

Anthony Hunter

List of Publications by Year in descending order

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140
papers

3,896
citations

201575

27
h-index

161767

54
g-index

144
all docs

144
docs citations

144
times ranked

1402
citing authors

#	ARTICLE	IF	CITATIONS
1	Inconsistency handling in multiperspective specifications. IEEE Transactions on Software Engineering, 1994, 20, 569-578.	4.3	345
2	Elements of Argumentation. , 2008, , .		289
3	A logic-based theory of deductive argumentsâ†â†This is an extended version of a paper entitled âTowards a logic-based theory of argumentationâpublished in the Proceedings of the National Conference on Artificial Intelligence (AAAI'2000), Austin, TX, MIT Press, Cambridge, MA, 2000.. Artificial Intelligence, 2001, 128, 203-235.	3.9	284
4	Measuring inconsistency in knowledgebases. Journal of Intelligent Information Systems, 2006, 27, 159-184.	2.8	181
5	Weighted argument systems: Basic definitions, algorithms, and complexity results. Artificial Intelligence, 2011, 175, 457-486.	3.9	179
6	A probabilistic approach to modelling uncertain logical arguments. International Journal of Approximate Reasoning, 2013, 54, 47-81.	1.9	139
7	Managing inconsistent specifications. ACM Transactions on Software Engineering and Methodology, 1998, 7, 335-367.	4.8	138
8	Fusion: General concepts and characteristics. International Journal of Intelligent Systems, 2001, 16, 1107-1134.	3.3	106
9	Introduction to structured argumentation. Argument and Computation, 2014, 5, 1-4.	0.7	94
10	On the measure of conflicts: Shapley Inconsistency Values. Artificial Intelligence, 2010, 174, 1007-1026.	3.9	93
11	Instantiating abstract argumentation with classical logic arguments: Postulates and properties. Artificial Intelligence, 2011, 175, 1479-1497.	3.9	93
12	An inquiry dialogue system. Autonomous Agents and Multi-Agent Systems, 2009, 19, 173-209.	1.3	92
13	Toward Artificial Argumentation. AI Magazine, 2017, 38, 25-36.	1.4	87
14	Performing meta-analysis with incomplete statistical information in clinical trials. BMC Medical Research Methodology, 2008, 8, 56.	1.4	80
15	Approaches to Measuring Inconsistent Information. Lecture Notes in Computer Science, 2005, , 191-236.	1.0	72
16	Argumentative logics: Reasoning with classically inconsistent information. Data and Knowledge Engineering, 1995, 16, 125-145.	2.1	63
17	Elements of Argumentation. Lecture Notes in Computer Science, 2007, , 4-4.	1.0	57
18	Making inconsistency respectable: A logical framework for inconsistency in reasoning, part I â A position paper. Lecture Notes in Computer Science, 1991, , 19-32.	1.0	55

#	ARTICLE	IF	CITATIONS
19	Quasi-classical logic: Non-trivializable classical reasoning from inconsistent information. Lecture Notes in Computer Science, 1995, , 44-51.	1.0	47
20	Reasoning with contradictory information using quasi-classical logic. Journal of Logic and Computation, 2000, 10, 677-703.	0.5	46
21	Constructing argument graphs with deductive arguments: a tutorial. Argument and Computation, 2014, 5, 5-30.	0.7	43
22	Probabilistic qualification of attack in abstract argumentation. International Journal of Approximate Reasoning, 2014, 55, 607-638.	1.9	43
23	A Review of Uncertainty Handling Formalisms. Lecture Notes in Computer Science, 1998, , 8-37.	1.0	41
24	Analysing inconsistent first-order knowledgebases. Artificial Intelligence, 2008, 172, 1064-1093.	3.9	41
25	Aggregating evidence about the positive and negative effects of treatments. Artificial Intelligence in Medicine, 2012, 56, 173-190.	3.8	41
26	Probabilistic Reasoning with Abstract Argumentation Frameworks. Journal of Artificial Intelligence Research, 0, 59, 565-611.	7.0	40
27	Empirical evaluation of abstract argumentation: Supporting the need for bipolar and probabilistic approaches. International Journal of Approximate Reasoning, 2018, 93, 487-543.	1.9	37
28	Fusion rules for merging uncertain information. Information Fusion, 2006, 7, 97-134.	11.7	35
29	Measuring Consistency Gain and Information Loss in Stepwise Inconsistency Resolution. Lecture Notes in Computer Science, 2011, , 362-373.	1.0	33
30	Making inconsistency respectable: Part 2 " Meta-level handling of inconsistency. , 1993, , 129-136.		30
31	Introduction to Inconsistency Tolerance. Lecture Notes in Computer Science, 2005, , 1-14.	1.0	28
32	Measuring Incoherence in Description Logic-Based Ontologies. Lecture Notes in Computer Science, 2007, , 381-394.	1.0	28
33	Logical Comparison of Inconsistent Perspectives using Scoring Functions. Knowledge and Information Systems, 2004, 6, 528-543.	2.1	26
34	A knowledge-based approach to merging information. Knowledge-Based Systems, 2006, 19, 647-674.	4.0	26
35	Argumentation Based on Classical Logic. , 2009, , 133-152.		25
36	How to act on inconsistent news: Ignore, resolve, or reject. Data and Knowledge Engineering, 2006, 57, 221-239.	2.1	24

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37	Towards a framework for computational persuasion with applications in behaviour change1. <i>Argument and Computation</i> , 2018, 9, 15-40.	0.7	24
38	Harnessing Ontologies for Argument-Based Decision-Making in Breast Cancer. , 2007, , .		22
39	Implementing semantic merging operators using binary decision diagrams. <i>International Journal of Approximate Reasoning</i> , 2008, 49, 234-251.	1.9	22
40	Fusion rules for context-dependent aggregation of structured news reports. <i>Journal of Applied Non-Classical Logics</i> , 2004, 14, 329-366.	0.4	21
41	Analysing inconsistent information using distance-based measures. <i>International Journal of Approximate Reasoning</i> , 2017, 89, 3-26.	1.9	21
42	An Argument-Based Approach to Using Multiple Ontologies. <i>Lecture Notes in Computer Science</i> , 2009, , 68-79.	1.0	21
43	Distance-Based Measures of Inconsistency. <i>Lecture Notes in Computer Science</i> , 2013, , 230-241.	1.0	20
44	Merging structured text using temporal knowledge. <i>Data and Knowledge Engineering</i> , 2002, 41, 29-66.	2.1	19
45	Merging uncertain information with semantic heterogeneity in XML. <i>Knowledge and Information Systems</i> , 2006, 9, 230-258.	2.1	19
46	A generative inquiry dialogue system. , 2007, , .		19
47	Paraconsistent Logics. , 1998, , 11-36.		19
48	A Relevance-theoretic Framework for Constructing and Deconstructing Enthymemes. <i>Journal of Logic and Computation</i> , 2012, 22, 55-78.	0.5	18
49	An Argumentation-Based Approach for Decision Making. , 2012, , .		18
50	Comfort or safety? Gathering and using the concerns of a participant for better persuasion. <i>Argument and Computation</i> , 2019, 10, 113-147.	0.7	17
51	Information fusion in logic: A brief overview. <i>Lecture Notes in Computer Science</i> , 1997, , 86-95.	1.0	16
52	Reasoning with inconsistency in structured text. <i>Knowledge Engineering Review</i> , 2000, 15, 317-337.	2.1	16
53	Logical fusion rules for merging structured news reports. <i>Data and Knowledge Engineering</i> , 2002, 42, 23-56.	2.1	15
54	Algorithms for generating arguments and counterarguments in propositional logic. <i>International Journal of Approximate Reasoning</i> , 2011, 52, 672-704.	1.9	15

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55	Hybrid argumentation systems for structured news reports. Knowledge Engineering Review, 2001, 16, 295-329.	2.1	14
56	An argument-based approach to reasoning with clinical knowledge. International Journal of Approximate Reasoning, 2009, 51, 1-22.	1.9	14
57	A survey of formalisms for representing and reasoning with scientific knowledge. Knowledge Engineering Review, 2010, 25, 199-222.	2.1	14
58	Merging potentially inconsistent items of structured text. Data and Knowledge Engineering, 2000, 34, 305-332.	2.1	13
59	A Context-Dependent Algorithm for Merging Uncertain Information in Possibility Theory. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2008, 38, 1385-1397.	3.4	13
60	Localising iceberg inconsistencies. Artificial Intelligence, 2017, 246, 118-151.	3.9	13
61	Merging First-Order Knowledge Using Dilation Operators. , 2008, , 132-150.		13
62	Impact of Argument Type and Concerns in Argumentation with a Chatbot. , 2019, , .		12
63	Addressing Popular Concerns Regarding COVID-19 Vaccination with Natural Language Argumentation Dialogues. Lecture Notes in Computer Science, 2021, , 59-73.	1.0	12
64	Using default logic in information retrieval. Lecture Notes in Computer Science, 1995, , 235-242.	1.0	12
65	Opportunities for Argument-Centric Persuasion in Behaviour Change. Lecture Notes in Computer Science, 2014, , 48-61.	1.0	12
66	Formalization of Weighted Factors Analysis. Knowledge-Based Systems, 2002, 15, 377-390.	4.0	11
67	Working on the argument pipeline: Through flow issues between natural language argument, instantiated arguments, and argumentation frameworks. Argument and Computation, 2016, 7, 69-89.	0.7	10
68	Optimization of dialectical outcomes in dialogical argumentation. International Journal of Approximate Reasoning, 2016, 78, 73-102.	1.9	9
69	A Semantic Tableau Version of First-Order Quasi-Classical Logic. Lecture Notes in Computer Science, 2001, , 544-555.	1.0	9
70	Belief in Attacks in Epistemic Probabilistic Argumentation. Lecture Notes in Computer Science, 2017, , 223-236.	1.0	9
71	Classifying Inconsistency Measures Using Graphs. Journal of Artificial Intelligence Research, 0, 66, 937-987.	7.0	9
72	Computationally Viable Handling of Beliefs in Arguments for Persuasion. , 2016, , .		8

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73	Probabilistic Strategies in Dialogical Argumentation. Lecture Notes in Computer Science, 2014, , 190-202.	1.0	8
74	Reasons and Options for Updating an Opponent Model in Persuasion Dialogues. Lecture Notes in Computer Science, 2015, , 21-39.	1.0	8
75	Ramification analysis using causal mapping. Data and Knowledge Engineering, 2000, 32, 1-27.	2.1	7
76	Man bites dog: looking for interesting inconsistencies in structured news reports. Data and Knowledge Engineering, 2004, 48, 265-295.	2.1	7
77	Algorithms for Effective Argumentation in Classical Propositional Logic: A Connection Graph Approach. , 2008, , 272-290.		7
78	Encoding deductive argumentation in quantified Boolean formulae. Artificial Intelligence, 2009, 173, 1406-1423.	3.9	7
79	Argumentation for Aggregating Clinical Evidence. , 2010, , .		7
80	Modeling and reasoning with qualitative comparative clinical knowledge. International Journal of Intelligent Systems, 2011, 26, 25-46.	3.3	7
81	Privacy-by-Norms Privacy Expectations in Online Interactions. , 2015, , .		7
82	Persuasion Dialogues via Restricted Interfaces Using Probabilistic Argumentation. Lecture Notes in Computer Science, 2016, , 184-198.	1.0	7
83	Updating Probabilistic Epistemic States in Persuasion Dialogues. Lecture Notes in Computer Science, 2017, , 46-56.	1.0	7
84	Measuring the Ignorance and Degree of Satisfaction for Answering Queries in Imprecise Probabilistic Logic Programs. Lecture Notes in Computer Science, 2008, , 386-400.	1.0	7
85	Negation and Contradiction. Applied Logic Series, 1999, , 89-100.	0.3	7
86	A Default Logic Based Framework for Context-Dependent Reasoning with Lexical Knowledge. Journal of Intelligent Information Systems, 2001, 16, 65-87.	2.8	6
87	An updated systematic review of lung chemo-radiotherapy using a new evidence aggregation method. Lung Cancer, 2015, 87, 290-295.	0.9	6
88	Empirical Methods for Modelling Persuadees in Dialogical Argumentation. , 2017, , .		6
89	Epistemic graphs for representing and reasoning with positive and negative influences of arguments. Artificial Intelligence, 2020, 281, 103236.	3.9	6
90	Towards Computational Persuasion via Natural Language Argumentation Dialogues. Lecture Notes in Computer Science, 2019, , 18-33.	1.0	6

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91	Knowledge Base Stratification and Merging Based on Degree of Support. Lecture Notes in Computer Science, 2009, , 383-395.	1.0	6
92	Restricted access logics for inconsistent information. , 1993, , 137-144.		5
93	Using default logic for lexical knowledge. Lecture Notes in Computer Science, 1997, , 322-335.	1.0	5
94	Representing and Reasoning About Arguments Mined from Texts and Dialogues. Lecture Notes in Computer Science, 2015, , 60-71.	1.0	5
95	Aggregation of Clinical Evidence Using Argumentation: A Tutorial Introduction. Lecture Notes in Computer Science, 2015, , 317-337.	1.0	5
96	Strategic Dialogical Argumentation Using Multi-criteria Decision Making with Application to Epistemic and Emotional Aspects of Arguments. Lecture Notes in Computer Science, 2018, , 207-224.	1.0	5
97	Approaches to Constructing a Stratified Merged Knowledge Base. Lecture Notes in Computer Science, 2007, , 54-65.	1.0	5
98	Modelling Uncertainty in Persuasion. Lecture Notes in Computer Science, 2013, , 57-70.	1.0	5
99	Meta-level Argumentation with Argument Schemes. Lecture Notes in Computer Science, 2013, , 92-105.	1.0	5
100	Introduction to Actual and Potential Contradictions. , 1998, , 1-9.		5
101	A conceptualization of preferences in non-monotonic proof theory. , 1992, , 174-188.		4
102	Evaluating violations of expectations to find exceptional information. Data and Knowledge Engineering, 2005, 54, 97-120.	2.1	4
103	Merging news reports that describe events. Data and Knowledge Engineering, 2006, 59, 1-24.	2.1	4
104	Using clinical preferences in argumentation about evidence from clinical trials. , 2010, , .		4
105	A logic-reasoning based system to harness bioprocess experimental data and knowledge for design. Biochemical Engineering Journal, 2013, 74, 127-135.	1.8	4
106	Incomplete Statistical Information Fusion and Its Application to Clinical Trials Data. Lecture Notes in Computer Science, 2007, , 89-103.	1.0	4
107	The Non-archimedean Polynomials and Merging of Stratified Knowledge Bases. Lecture Notes in Computer Science, 2009, , 408-420.	1.0	4
108	Argumentation about Treatment Efficacy. Lecture Notes in Computer Science, 2010, , 169-179.	1.0	4

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109	Analysis of Dialogical Argumentation via Finite State Machines. Lecture Notes in Computer Science, 2013, , 1-14.	1.0	4
110	Default databases: Extending the approach of deductive databases using default logic. Data and Knowledge Engineering, 1998, 26, 135-160.	2.1	3
111	Merging requirements from a set of ranked agents. Knowledge-Based Systems, 2003, 16, 113-126.	4.0	3
112	Logical Representation and Analysis for RC-Arguments. , 2015, , .		3
113	Using defeasible logic for a window on a probabilistic database: Some preliminary notes. Lecture Notes in Computer Science, 1991, , 146-152.	1.0	3
114	An XML Based Framework for Merging Incomplete and Inconsistent Statistical Information from Clinical Trials. Studies in Fuzziness and Soft Computing, 2010, , 259-290.	0.6	3
115	Ensuring VGI Credibility in Urban-Community Data Generation: A Methodological Research Design. Urban Planning, 2016, 1, 88-100.	0.7	3
116	Logical Handling of Inconsistent and Default Information. , 1997, , 325-341.		3
117	Polynomial-Time Updates of Epistemic States in a Fragment of Probabilistic Epistemic Argumentation. Lecture Notes in Computer Science, 2019, , 74-86.	1.0	3
118	Argument strength in probabilistic argumentation based on defeasible rules. International Journal of Approximate Reasoning, 2022, 146, 79-105.	1.9	3
119	Languages, Meta-languages and METATEM, A Discussion Paper. Logic Journal of the IGPL, 1996, 4, 255-272.	1.3	2
120	Analysis of Medical Arguments from Patient Experiences Expressed on the Social Web. Lecture Notes in Computer Science, 2017, , 285-294.	1.0	2
121	Invited Talk: Computational Persuasion with Applications in Behaviour Change. Lecture Notes in Computer Science, 2018, , 336-336.	1.0	2
122	Using Shapley Inconsistency Values for Distributed Information Systems with Uncertainty. Lecture Notes in Computer Science, 2015, , 235-245.	1.0	2
123	Propositional Fusion Rules. Lecture Notes in Computer Science, 2003, , 502-514.	1.0	2
124	Structural Properties for Deductive Argument Systems. Lecture Notes in Computer Science, 2013, , 278-289.	1.0	2
125	Aggregation of Perspectives Using the Constellations Approach to Probabilistic Argumentation. Proceedings of the AAAI Conference on Artificial Intelligence, 2020, 34, 2846-2853.	3.6	2
126	Using the temporal logic RDL for design specifications. Lecture Notes in Computer Science, 1991, , 64-78.	1.0	2

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127	A logical reasoning framework for modelling and merging uncertain semi-structured information. , 2006, , 345-356.		1
128	Imprecise probabilistic query answering using measures of ignorance and degree of satisfaction. Annals of Mathematics and Artificial Intelligence, 2012, 64, 145-183.	0.9	1
129	First-line treatments for people with single or multiple brain metastases. The Cochrane Library, 2018, , .	1.5	1
130	Delegated updates in epistemic graphs for opponent modelling. International Journal of Approximate Reasoning, 2019, 113, 207-244.	1.9	1
131	Execution of defeasible temporal clauses for building preferred models. Lecture Notes in Computer Science, 1991, , 84-98.	1.0	1
132	An Algorithm for Generating Arguments in Classical Predicate Logic. Lecture Notes in Computer Science, 2009, , 119-130.	1.0	1
133	A Bayesian Probabilistic Argumentation Framework for Learning from Online Reviews. , 2020, , .		1
134	Systematic Data and Knowledge Utilization to Speed up Bioprocess Design. Computer Aided Chemical Engineering, 2011, 29, 1351-1355.	0.3	0
135	Supporting Physicians and Patients Through Recommendation: Guidelines and Beyond. Lecture Notes in Computer Science, 2015, , 281-286.	1.0	0
136	Foundations for a logic of arguments. Journal of Applied Non-Classical Logics, 2017, 27, 178-195.	0.4	0
137	Argument Strength in Probabilistic Argumentation Using Confirmation Theory. Lecture Notes in Computer Science, 2021, , 74-88.	1.0	0
138	Using maximum entropy in a defeasible logic with probabilistic semantics. Lecture Notes in Computer Science, 1993, , 43-52.	1.0	0
139	A Model-Based Theorem Prover for Epistemic Graphs for Argumentation. Lecture Notes in Computer Science, 2019, , 50-61.	1.0	0
140	Reasoning with Inconsistent Knowledge using the Epistemic Approach to Probabilistic Argumentation. , 2020, , .		0