for compiling preferences in logic programs. Theory and Practice of Logic Programming, 2003, 3, 129-187.	1.1	82
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146	nlp: A Compiler for Nested Logic Programming. Lecture Notes in Computer Science, 2003, , 361-364.	1.0	1
147	On the Relation between Reiterâ€™s Default Logic and Its (Major) Variants. Lecture Notes in Computer Science, 2003, , 452-463.	1.0	0
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149	A Polynomial Translation of Logic Programs with Nested Expressions into Disjunctive Logic Programs: Preliminary Report. Lecture Notes in Computer Science, 2002, , 405-420.	1.0	16
150	Paraconsistent Reasoning via Quantified Boolean Formulas, I: Axiomatising Signed Systems. Lecture Notes in Computer Science, 2002, , 320-331.	1.0	7
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152	On Computing Solutions to Belief Change Scenarios. Lecture Notes in Computer Science, 2001, , 510-521.	1.0	8
153	plp: A Generic Compiler for Ordered Logic Programs. Lecture Notes in Computer Science, 2001, , 411-415.	1.0	5
154	How to Reason Credulously and Skeptically within a Single Extension. Lecture Notes in Computer Science, 2001, , 592-603.	1.0	0
155	Expressing preferences in default logic. Artificial Intelligence, 2000, 123, 41-87.	3.9	38
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157	A Compilation of Brewka and Eiterâ€™s Approach to Prioritization. Lecture Notes in Computer Science, 2000, , 376-390.	1.0	9
158	The Role of Default Logic in Knowledge Representation. , 2000, , 107-126.		9
159	A Connection Calculus for Handling Incomplete Information. Applied Logic Series, 2000, , 47-66.	0.3	0
160	Default Reasoning via Blocking Sets. Lecture Notes in Computer Science, 1999, , 247-261.	1.0	1
161	Avoiding Non-Ground Variables. Lecture Notes in Computer Science, 1999, , 92-103.	1.0	1
162	On bottom-up pre-processing techniques for automated default reasoning. Lecture Notes in Computer Science, 1999, , 268-278.	1.0	1

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163	Prolog technology for default reasoning: proof theory and compilation techniques. Artificial Intelligence, 1998, 106, 1-75.	3.9	5
164	Signed Systems for Paraconsistent Reasoning. Journal of Automated Reasoning, 1998, 20, 191-213.	1.1	29
165	Reasoning with sets of preferences in default logic. Lecture Notes in Computer Science, 1998, , 134-145.	1.0	0
166	The XRay system: An implementation platform for local query-answering in default logics. Lecture Notes in Computer Science, 1998, , 354-378.	1.0	9
167	An Approach to Query-Answering in Reiterâ€™s Default Logic and the Underlying Existence of Extensions Problem. Lecture Notes in Computer Science, 1998, , 233-247.	1.0	8
168	The Family of Default Logics. , 1998, , 77-133.		5
169	Towards a classification of defaults logics. Journal of Applied Non-Classical Logics, 1997, 7, 397-451.	0.4	7
170	An implementation platform for query-answering in default logics: The XRay system, its implementation and evaluation. Lecture Notes in Computer Science, 1997, , 441-452.	1.0	7
171	An implementation platform for query-answering in default logics: Theoretical underpinnings. Lecture Notes in Computer Science, 1997, , 197-206.	1.0	2
172	A simple signed system for paraconsistent reasoning. Lecture Notes in Computer Science, 1996, , 404-416.	1.0	5
173	Putting default logics in perspective. Lecture Notes in Computer Science, 1996, , 241-252.	1.0	1
174	A model-based approach to consistency-checking. Lecture Notes in Computer Science, 1996, , 315-324.	1.0	6
175	Default reasoning by deductive planning. Journal of Automated Reasoning, 1995, 15, 1-40.	1.1	10
176	A new methodology for query answering in default logics via structure-oriented theorem proving. Journal of Automated Reasoning, 1995, 15, 95-165.	1.1	29
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181	Planning with Incomplete Information in Quantified Answer Set Programming. Theory and Practice of Logic Programming, 0, , 1-17.	1.1	5
182	Suggesting New Interactions Related to Events in a Social Network for Elderly. , 0, , .		4
183	AutoFolio: An Automatically Configured Algorithm Selector. Journal of Artificial Intelligence Research, 0, 53, 745-778.	7.0	58
184	aspcud: A Linux Package Configuration Tool Based on Answer Set Programming. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 65, 12-25.	0.8	21