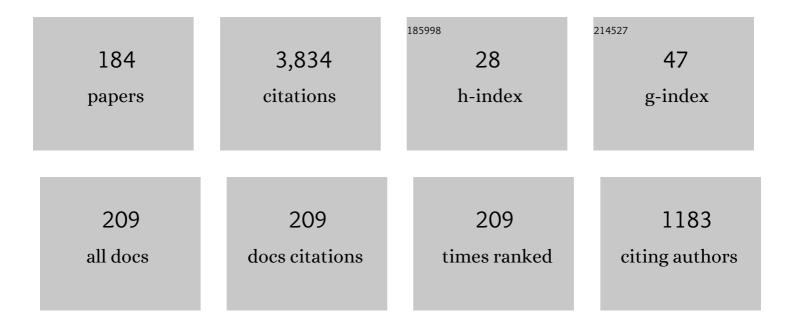
Torsten Schaub

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/5963609/publications.pdf Version: 2024-02-01



TODSTEN SCHALLR

#	Article	IF	CITATIONS
1	Potassco: The Potsdam Answer Set Solving Collection. Al Communications, 2011, 24, 107-124.	0.8	252
2	Conflict-driven answer set solving: From theory to practice. Artificial Intelligence, 2012, 187-188, 52-89.	3.9	208
3	Answer Set Solving in Practice. Synthesis Lectures on Artificial Intelligence and Machine Learning, 2012, 6, 1-238.	0.6	158
4	clasp: A Conflict-Driven Answer Set Solver. , 2007, , 260-265.		151
5	Multi-shot ASP solving with clingo. Theory and Practice of Logic Programming, 2019, 19, 27-82.	1.1	108
6	GrinGo: A New Grounder for Answer Set Programming. , 2007, , 266-271.		100
7	Alternative approaches to default logic. Artificial Intelligence, 1994, 70, 167-237.	3.9	89
8	ASP-Core-2 Input Language Format. Theory and Practice of Logic Programming, 2020, 20, 294-309.	1.1	83
9	A framework for compiling preferences in logic programs. Theory and Practice of Logic Programming, 2003, 3, 129-187.	1.1	82
10	A Classification and Survey of Preference Handling Approaches in Nonmonotonic Reasoning. Computational Intelligence, 2004, 20, 308-334.	2.1	81
11	Advances in gringo Series 3. Lecture Notes in Computer Science, 2011, , 345-351.	1.0	66
12	Engineering an Incremental ASP Solver. Lecture Notes in Computer Science, 2008, , 190-205.	1.0	64
13	AutoFolio: An Automatically Configured Algorithm Selector. Journal of Artificial Intelligence Research, 0, 53, 745-778.	7.0	58
14	Constraint Answer Set Solving. Lecture Notes in Computer Science, 2009, , 235-249.	1.0	56
15	Grounding and Solving in Answer Set Programming. Al Magazine, 2016, 37, 25-32.	1.4	52
16	Solution Enumeration for Projected Boolean Search Problems. Lecture Notes in Computer Science, 2009, , 71-86.	1.0	49
17	The First Answer Set Programming System Competition. , 2007, , 3-17.		48
18	The Conflict-Driven Answer Set Solver clasp: Progress Report. Lecture Notes in Computer Science, 2009, , 509-514.	1.0	47

#	Article	IF	CITATIONS
19	Complex optimization in answer set programming. Theory and Practice of Logic Programming, 2011, 11, 821-839.	1.1	43
20	<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
21	A consistency-based approach for belief change. Artificial Intelligence, 2003, 151, 1-41.	3.9	42
22	Modeling Biological Networks by Action Languages via Answer Set Programming. Constraints, 2008, 13, 21-65.	0.4	42
23	A Portfolio Solver for Answer Set Programming: Preliminary Report. Lecture Notes in Computer Science, 2011, , 352-357.	1.0	42
24	Detecting inconsistencies in large biological networks with answer set programming. Theory and Practice of Logic Programming, 2011, 11, 323-360.	1.1	41
25	ASP modulo CSP: The clingcon system. Theory and Practice of Logic Programming, 2012, 12, 485-503.	1.1	41
26	Boolean network identification from perturbation time series data combining dynamics abstraction and logic programming. BioSystems, 2016, 149, 139-153.	0.9	39
27	Progress in clasp Series 3. Lecture Notes in Computer Science, 2015, , 368-383.	1.0	39
28	Expressing preferences in default logic. Artificial Intelligence, 2000, 123, 41-87.	3.9	38
29	Conflict-Driven Answer Set Enumeration. , 2007, , 136-148.		34
30	Clingo goes linear constraints over reals and integers. Theory and Practice of Logic Programming, 2017, 17, 872-888.	1.1	32
31	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
32	Signed Systems for Paraconsistent Reasoning. Journal of Automated Reasoning, 1998, 20, 191-213.	1.1	29
33	Introduction to Inconsistency Tolerance. Lecture Notes in Computer Science, 2005, , 1-14.	1.0	28
34	Clingcon: The next generation. Theory and Practice of Logic Programming, 2017, 17, 408-461.	1.1	28
35	Generalized Target Assignment and Path Finding Using Answer Set Programming. , 2017, , .		26
36	A Model-Theoretic Approach to Belief Change in Answer Set Programming. ACM Transactions on Computational Logic, 2013, 14, 1-46.	0.7	25

#	Article	IF	CITATIONS
37	\$\${varvec{teaspoon}}\$\$: solving the curriculum-based course timetabling problems with answer set programming. Annals of Operations Research, 2019, 275, 3-37.	2.6	24
38	Metabolic Network Expansion with Answer Set Programming. Lecture Notes in Computer Science, 2009, , 312-326.	1.0	24
39	Answer Set Programming Modulo Acyclicity*. Fundamenta Informaticae, 2016, 147, 63-91.	0.3	22
40	Debugging ASP Programs by Means of ASP. Lecture Notes in Computer Science, 2007, , 31-43.	1.0	22
41	Evaluation Techniques and Systems for Answer Set Programming: a Survey. , 2018, , .		22
42	Tableau Calculi for Answer Set Programming. Lecture Notes in Computer Science, 2006, , 11-25.	1.0	21
43	Detecting Inconsistencies in Large Biological Networks with Answer Set Programming. Lecture Notes in Computer Science, 2008, , 130-144.	1.0	21
44	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
45	Learning Boolean logic models of signaling networks with ASP. Theoretical Computer Science, 2015, 599, 79-101.	0.5	20
46	Shift Design with Answer Set Programming*. Fundamenta Informaticae, 2016, 147, 1-25.	0.3	20
47	On the Input Language of ASP Grounder Gringo. Lecture Notes in Computer Science, 2009, , 502-508.	1.0	20
48	Automatic construction of parallel portfolios via algorithm configuration. Artificial Intelligence, 2017, 244, 272-290.	3.9	19
49	Routing Driverless Transport Vehicles in Car Assembly with Answer Set Programming. Theory and Practice of Logic Programming, 2018, 18, 520-534.	1.1	19
50	A Preference-Based Framework for Updating Logic Programs. Lecture Notes in Computer Science, 2007, , 71-83.	1.0	18
51	Multi-threaded ASP solving with clasp. Theory and Practice of Logic Programming, 2012, 12, 525-545.	1.1	17
52	Temporal Answer Set Programming on Finite Traces. Theory and Practice of Logic Programming, 2018, 18, 406-420.	1.1	17
53	On the Implementation of Weight Constraint Rules in Conflict-Driven ASP Solvers. Lecture Notes in Computer Science, 2009, , 250-264.	1.0	17
54	A semantic framework for preference handling in answer set programming. Theory and Practice of Logic Programming, 2003, 3, 569-607.	1.1	16

#	Article	IF	CITATIONS
55	Verifying Tight Logic Programs with anthem and vampire. Theory and Practice of Logic Programming, 2020, 20, 735-750.	1.1	16
56	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
57	telingoÂ=ÂASPÂ+ÂTime. Lecture Notes in Computer Science, 2019, , 256-269.	1.0	16
58	A Tutorial on Hybrid Answer Set Solving with clingo. Lecture Notes in Computer Science, 2017, , 167-203.	1.0	16
59	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
60	The BioASP Library: ASP Solutions for Systems Biology. , 2010, , .		15
61	Centurio, a General Game Player: Parallel, Java- and ASP-based. KI - Kunstliche Intelligenz, 2011, 25, 17-24.	2.2	15
62	Minimal intervention strategies in logical signaling networks with ASP. Theory and Practice of Logic Programming, 2013, 13, 675-690.	1.1	15
63	Answer set programming as a modeling language for course timetabling. Theory and Practice of Logic Programming, 2013, 13, 783-798.	1.1	15
64	aspeed: Solver scheduling via answer set programming. Theory and Practice of Logic Programming, 2015, 15, 117-142.	1.1	15
65	Train Scheduling with Hybrid ASP. Lecture Notes in Computer Science, 2019, , 3-17.	1.0	15
66	Platypus: A Platform for Distributed Answer Set Solving. Lecture Notes in Computer Science, 2005, , 227-239.	1.0	15
67	Merging Logic Programs under Answer Set Semantics. Lecture Notes in Computer Science, 2009, , 160-174.	1.0	15
68	An incremental answer set programming based system for finite model computation. Al Communications, 2011, 24, 195-212.	0.8	14
69	Symbolic System Synthesis Using Answer Set Programming. Lecture Notes in Computer Science, 2013, , 79-91.	1.0	14
70	Graphs and colorings for answer set programming. Theory and Practice of Logic Programming, 2006, 6, 61-106.	1.1	13
71	Modeling and Language Extensions. Al Magazine, 2016, 37, 33-44.	1.4	13
72	A consistency-based framework for merging knowledge bases. Journal of Applied Logic, 2007, 5, 459-477.	1.1	12

#	Article	IF	CITATIONS
73	Monotonic Answer Set Programming. Journal of Logic and Computation, 2009, 19, 539-564.	0.5	12
74	Matchmaking with Answer Set Programming. Lecture Notes in Computer Science, 2013, , 342-347.	1.0	12
75	Ricochet Robots Reloaded: A Case-Study in Multi-shot ASP Solving. Lecture Notes in Computer Science, 2015, , 17-32.	1.0	12
76	plasp: A Prototype for PDDL-Based Planning in ASP. Lecture Notes in Computer Science, 2011, , 358-363.	1.0	12
77	How to Build Your Own ASP-based System?!. Theory and Practice of Logic Programming, 2023, 23, 299-361.	1.1	12
78	Alternative foundations for Reiter's default logic. Artificial Intelligence, 2000, 124, 31-86.	3.9	11
79	Exact multi-objective design space exploration using ASPmT. , 2018, , .		11
80	The Potsdam Answer Set Solving Collection 5.0. KI - Kunstliche Intelligenz, 2018, 32, 181-182.	2.2	11
81	Train Scheduling with Hybrid Answer Set Programming. Theory and Practice of Logic Programming, 2021, 21, 317-347.	1.1	11
82	Extending the Metabolic Network of EctocarpusÂSiliculosus Using Answer Set Programming. Lecture Notes in Computer Science, 2013, , 245-256.	1.0	11
83	Ricochet Robots: A Transverse ASP Benchmark. Lecture Notes in Computer Science, 2013, , 348-360.	1.0	11
84	Default reasoning by deductive planning. Journal of Automated Reasoning, 1995, 15, 1-40.	1.1	10
85	Automatic network reconstruction using ASP. Theory and Practice of Logic Programming, 2011, 11, 749-766.	1.1	10
86	Tableau Calculi for Logic Programs under Answer Set Semantics. ACM Transactions on Computational Logic, 2013, 14, 1-40.	0.7	10
87	A Symbolic System Synthesis Approach for Hard Real-Time Systems Based on Coordinated SMT-Solving. , 2015, , .		10
88	Enhancing symbolic system synthesis through ASPmT with partial assignment evaluation. , 2017, , .		10
89	Experimenting with robotic intra-logistics domains. Theory and Practice of Logic Programming, 2018, 18, 502-519.	1.1	10
90	Special Issue on Answer Set Programming. KI - Kunstliche Intelligenz, 2018, 32, 101-103.	2.2	10

#	Article	IF	CITATIONS
91	Answer set programming unleashed!. KI - Kunstliche Intelligenz, 2018, 32, 105-108.	2.2	10
92	Verifying Strong Equivalence of Programs in the Input Language of gringo. Lecture Notes in Computer Science, 2019, , 270-283.	1.0	10
93	Integrating ASP into ROS for Reasoning in Robots. Lecture Notes in Computer Science, 2015, , 69-82.	1.0	10
94	Representing Paraconsistent Reasoning via Quantified Propositional Logic. Lecture Notes in Computer Science, 2005, , 84-118.	1.0	10
95	AN APPROACH TO CONTEXT-BASED DEFAULT REASONING. Fundamenta Informaticae, 1995, 23, 175-223.	0.3	9
96	plasp 3: Towards Effective ASP Planning. Theory and Practice of Logic Programming, 2019, 19, 477-504.	1.1	9
97	A Compilation of Brewka and Eiter's Approach to Prioritization. Lecture Notes in Computer Science, 2000, , 376-390.	1.0	9
98	The XRay system: An implementation platform for local query-answering in default logics. Lecture Notes in Computer Science, 1998, , 354-378.	1.0	9
99	The Role of Default Logic in Knowledge Representation. , 2000, , 107-126.		9
100	Linear-Time Temporal Answer Set Programming. Theory and Practice of Logic Programming, 2023, 23, 2-56.	1.1	9
101	Loops: Relevant or Redundant?. Lecture Notes in Computer Science, 2005, , 53-65.	1.0	8
102	On Computing Solutions to Belief Change Scenarios. Lecture Notes in Computer Science, 2001, , 510-521.	1.0	8
103	An Approach to Query-Answering in Reiter's Default Logic and the Underlying Existence of Extensions Problem. Lecture Notes in Computer Science, 1998, , 233-247.	1.0	8
104	Answer Set Programming Modulo Acyclicity. Lecture Notes in Computer Science, 2015, , 143-150.	1.0	8
105	Towards a classification of defaults logics. Journal of Applied Non-Classical Logics, 1997, 7, 397-451.	0.4	7
106	eclingo : A Solver for Epistemic Logic Programs. Theory and Practice of Logic Programming, 2020, 20, 834-847.	1.1	7
107	Towards Metric Temporal Answer Set Programming. Theory and Practice of Logic Programming, 2020, 20, 783-798.	1.1	7
108	Paraconsistent Reasoning via Quantified Boolean Formulas, I: Axiomatising Signed Systems. Lecture Notes in Computer Science, 2002, , 320-331.	1.0	7

#	Article	IF	CITATIONS
109	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
110	Implementing Preferences with asprin. Lecture Notes in Computer Science, 2015, , 158-172.	1.0	7
111	Efficiency Analysis of ASP Encodings for Sequential Pattern Mining Tasks. Studies in Computational Intelligence, 2018, , 41-81.	0.7	7
112	Profiling Answer Set Programming: The Visualization Component of the noMoRe System. Lecture Notes in Computer Science, 2004, , 702-705.	1.0	7
113	Generic Tableaux for Answer Set Programming. , 2007, , 119-133.		7
114	COBA 2.0: A Consistency-Based Belief Change System. Lecture Notes in Computer Science, 2007, , 78-90.	1.0	7
115	An Incremental Answer Set Programming Based System for Finite ModelComputation. Lecture Notes in Computer Science, 2010, , 169-181.	1.0	7
116	POSSIBLE WORLDS SEMANTICS FOR DEFAULT LOGICS. Fundamenta Informaticae, 1994, 21, 39-66.	0.3	6
117	Expressing Default Logic Variants in Default Logic. Journal of Logic and Computation, 2005, 15, 593-621.	0.5	6
118	The System BioC for Reasoning about Biological Models in Action Language C. , 2008, , .		6
119	Designing Experiments to Discriminate Families of Logic Models. Frontiers in Bioengineering and Biotechnology, 2015, 3, 131.	2.0	6
120	Paraconsistent Reasoning via Quantified Boolean Formulas, II: Circumscribing Inconsistent Theories. Lecture Notes in Computer Science, 2003, , 528-539.	1.0	6
121	A model-based approach to consistency-checking. Lecture Notes in Computer Science, 1996, , 315-324.	1.0	6
122	Prolog technology for default reasoning: proof theory and compilation techniques. Artificial Intelligence, 1998, 106, 1-75.	3.9	5
123	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
124	Hybrid metabolic network completion. Theory and Practice of Logic Programming, 2019, 19, 83-108.	1.1	5
125	Planning with Incomplete Information in Quantified Answer Set Programming. Theory and Practice of Logic Programming, 0, , 1-17.	1.1	5
126	The nomore++ System. Lecture Notes in Computer Science, 2005, , 422-426.	1.0	5

#	Article	IF	CITATIONS
127	A simple signed system for paraconsistent reasoning. Lecture Notes in Computer Science, 1996, , 404-416.	1.0	5
128	aspartame: Solving Constraint Satisfaction Problems with Answer Set Programming. Lecture Notes in Computer Science, 2015, , 112-126.	1.0	5
129	Graphs and Colorings for Answer Set Programming: Abridged Report. Lecture Notes in Computer Science, 2003, , 127-140.	1.0	5
130	Gearing Up for Effective ASP Planning. Lecture Notes in Computer Science, 2012, , 296-310.	1.0	5
131	Fostering Social Interaction of Home-Bound Elderly People: The EasyReach System. Lecture Notes in Computer Science, 2013, , 33-42.	1.0	5
132	The Family of Default Logics. , 1998, , 77-133.		5
133	plp: A Generic Compiler for Ordered Logic Programs. Lecture Notes in Computer Science, 2001, , 411-415.	1.0	5
134	Improving Coordinated SMT-Based System Synthesis by Utilizing Domain-Specific Heuristics. Lecture Notes in Computer Science, 2015, , 55-68.	1.0	5
135	Variations of constrained default logic. , 1993, , 310-317.		4
136	Knowledge-based multi-criteria optimization to support indoor positioning. Annals of Mathematics and Artificial Intelligence, 2011, 62, 345-370.	0.9	4
137	Towards Dynamic Answer Set Programming over Finite Traces. Lecture Notes in Computer Science, 2019, , 148-162.	1.0	4
138	Writing Declarative Specifications for Clauses. Lecture Notes in Computer Science, 2016, , 256-271.	1.0	4
139	Experiences Running a Parallel Answer Set Solver on Blue Gene. Lecture Notes in Computer Science, 2009, , 64-72.	1.0	4
140	Suggesting New Interactions Related to Events in a Social Network for Elderly. , 0, , .		4
141	Reasoning credulously and skeptically within a single extension. Journal of Applied Non-Classical Logics, 2002, 12, 259-285.	0.4	3
142	Two Approaches to Merging Knowledge Bases. Lecture Notes in Computer Science, 2004, , 426-438.	1.0	3
143	A General Framework for Expressing Preferences in Causal Reasoning and Planning. Journal of Logic and Computation, 2007, 17, 871-907.	0.5	3
144	Gelfond–Zhang aggregates as propositional formulas. Artificial Intelligence, 2019, 274, 26-43.	3.9	3

#	Article	IF	CITATIONS
145	Modelling Biological Networks by Action Languages Via Answer Set Programming. Lecture Notes in Computer Science, 2006, , 285-299.	1.0	3
146	COBA: A Consistency-Based Belief Revision System. Lecture Notes in Computer Science, 2002, , 509-512.	1.0	3
147	A Uniform Treatment of Aggregates and Constraints in Hybrid ASP. , 2020, , .		3
148	Qualitative Constraint Enforcement in Advanced Policy Specification. Lecture Notes in Computer Science, 2007, , 695-706.	1.0	3
149	Here's the Beef: Answer Set Programming !. Lecture Notes in Computer Science, 2008, , 93-98.	1.0	3
150	ASP Solving for Expanding Universes. Lecture Notes in Computer Science, 2015, , 354-367.	1.0	3
151	Answer Set Planning: A Survey. Theory and Practice of Logic Programming, 2023, 23, 226-298.	1.1	3
152	Reasoning with Sets of Defaults in Default Logic. Computational Intelligence, 2004, 20, 56-88.	2.1	2
153	Towards Verifying Logic Programs in the Input Language of clingo. Lecture Notes in Computer Science, 2020, , 190-209.	1.0	2
154	Gelfond-Zhang Aggregates as Propositional Formulas. Lecture Notes in Computer Science, 2017, , 117-131.	1.0	2
155	Alternative Characterizations for Program Equivalence under Answer-Set Semantics Based on Unfounded Sets. , 2008, , 24-41.		2
156	spock: A Debugging Support Tool for Logic Programs under the Answer-Set Semantics. Lecture Notes in Computer Science, 2009, , 247-252.	1.0	2
157	Accurate Computation of Sensitizable Paths Using Answer Set Programming. Lecture Notes in Computer Science, 2013, , 92-101.	1.0	2
158	An implementation platform for query-answering in default logics: Theoretical underpinnings. Lecture Notes in Computer Science, 1997, , 197-206.	1.0	2
159	The Return of xorro. Lecture Notes in Computer Science, 2019, , 284-297.	1.0	2
160	Introduction to the 26th international conference on logic programming special issue. Theory and Practice of Logic Programming, 2010, 10, 361-364.	1.1	1
161	Utilizing quad-trees for efficient design space exploration with partial assignment evaluation. , 2018, ,		1
162	Work-in-Progress: On Leveraging Approximations for Exact System-level Design Space Exploration. , 2018, , .		1

#	Article	IF	CITATIONS
163	Design Space Exploration with Answer Set Programming. KI - Kunstliche Intelligenz, 2018, 32, 205-206.	2.2	1
164	nlp: A Compiler for Nested Logic Programming. Lecture Notes in Computer Science, 2003, , 361-364.	1.0	1
165	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
166	Putting default logics in perspective. Lecture Notes in Computer Science, 1996, , 241-252.	1.0	1
167	Default Reasoning via Blocking Sets. Lecture Notes in Computer Science, 1999, , 247-261.	1.0	1
168	Avoiding Non-Ground Variables. Lecture Notes in Computer Science, 1999, , 92-103.	1.0	1
169	On bottom-up pre-processing techniques for automated default reasoning. Lecture Notes in Computer Science, 1999, , 268-278.	1.0	1
170	Boolean Network Identification from Multiplex Time Series Data. Lecture Notes in Computer Science, 2015, , 170-181.	1.0	1
171	Reasoning with sets of preferences in default logic. Lecture Notes in Computer Science, 1998, , 134-145.	1.0	0
172	Finding Metabolic Pathways in Decision Forests. , 2005, , 199-206.		0
173	Interview with Vladimir Lifschitz. KI - Kunstliche Intelligenz, 2018, 32, 213-218.	2.2	Ο
174	Advanced Solving Technology for Dynamic and Reactive Applications. KI - Kunstliche Intelligenz, 2018, 32, 199-200.	2.2	0
175	Interview with Gerhard Brewka. KI - Kunstliche Intelligenz, 2018, 32, 219-221.	2.2	0
176	A Connection Calculus for Handling Incomplete Information. Applied Logic Series, 2000, , 47-66.	0.3	0
177	How to Reason Credulously and Skeptically within a Single Extension. Lecture Notes in Computer Science, 2001, , 592-603.	1.0	0
178	On the Relation between Reiter's Default Logic and Its (Major) Variants. Lecture Notes in Computer Science, 2003, , 452-463.	1.0	0
179	Answer Set Programming, the Solving Paradigm for Knowledge Representation and Reasoning. Lecture Notes in Computer Science, 2010, , 2-2.	1.0	0
180	Answer Set Programming: Boolean Constraint Solving for Knowledge Representation and Reasoning. Lecture Notes in Computer Science, 2013, , 3-4.	1.0	0

#	Article	IF	CITATIONS
181	An Implementation of Consistency-Based Multi-agent Belief Change Using ASP. Lecture Notes in Computer Science, 2015, , 480-487.	1.0	Ο
182	Lower Bound Founded Logic of Here-and-There. Lecture Notes in Computer Science, 2019, , 509-525.	1.0	0
183	On the Integration of CP-nets in ASPRIN. , 2019, , .		0
184	Model-Based Knowledge Representation and Reasoning Via Answer Set Programming. , 2008, , 1-2.		0