Anthony Hunter

List of Publications by Year
in descending order

140 papers	3,896 citations	230014 27 h-index	190340 53 g-index
144 all docs	144 docs citations	144 times ranked	1575 citing authors

#	Article	IF	Citations
1	Argument strength in probabilistic argumentation based on defeasible rules. International Journal of Approximate Reasoning, 2022, 146, 79-105.	1.9	3
2	Argument Strength in Probabilistic Argumentation Using Confirmation Theory. Lecture Notes in Computer Science, 2021, , 74-88.	1.0	0
3	Addressing Popular Concerns Regarding COVID-19 Vaccination with Natural Language Argumentation Dialogues. Lecture Notes in Computer Science, 2021, , 59-73.	1.0	12
4	Epistemic graphs for representing and reasoning with positive and negative influences of arguments. Artificial Intelligence, 2020, 281, 103236.	3.9	6
5	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
6	Reasoning with Inconsistent Knowledge using the Epistemic Approach to Probabilistic Argumentation. , 2020, , .		0
7	A Bayesian Probabilistic Argumentation Framework for Learning from Online Reviews. , 2020, , .		1
8	Delegated updates in epistemic graphs for opponent modelling. International Journal of Approximate Reasoning, 2019, 113, 207-244.	1.9	1
9	Comfort or safety? Gathering and using the concerns of a participant for better persuasion. Argument and Computation, 2019, 10, 113-147.	0.7	17
10	Impact of Argument Type and Concerns in Argumentation with a Chatbot. , 2019, , .		12
11	Towards Computational Persuasion via Natural Language Argumentation Dialogues. Lecture Notes in Computer Science, 2019, , 18-33.	1.0	6
12	Polynomial-Time Updates of Epistemic States in a Fragment of Probabilistic Epistemic Argumentation. Lecture Notes in Computer Science, 2019, , 74-86.	1.0	3
13	A Model-Based Theorem Prover for Epistemic Graphs for Argumentation. Lecture Notes in Computer Science, 2019, , 50-61.	1.0	0
14	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
15	Towards a framework for computational persuasion with applications in behaviour change1. Argument and Computation, 2018, 9, 15-40.	0.7	24
16	First-line treatments for people with single or multiple brain metastases. The Cochrane Library, 2018, , .	1.5	1
17	Invited Talk: Computational Persuasion with Applications in Behaviour Change. Lecture Notes in Computer Science, 2018, , 336-336.	1.0	2
18	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

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19	Analysing inconsistent information using distance-based measures. International Journal of Approximate Reasoning, 2017, 89, 3-26.	1.9	21
20	Localising iceberg inconsistencies. Artificial Intelligence, 2017, 246, 118-151.	3.9	13
21	Analysis of Medical Arguments from Patient Experiences Expressed on the Social Web. Lecture Notes in Computer Science, 2017, , 285-294.	1.0	2
22	Foundations for a logic of arguments. Journal of Applied Non-Classical Logics, 2017, 27, 178-195.	0.4	0
23	Empirical Methods for Modelling Persuadees in Dialogical Argumentation. , 2017, , .		6
24	Toward Artificial Argumentation. AI Magazine, 2017, 38, 25-36.	1.4	87
25	Updating Probabilistic Epistemic States in Persuasion Dialogues. Lecture Notes in Computer Science, 2017, , 46-56.	1.0	7
26	Belief in Attacks in Epistemic Probabilistic Argumentation. Lecture Notes in Computer Science, 2017, , 223-236.	1.0	9
27	Working on the argument pipeline: ThroughÂflow issues between natural language argument, instantiated arguments, and argumentation frameworks. Argument and Computation, 2016, 7, 69-89.	0.7	10
28	Optimization of dialectical outcomes in dialogical argumentation. International Journal of Approximate Reasoning, 2016, 78, 73-102.	1.9	9
29	Computationally Viable Handling of Beliefs in Arguments for Persuasion. , 2016, , .		8
30	Persuasion Dialogues via Restricted Interfaces Using Probabilistic Argumentation. Lecture Notes in Computer Science, 2016, , 184-198.	1.0	7
31	Ensuring VGI Credibility in Urban-Community Data Generation: A Methodological Research Design. Urban Planning, 2016, 1, 88-100.	0.7	3
32	Privacy-by-Norms Privacy Expectations in Online Interactions. , 2015, , .		7
33	Logical Representation and Analysis for RC-Arguments. , 2015, , .		3
34	Supporting Physicians and Patients Through Recommendation: Guidelines and Beyond. Lecture Notes in Computer Science, 2015, , 281-286.	1.0	0
35	An updated systematic review of lung chemo-radiotherapy using a new evidence aggregation method. Lung Cancer, 2015, 87, 290-295.	0.9	6
36	Using Shapley Inconsistency Values for Distributed Information Systems with Uncertainty. Lecture Notes in Computer Science, 2015, , 235-245.	1.0	2

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37	Representing and Reasoning About Arguments Mined from Texts and Dialogues. Lecture Notes in Computer Science, 2015, , 60-71.	1.0	5
38	Aggregation of Clinical Evidence Using Argumentation: A Tutorial Introduction. Lecture Notes in Computer Science, 2015, , 317-337.	1.0	5
39	Reasons and Options for Updating an Opponent Model in Persuasion Dialogues. Lecture Notes in Computer Science, 2015, , 21-39.	1.0	8
40	Constructing argument graphs with deductive arguments: a tutorial. Argument and Computation, 2014, 5, 5-30.	0.7	43
41	Introduction to structured argumentation. Argument and Computation, 2014, 5, 1-4.	0.7	94
42	Probabilistic qualification of attack in abstract argumentation. International Journal of Approximate Reasoning, 2014, 55, 607-638.	1.9	43
43	Probabilistic Strategies in Dialogical Argumentation. Lecture Notes in Computer Science, 2014, , 190-202.	1.0	8
44	Opportunities for Argument-Centric Persuasion in Behaviour Change. Lecture Notes in Computer Science, 2014, , 48-61.	1.0	12
45	A logic-reasoning based system to harness bioprocess experimental data and knowledge for design. Biochemical Engineering Journal, 2013, 74, 127-135.	1.8	4
46	A probabilistic approach to modelling uncertain logical arguments. International Journal of Approximate Reasoning, 2013, 54, 47-81.	1.9	139
47	Distance-Based Measures of Inconsistency. Lecture Notes in Computer Science, 2013, , 230-241.	1.0	20
48	Structural Properties for Deductive Argument Systems. Lecture Notes in Computer Science, 2013, , 278-289.	1.0	2
49	Modelling Uncertainty in Persuasion. Lecture Notes in Computer Science, 2013, , 57-70.	1.0	5
50	Meta-level Argumentation with Argument Schemes. Lecture Notes in Computer Science, 2013, , 92-105.	1.0	5
51	Analysis of Dialogical Argumentation via Finite State Machines. Lecture Notes in Computer Science, 2013, , 1-14.	1.0	4
52	A Relevance-theoretic Framework for Constructing and Deconstructing Enthymemes. Journal of Logic and Computation, 2012, 22, 55-78.	0.5	18
53	An Argumentation-Based Approach for Decision Making. , 2012, , .		18
54	Aggregating evidence about the positive and negative effects of treatments. Artificial Intelligence in Medicine, 2012, 56, 173-190.	3.8	41

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55	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
56	Measuring Consistency Gain and Information Loss in Stepwise Inconsistency Resolution. Lecture Notes in Computer Science, 2011, , 362-373.	1.0	33
57	Modeling and reasoning with qualitative comparative clinical knowledge. International Journal of Intelligent Systems, 2011, 26, 25-46.	3.3	7
58	Algorithms for generating arguments and counterarguments in propositional logic. International Journal of Approximate Reasoning, 2011, 52, 672-704.	1.9	15
59	Weighted argument systems: Basic definitions, algorithms, and complexity results. Artificial Intelligence, 2011, 175, 457-486.	3.9	179
60	Instantiating abstract argumentation with classical logic arguments: Postulates and properties. Artificial Intelligence, 2011, 175, 1479-1497.	3.9	93
61	Systematic Data and Knowledge Utilization to Speed up Bioprocess Design. Computer Aided Chemical Engineering, 2011, 29, 1351-1355.	0.3	0
62	On the measure of conflicts: Shapley Inconsistency Values. Artificial Intelligence, 2010, 174, 1007-1026.	3.9	93
63	A survey of formalisms for representing and reasoning with scientific knowledge. Knowledge Engineering Review, 2010, 25, 199-222.	2.1	14
64	Argumentation for Aggregating Clinical Evidence. , 2010, , .		7
65	Using clinical preferences in argumentation about evidence from clinical trials. , 2010, , .		4
66	Argumentation about Treatment Efficacy. Lecture Notes in Computer Science, 2010, , 169-179.	1.0	4
67	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
68	An inquiry dialogue system. Autonomous Agents and Multi-Agent Systems, 2009, 19, 173-209.	1.3	92
69	An argument-based approach to reasoning with clinical knowledge. International Journal of Approximate Reasoning, 2009, 51, 1-22.	1.9	14
70	Encoding deductive argumentation in quantified Boolean formulae. Artificial Intelligence, 2009, 173, 1406-1423.	3.9	7
71	Argumentation Based on Classical Logic. , 2009, , 133-152.		25
72	An Algorithm for Generating Arguments in Classical Predicate Logic. Lecture Notes in Computer Science, 2009, , 119-130.	1.0	1

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73	Knowledge Base Stratification and Merging Based on Degree of Support. Lecture Notes in Computer Science, 2009, , 383-395.	1.0	6
74	The Non-archimedean Polynomials and Merging of Stratified Knowledge Bases. Lecture Notes in Computer Science, 2009, , 408-420.	1.0	4
75	An Argument-Based Approach to Using Multiple Ontologies. Lecture Notes in Computer Science, 2009, , 68-79.	1.0	21
76	Analysing inconsistent first-order knowledgebases. Artificial Intelligence, 2008, 172, 1064-1093.	3.9	41
77	Implementing semantic merging operators using binary decision diagrams. International Journal of Approximate Reasoning, 2008, 49, 234-251.	1.9	22
78	Algorithms for Effective Argumentation in Classical Propositional Logic: A Connection Graph Approach. , 2008, , 272-290.		7
79	Performing meta-analysis with incomplete statistical information in clinical trials. BMC Medical Research Methodology, 2008, 8, 56.	1.4	80
80	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
81	Merging First-Order Knowledge Using Dilation Operators. , 2008, , 132-150.		13
82	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
83	Elements of Argumentation. , 2008, , .		289
84	Harnessing Ontologies for Argument-Based Decision-Making in Breast Cancer. , 2007, , .		22
85	A generative inquiry dialogue system. , 2007, , .		19
86	Approaches to Constructing a Stratified Merged Knowledge Base. Lecture Notes in Computer Science, 2007, , 54-65.	1.0	5
87	Incomplete Statistical Information Fusion and Its Application to Clinical Trials Data. Lecture Notes in Computer Science, 2007, , 89-103.	1.0	4
88	Measuring Incoherence in Description Logic-Based Ontologies. Lecture Notes in Computer Science, 2007, , 381-394.	1.0	28
89	Elements of Argumentation. Lecture Notes in Computer Science, 2007, , 4-4.	1.0	57
90	A logical reasoning framework for modelling and merging uncertain semi-structured information. , 2006, , 345-356.		1

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91	How to act on inconsistent news: Ignore, resolve, or reject. Data and Knowledge Engineering, 2006, 57, 221-239.	2.1	24
92	Merging news reports that describe events. Data and Knowledge Engineering, 2006, 59, 1-24.	2.1	4
93	Fusion rules for merging uncertain information. Information Fusion, 2006, 7, 97-134.	11.7	35
94	Measuring inconsistency in knowledgebases. Journal of Intelligent Information Systems, 2006, 27, 159-184.	2.8	181
95	Merging uncertain information with semantic heterogeneity in XML. Knowledge and Information Systems, 2006, 9, 230-258.	2.1	19
96	A knowledge-based approach to merging information. Knowledge-Based Systems, 2006, 19, 647-674.	4.0	26
97	Evaluating violations of expectations to find exceptional information. Data and Knowledge Engineering, 2005, 54, 97-120.	2.1	4
98	Introduction to Inconsistency Tolerance. Lecture Notes in Computer Science, 2005, , 1-14.	1.0	28
99	Approaches to Measuring Inconsistent Information. Lecture Notes in Computer Science, 2005, , 191-236.	1.0	72
100	Man bites dog: looking for interesting inconsistencies in structured news reports. Data and Knowledge Engineering, 2004, 48, 265-295.	2.1	7
101	Logical Comparison of Inconsistent Perspectives using Scoring Functions. Knowledge and Information Systems, 2004, 6, 528-543.	2.1	26
102	Fusion rules for context-dependent aggregation of structured news reports. Journal of Applied Non-Classical Logics, 2004, 14, 329-366.	0.4	21
103	Merging requirements from a set of ranked agents. Knowledge-Based Systems, 2003, 16, 113-126.	4.0	3
104	Propositional Fusion Rules. Lecture Notes in Computer Science, 2003, , 502-514.	1.0	2
105	Formalization of Weighted Factors Analysis. Knowledge-Based Systems, 2002, 15, 377-390.	4.0	11
106	Logical fusion rules for merging structured news reports. Data and Knowledge Engineering, 2002, 42, 23-56.	2.1	15
107	Merging structured text using temporal knowledge. Data and Knowledge Engineering, 2002, 41, 29-66.	2.1	19
108	Hybrid argumentation systems for structured news reports. Knowledge Engineering Review, 2001, 16, 295-329.	2.1	14

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109	Fusion: General concepts and characteristics. International Journal of Intelligent Systems, 2001, 16, 1107-1134.	3.3	106
110	A logic-based theory of deductive arguments˜†â˜†This is an extended version of a paper entitled â€œTowards 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
111	A Default Logic Based Framework for Context-Dependent Reasoning with Lexical Knowledge. Journal of Intelligent Information Systems, 2001, 16, 65-87.	2.8	6
112	A Semantic Tableau Version of First-Order Quasi-Classical Logic. Lecture Notes in Computer Science, 2001, , 544-555.	1.0	9
113	Reasoning with inconsistency in structured text. Knowledge Engineering Review, 2000, 15, 317-337.	2.1	16
114	Ramification analysis using causal mapping. Data and Knowledge Engineering, 2000, 32, 1-27.	2.1	7
115	Merging potentially inconsistent items of structured text. Data and Knowledge Engineering, 2000, 34, 305-332.	2.1	13
116	Reasoning with contradictory information using quasi-classical logic. Journal of Logic and Computation, 2000, 10, 677-703.	0.5	46
117	Negation and Contradiction. Applied Logic Series, 1999, , 89-100.	0.3	7
118	Default databases: Extending the approach of deductive databases using default logic. Data and Knowledge Engineering, 1998, 26, 135-160.	2.1	3
119	Managing inconsistent specifications. ACM Transactions on Software Engineering and Methodology, 1998, 7, 335-367.	4.8	138
120	A Review of Uncertainty Handling Formalisms. Lecture Notes in Computer Science, 1998, , 8-37.	1.0	41
121	Introduction to Actual and Potential Contradictions. , 1998, , 1-9.		5
122	Paraconsistent Logics. , 1998, , 11-36.		19
123	Information fusion in logic: A brief overview. Lecture Notes in Computer Science, 1997, , 86-95.	1.0	16
124	Using default logic for lexical knowledge. Lecture Notes in Computer Science, 1997, , 322-335.	1.0	5
125	Logical Handling of Inconsistent and Default Information. , 1997, , 325-341.		3
126	Languages, Meta-languages and METATEM, A Discussion Paper. Logic Journal of the IGPL, 1996, 4, 255-272.	1.3	2

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127	Argumentative logics: Reasoning with classically inconsistent information. Data and Knowledge Engineering, 1995, 16, 125-145.	2.1	63
128	Using default logic in information retrieval. Lecture Notes in Computer Science, 1995, , 235-242.	1.0	12
129	Quasi-classical logic: Non-trivializable classical reasoning from inconsistent information. Lecture Notes in Computer Science, 1995, , 44-51.	1.0	47
130	Inconsistency handling in multiperspective specifications. IEEE Transactions on Software Engineering, 1994, 20, 569-578.	4.3	345
131	Restricted access logics for inconsistent information. , 1993, , 137-144.		5
132	Making inconsistency respectable: Part 2 â€" Meta-level handling of inconsistency. , 1993, , 129-136.		30
133	Using maximum entropy in a defeasible logic with probabilistic semantics. Lecture Notes in Computer Science, 1993, , 43-52.	1.0	0
134	A conceptualization of preferences in non-monotonic proof theory. , 1992, , 174-188.		4
135	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
136	Execution of defeasible temporal clauses for building preferred models. Lecture Notes in Computer Science, 1991, , 84-98.	1.0	1
137	Using defeasible logic for a window on a probabilistic database: Some preliminary notes. Lecture Notes in Computer Science, 1991, , 146-152.	1.0	3
138	Using the temporal logic RDL for design specifications. Lecture Notes in Computer Science, 1991, , 64-78.	1.0	2
139	Classifying Inconsistency Measures Using Graphs. Journal of Artificial Intelligence Research, 0, 66, 937-987.	7.0	9
140	Probabilistic Reasoning with Abstract Argumentation Frameworks. Journal of Artificial Intelligence Research, 0, 59, 565-611.	7.0	40