

Guido Sciavicco

List of Publications by Year in descending order

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84
papers

906
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686830

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86
times ranked

470
citing authors

#	ARTICLE	IF	CITATIONS
1	Three-objective constrained evolutionary instance selection for classification: Wrapper and filter approaches. <i>Engineering Applications of Artificial Intelligence</i> , 2022, 107, 104531.	4.3	4
2	Fuzzy Halpern and Shoham's interval temporal logics. <i>Fuzzy Sets and Systems</i> , 2022, , .	1.6	0
3	Feature and Language Selection in Temporal Symbolic Regression for Interpretable Air Quality Modelling. <i>Algorithms</i> , 2021, 14, 76.	1.2	5
4	An intelligent clustering method for devising the geochemical fingerprint of underground aquifers. <i>Heliyon</i> , 2021, 7, e07017.	1.4	1
5	Mining CSTNUDs Significant for a Set of Traces is Polynomial. <i>Information and Computation</i> , 2021, 281, 104773.	0.5	0
6	A time series forecasting based multi-criteria methodology for air quality prediction. <i>Applied Soft Computing Journal</i> , 2021, 113, 107850.	4.1	37
7	Multi-Objective Evolutionary Simultaneous Feature Selection and Outlier Detection for Regression. <i>IEEE Access</i> , 2021, , 1-1.	2.6	3
8	Branching interval algebra: An almost complete picture. <i>Information and Computation</i> , 2021, , 104809.	0.5	1
9	Lag Variables in Air Pollution Modeling Based on Traffic Flow and Meteorological Factors. <i>Proceedings (mdpi)</i> , 2020, 51, .	0.2	0
10	Simple Versus Composed Temporal Lag Regression with Feature Selection, with an Application to Air Quality Modeling. , 2020, , .		1
11	Lag Variables in Nitrogen Oxide Concentration Modelling: A Case Study in Wrocław, Poland. <i>Atmosphere</i> , 2020, 11, 1293.	1.0	3
12	Temporal Aspects in Air Quality Modeling – A Case Study in Wrocław. <i>Air, Soil and Water Research</i> , 2020, 13, 117862212097582.	1.2	1
13	Decidability and complexity of the fragments of the modal logic of Allen's relations over the rationals. <i>Information and Computation</i> , 2019, 266, 97-125.	0.5	5
14	Predicting the Risk of Academic Dropout With Temporal Multi-Objective Optimization. <i>IEEE Transactions on Learning Technologies</i> , 2019, 12, 225-236.	2.2	17
15	Interval Temporal Logic Decision Tree Learning. <i>Lecture Notes in Computer Science</i> , 2019, , 778-793.	1.0	7
16	Towards a General Method for Logical Rule Extraction from Time Series. <i>Lecture Notes in Computer Science</i> , 2019, , 3-12.	1.0	2
17	J48SS: A Novel Decision Tree Approach for the Handling of Sequential and Time Series Data. <i>Computers</i> , 2019, 8, 21.	2.1	13
18	Multiobjective evolutionary feature selection and fuzzy classification of contact centre data. <i>Expert Systems</i> , 2019, 36, e12375.	2.9	5

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19	Multiobjective Evolutionary Feature Selection for Fuzzy Classification. IEEE Transactions on Fuzzy Systems, 2019, 27, 1085-1099.	6.5	58
20	On coarser interval temporal logics. Artificial Intelligence, 2019, 266, 1-26.	3.9	6
21	Assessing the Role of Temporal Information in Modelling Short-Term Air Pollution Effects Based on Traffic and Meteorological Conditions: A Case Study in Wrocław. Communications in Computer and Information Science, 2019, , 463-474.	0.4	4
22	Allen-like theory of time for tree-like structures. Information and Computation, 2018, 259, 375-389.	0.5	0
23	A Novel Decision Tree Approach for the Handling of Time Series. Lecture Notes in Computer Science, 2018, , 351-368.	1.0	2
24	Multi-Objective Evolutionary Rule-Based Classification with Categorical Data. Entropy, 2018, 20, 684.	1.1	7
25	Towards semi-automatic human performance evaluation: The case study of a contact center. Intelligent Data Analysis, 2018, 22, 867-880.	0.4	2
26	J48S: A Sequence Classification Approach to Text Analysis Based on Decision Trees. Communications in Computer and Information Science, 2018, , 240-256.	0.4	4
27	Multi-objective evolutionary feature selection for online sales forecasting. Neurocomputing, 2017, 234, 75-92.	3.5	94
28	Horn Fragments of the Halpern-Shoham Interval Temporal Logic. ACM Transactions on Computational Logic, 2017, 18, 1-39.	0.7	12
29	Unsupervised feature selection for interpretable classification in behavioral assessment of children. Expert Systems, 2017, 34, e12173.	2.9	10
30	Decision Tree Pruning via Multi-Objective Evolutionary Computation. International Journal of Machine Learning and Computing, 2017, 7, 167-175.	0.8	6
31	On the Complexity of Fragments of Horn Modal Logics. , 2016, , .		3
32	A complete classification of the expressiveness of interval logics of Allen's relations: the general and the dense cases. Acta Informatica, 2016, 53, 207-246.	0.5	9
33	Undecidability of Chop. , 2015, , .		0
34	Attribute Selection Via Multi-Objective Evolutionary Computation Applied to Multi-Skill Contact Center Data Classification. , 2015, , .		14
35	Generalizing Allen's Theory of Time to Tree-Like Structures. , 2015, , .		0
36	On the Complexity of Fragments of the Modal Logic of Allen's Relations over Dense Structures. Lecture Notes in Computer Science, 2015, , 511-523.	1.0	5

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37	On Coarser Interval Temporal Logics and their Satisfiability Problem. Lecture Notes in Computer Science, 2015, , 105-115.	1.0	1
38	Interval temporal logics over strongly discrete linear orders: Expressiveness and complexity. Theoretical Computer Science, 2014, 560, 269-291.	0.5	21
39	The dark side of interval temporal logic: marking the undecidability border. Annals of Mathematics and Artificial Intelligence, 2014, 71, 41-83.	0.9	27
40	The light side of interval temporal logic: the Bernays-SchÅ¶nfinkel fragment of CDT. Annals of Mathematics and Artificial Intelligence, 2014, 71, 11-39.	0.9	14
41	On the Expressiveness of the Interval Logic of Allenâ€™s Relations Over Finite and Discrete Linear Orders. Lecture Notes in Computer Science, 2014, , 267-281.	1.0	3
42	Sub-propositional Fragments of the Interval Temporal Logic of Allenâ€™s Relations. Lecture Notes in Computer Science, 2014, , 122-136.	1.0	9
43	Metric propositional neighborhood logics on natural numbers. Software and Systems Modeling, 2013, 12, 245-264.	2.2	14
44	Optimal decision procedures for MPNL over finite structures, the natural numbers, and the integers. Theoretical Computer Science, 2013, 493, 98-115.	0.5	7
45	Spatial reasoning with rectangular cardinal relations. Annals of Mathematics and Artificial Intelligence, 2013, 67, 31-70.	0.9	17
46	A Complete Classification of the Expressiveness of Interval Logics of Allen's Relations over Dense Linear Orders. , 2013, , .		4
47	Finite satisfiability of propositional interval logic formulas with multi-objective evolutionary algorithms. , 2013, , .		1
48	A Tableau System for Right Propositional Neighborhood Logic over Finite Linear Orders: An Implementation. Lecture Notes in Computer Science, 2013, , 74-80.	1.0	2
49	Efficient Spatial Reasoning with Rectangular Cardinal Relations and Metric Constraints. Communications in Computer and Information Science, 2013, , 234-249.	0.4	0
50	ON BEGINS, MEETS AND BEFORE. International Journal of Foundations of Computer Science, 2012, 23, 559-583.	0.8	10
51	An Integrated First-Order Theory of Points and Intervals: Expressive Power in the Class of All Linear Orders. , 2012, , .		2
52	Reasoning with Time Intervals: A Logical and Computational Perspective. , 2012, 2012, 1-19.		1
53	The Light Side of Interval Temporal Logic: The Bernays-Schönfinkel's Fragment of CDT. , 2011, , .		0
54	The Dark Side of Interval Temporal Logic: Sharpening the Undecidability Border. , 2011, , .		10

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55	Two-sorted Point-Interval Temporal Logics. <i>Electronic Notes in Theoretical Computer Science</i> , 2011, 278, 31-45.	0.9	8
56	Hybrid Metric Propositional Neighborhood Logics with Interval Length Binders. <i>Electronic Notes in Theoretical Computer Science</i> , 2011, 273, 3-19.	0.9	1
57	What's Decidable about Halpern and Shoham's Interval Logic? The Maximal Fragment ABBL. , 2011, , .		16
58	Optimal Tableau Systems for Propositional Neighborhood Logic over All, Dense, and Discrete Linear Orders. <i>Lecture Notes in Computer Science</i> , 2011, , 73-87.	1.0	9
59	On the Expressive Power of First Order-Logic Extended with Allen's Relations in the Strict Case. <i>Lecture Notes in Computer Science</i> , 2011, , 173-182.	1.0	4
60	Undecidability of the Logic of Overlap Relation over Discrete Linear Orderings. <i>Electronic Notes in Theoretical Computer Science</i> , 2010, 262, 65-81.	0.9	5
61	A Decidable Spatial Generalization of Metric Interval Temporal Logic. , 2010, , .		13
62	Right Propositional Neighborhood Logic over Natural Numbers with Integer Constraints for Interval Lengths. , 2009, , .		5
63	Propositional interval neighborhood logics: Expressiveness, decidability, and undecidable extensions. <i>Annals of Pure and Applied Logic</i> , 2009, 161, 289-304.	0.3	63
64	Undecidability of Interval Temporal Logics with the Overlap Modality. , 2009, , .		8
65	Quality Checking of Medical Guidelines Using Interval Temporal Logics: A Case-Study. <i>Lecture Notes in Computer Science</i> , 2009, , 158-167.	1.0	3
66	A Tableau-Based System for Spatial Reasoning about Directional Relations. <i>Lecture Notes in Computer Science</i> , 2009, , 123-137.	1.0	2
67	Non-finite Axiomatizability and Undecidability of Interval Temporal Logics with C, D, and T. <i>Lecture Notes in Computer Science</i> , 2008, , 308-322.	1.0	11
68	Optimal Tableaux for Right Propositional Neighborhood Logic over Linear Orders. <i>Lecture Notes in Computer Science</i> , 2008, , 62-75.	1.0	10
69	Decidable and Undecidable Fragments of Halpern and Shoham's Interval Temporal Logic: Towards a Complete Classification. <i>Lecture Notes in Computer Science</i> , 2008, , 590-604.	1.0	32
70	Reasoning with 'And Then' and 'While'. , 2007, , .		0
71	An Optimal Decision Procedure for Right Propositional Neighborhood Logic. <i>Journal of Automated Reasoning</i> , 2007, 38, 173-199.	1.1	30
72	A new modal logic for reasoning about space: spatial propositional neighborhood logic. <i>Annals of Mathematics and Artificial Intelligence</i> , 2007, 51, 1-25.	0.9	12

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73	On Decidability and Expressiveness of Propositional Interval Neighborhood Logics. Lecture Notes in Computer Science, 2007, , 84-99.	1.0	15
74	Definability and decidability of binary predicates for time granularity. Journal of Applied Logic, 2006, 4, 168-191.	1.1	5
75	A general tableau method for propositional interval temporal logics: Theory and implementation. Journal of Applied Logic, 2006, 4, 305-330.	1.1	26
76	A Road Map of Interval Temporal Logics and Duration Calculi. Journal of Applied Non-Classical Logics, 2004, 14, 9-54.	0.4	110
77	A General Tableau Method for Propositional Interval Temporal Logics. Lecture Notes in Computer Science, 2003, , 102-116.	1.0	7
78	Decidability of Interval Temporal Logics over Split-Frames via Granularity. Lecture Notes in Computer Science, 2002, , 259-270.	1.0	15
79	Decision Tree Learning with Spatial Modal Logics. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 346, 273-290.	0.8	1
80	Interval Temporal Logics over Strongly Discrete Linear Orders: the Complete Picture. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 96, 155-168.	0.8	8
81	Begin, After, and Later: a Maximal Decidable Interval Temporal Logic. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 25, 72-88.	0.8	0
82	An Optimal Decision Procedure for MPNL over the Integers. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 54, 192-206.	0.8	0
83	On the Expressive Power of Sub-Propositional Fragments of Modal Logic. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 226, 91-104.	0.8	1
84	Ultimately-periodic Interval Model Checking for Temporal Dataset Evaluation. , 0, , .		0