Mark Reynolds

List of Publications by Year
in descending order

105 papers	1,289 citations	393982 19 h-index	525886 27 g-index
108 all docs	108 docs citations	108 times ranked	937 citing authors

#	Article	IF	Citations
1	SS-LSTM: A Hierarchical LSTM Model for Pedestrian Trajectory Prediction. , 2018, , .		239
2	Multiobjective optimization of ethylene cracking furnace system using self-adaptive multiobjective teaching-learning-based optimization. Energy, 2018, 148, 469-481.	4.5	49
3	Undecidability of compass logic. Journal of Logic and Computation, 1999, 9, 897-914.	0.5	48
4	Quantum algorithm for visual tracking. Physical Review A, 2019, 99, .	1.0	43
5	On the Products of Linear Modal Logics. Journal of Logic and Computation, 2001, 11, 909-931.	0.5	42
6	When Geo-Text Meets Security: Privacy-Preserving Boolean Spatial Keyword Queries. , 2019, , .		40
7	The complexity of temporal logic over the reals. Annals of Pure and Applied Logic, 2010, 161, 1063-1096.	0.3	38
8	PoPPL: Pedestrian Trajectory Prediction by LSTM With Automatic Route Class Clustering. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 77-90.	7.2	38
9	The complexity of the temporal logic with â€œuntilâ€•over general linear time. Journal of Computer and System Sciences, 2003, 66, 393-426.	0.9	35
10	A Vision-Based Pipeline for Vehicle Counting, Speed Estimation, and Classification. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 7547-7560.	4.7	35
11	Bi-Prediction: Pedestrian Trajectory Prediction Based on Bidirectional LSTM Classification. , 2017, , .		34
12	A Decidable Temporal Logic of Parallelism. Notre Dame Journal of Formal Logic, 1997, 38, .	0.2	34
13	A Quest for a One-Size-Fits-All Neural Network: Early Prediction of Students at Risk in Online Courses. IEEE Transactions on Learning Technologies, 2019, 12, 171-183.	2.2	33
14	An axiomatization for until and since over the reals without the IRR rule. Studia Logica, 1992, 51, 165-193.	0.4	28
15	An axiomatization of PCTL*. Information and Computation, 2005, 201, 72-119.	0.5	28
16	A supervised learning framework: using assessment to identify students at risk of dropping out of a MOOC. Journal of Computing in Higher Education, 2020, 32, 9-26.	3.9	27
17	A Location-Velocity-Temporal Attention LSTM Model for Pedestrian Trajectory Prediction. IEEE Access, 2020, 8, 44576-44589.	2.6	27
18	Cyclic scheduling for an ethylene cracking furnace system using diversity learning teaching-learning-based optimization. Computers and Chemical Engineering, 2017, 99, 314-324.	2.0	26

#	ARTICLE	IF	CITATIONS
19	Location prediction in large-scale social networks: an in-depth benchmarking study. VLDB Journal, 2019, 28, 623-648.	2.7	26
20	Axioms for Branching Time. Journal of Logic and Computation, 2002, 12, 679-697.	0.5	24
21	The Mosaic Method for Temporal Logics. Lecture Notes in Computer Science, 2000, , 324-340.	1.0	22
22	Deep learning methods for enhancing cone‑beam CT image quality toward adaptive radiation therapy: A systematic review. Medical Physics, 2022, 49, 6019-6054.	1.6	22
23	Spatial Optimization for the Planning of Sparse Power Distribution Networks. IEEE Transactions on Power Systems, 2018, 33, 6686-6695.	4.6	21
24	Location-Velocity Attention for Pedestrian Trajectory Prediction. , 2019, , .		20
25	11 Temporal logic. Studies in Logic and Practical Reasoning, 2007, , 655-720.	1.4	16
26	A Temporal Logic of Robustness. Lecture Notes in Computer Science, 2007, , 193-205.	1.0	15
27	A Tableau for CTL*. Lecture Notes in Computer Science, 2009, , 403-418.	1.0	15
28	Top-k Socio-Spatial Co-engaged Location Selection for Social Users. IEEE Transactions on Knowledge and Data Engineering, 2022, , 1-1.	4.0	15
29	Axiomatisation and decidability ofF andP in cyclical time. Journal of Philosophical Logic, 1994, 23, 197-224.	0.6	13
30	Axiomatising first-order temporal logic: Until and since over linear time. Studia Logica, 1996, 57, 279-302.	0.4	12
31	Continuous Temporal Models. Lecture Notes in Computer Science, 2001, , 414-425.	1.0	12
32	A tableau-based decision procedure for CTL*. Formal Aspects of Computing, 2011, 23, 739-779.	1.4	10
33	A supervised learning framework for learning management systems. , 2018, , .		10
34	Toward Occlusion Handling in Visual Tracking via Probabilistic Finite State Machines. IEEE Transactions on Cybernetics, 2020, 50, 1726-1738.	6.2	10
35	Theorem-Proving for Discrete Temporal Logic. Foundations of Artificial Intelligence, 2005, 1, 279-313.	0.9	9
36	A New Rule for LTL Tableaux. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 226, 287-301.	0.8	9

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37	Dense Time Reasoning via Mosaics. , 2009, , .		8
38	Accelerating worst case execution time analysis of timed automata models with cyclic behaviour. Formal Aspects of Computing, 2015, 27, 917-949.	1.4	8
39	Urban Area Vehicle Re-Identification With Self-Attention Stair Feature Fusion and Temporal Bayesian Re-Ranking. , 2019, , .		8
40	A Space and Time Requirements Logic for Sensor Networks. , 2006, , .		7
41	A Tableau for Until and Since over Linear Time. , 2011, , .		7
42	Metric temporal reasoning with less than two clocks. Journal of Applied Non-Classical Logics, 2010, 20, 437-455.	0.4	6
43	Finding minimum and maximum termination time of timed automata models with cyclic behaviour. Theoretical Computer Science, 2017, 665, 87-104.	0.5	6
44	An Adaptive-Phasor Approach to PMU Measurement Rectification for LFOD Enhancement. IEEE Transactions on Power Systems, 2019, 34, 3941-3950.	4.6	5
45	Evidence-driven dubious decision making in online shopping. World Wide Web, 2019, 22, 2883-2899.	2.7	4
46	Pedestrian Trajectory Prediction Using a Social Pyramid. Lecture Notes in Computer Science, 2019, , 439-453.	1.0	4
47	Towards a CTL* Tableau. Lecture Notes in Computer Science, 2005, , 384-395.	1.0	4
48	Indiscrete Models: Model Building and Model Checking over Linear Time. Lecture Notes in Computer Science, 2013, , 50-68.	1.0	4
49	Model Checking General Linear Temporal Logic. Lecture Notes in Computer Science, 2013, , 119-133.	1.0	4
50	Temporal Semantics for Gamma. , 1996, , 141-170.		3
51	Strategy specification for teamwork in robot soccer. , 2006, , .		3
52	On the Expressivity of RoCTL*. , 2009, , .		3
53	A New Metric Temporal Logic for Hybrid Systems. , 2013, , .		3
54	A case study on optimizing an electrical distribution network using a genetic algorithm. , 2015, , .		3

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55	THE TEMPORAL LOGIC OF TWO DIMENSIONAL MINKOWSKI SPACETIME IS DECIDABLE. Journal of Symbolic Logic, 2018, 83, 829-867.	0.4	3
56	Efficient Decentralized LTL Monitoring Framework Using Tableau Technique. Transactions on Embedded Computing Systems, 2019, 18, 1-21.	2.1	3
57	A Review of Methods to Compute Minkowski Operations for Geometric Overlap Detection. IEEE Transactions on Visualization and Computer Graphics, 2021, 27, 3377-3396.	2.9	3
58	Finding Best and Worst Case Execution Times of Systems Using Difference-Bound Matrices. Lecture Notes in Computer Science, 2014, , 38-52.	1.0	3
59	Considering Patterns in Class Interactions Prediction. Communications in Computer and Information Science, 2010, , 11-22.	0.4	3
60	A Faster Tableau for CTL*. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 119, 50-63.	0.8	3
61	A Modal Aleatoric Calculus for Probabilistic Reasoning. Lecture Notes in Computer Science, 2019, , 52-63.	1.0	3
62	Finding an Optimised Infrastructure for Electricity Distribution Networks in Rural Areas - A Comparison of Different Approaches. Swarm and Evolutionary Computation, 2021, 68, 101018.	4.5	3
63	Complexity of Model Checking over General Linear Time. , 2013, , .		2
64	Expressiveness and succinctness of a logic of robustness. Journal of Applied Non-Classical Logics, 2015, 25, 193-228.	0.4	2
65	Synthesis for continuous time. Theoretical Computer Science, 2015, 594, 201-222.	0.5	2
66	Metric temporal logic revisited. Acta Informatica, 2016, 53, 301-324.	0.5	2
67	A complete axiomatization of a temporal logic with obligation and robustness. Journal of Logic and Computation, 2016, 26, 1439-1467.	0.5	2
68	Rewrite rules for CTL*. Journal of Applied Logic, 2017, 21, 24-56.	1.1	2
69	Variable length encoded genetic algorithm for optimal electrical distribution network routing. , 2017, , .		2
70	Sublogics of a branching time logic of robustness. Information and Computation, 2019, 266, 126-160.	0.5	2
71	Pedestrian Tracking and Stereo Matching of Tracklets for Autonomous Vehicles. , 2019, , .		2
72	One-pass and tree-shaped tableau systems for TPTL and TPTLb+Past. Information and Computation, 2021, 278, 104599.	0.5	2

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73	A genetic algorithm approach for the Euclidean Steiner tree problem with soft obstacles. , 2021, , .		2
74	Verifying Temporal Properties in Real Models. Lecture Notes in Computer Science, 2013, , 309-323.	1.0	2
75	Imperative History: Two-Dimensional Executable Temporal Logic. Trends in Logic, 1999, , 73-98.	0.2	2
76	A Parallel Linear Temporal Logic Tableau. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 256, 166-179.	0.8	2
77	One-Pass and Tree-Shaped Tableau Systems for TPTL and TPTLb+Past. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 277, 176-190.	0.8	2
78	Take a NAP: Non-Autoregressive Prediction for Pedestrian Trajectories. Lecture Notes in Computer Science, 2020, , 544-556.	1.0	2
79	An Algebraic System of Temporal Structures. , 2013, , .		1
80	Fairness with EXPTIME Bundled CTL Tableau. , 2014, , .		1
81	Verification of Rewrite Rules for Computation Tree Logics. , 2014, , .		1
82	To be fair, use bundles. Annals of Mathematics and Artificial Intelligence, 2017, 80, 317-364.	0.9	1
83	Study of Accurate and Fast Estimation Method of Vehicle Length Based on YOLOs. , 2020, , .		1
84	On timeline-based games and their complexity. Theoretical Computer Science, 2020, 815, 247-269.	0.5	1
85	An Efficient Tableau for Linear Time Temporal Logic. Lecture Notes in Computer Science, 2013, , 289-300.	1.0	1
86	Axioms for Obligation and Robustness with Temporal Logic. Lecture Notes in Computer Science, 2010, , 66-83.	1.0	1
87	Two-Dimensional Temporal Logic. Lecture Notes in Logic, 1998, , 219-236.	0.1	1
88	Hourglass Automata. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 161, 175-188.	0.8	1
89	Towards first-order concurrent MetateM. Lecture Notes in Computer Science, 1995, , 118-143.	1.0	1
90	A Tableau for Bundled Strategies. Lecture Notes in Computer Science, 2015, , 22-37.	1.0	1

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91	A Cooperative Coevolutionary Algorithm for Real-Time Underground Mine Scheduling. Lecture Notes in Computer Science, 2018, , 410-418.	1.0	1
92	Clique-Based Traffic Control Strategy Using Vehicle-To-Vehicle Communication. Lecture Notes in Computer Science, 2019, , 534-538.	1.0	1
93	A Novel Decentralized LTL Monitoring Framework Using Formula Progression Table. Lecture Notes in Computer Science, 2019, , 38-55.	1.0	1
94	A One-Pass Tree-Shaped Tableau for LTL+Past. , 0, , .		1
95	Axiomatizations for Temporal Epistemic Logic with Perfect Recall over Linear Time. , 2009, , .		0
96	Modelling Systems over General Linear Time. , 2016, , .		0
97	Learning Variance Kernelized Correlation Filters for Robust Visual Object Tracking. , 2017, , .		0
98	Using market-based optimisation to solve the dynamic vehicle routing problem. , 2017, , .		0
99	Economic feasibility of stand-alone power systems for existing distribution networks in rural areas. , 2017, , .		0
100	A Novel Framework for Constructing Partially Monotone Rule Ensembles. , 2018, , .		0
101	Identifying Isolated Microgrids in Rural Areas : An Evolutionary Algorithm Approach for a Graph Clustering Problem. , 2019, , .		0
102	Epistemic Model Checking of Distributed Commit Protocols with Byzantine Faults. , 2019, , .		0
103	Effective Monotone Knowledge Integration in Kernel Support Vector Machines. Lecture Notes in Computer Science, 2016, , 3-18.	1.0	0
104	A Comparative Study of Decision Diagrams for Real-Time Model Checking. Lecture Notes in Computer Science, 2018, , 216-234.	1.0	0
105	Aleatoric Dynamic Epistemic Logic for Learning Agents. Lecture Notes in Computer Science, 2019, , 433-445.	1.0	0