

# Timothy Miller

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9531034/publications.pdf>

Version: 2024-02-01

26  
papers

3,501  
citations

933264

10  
h-index

887953

17  
g-index

27  
all docs

27  
docs citations

27  
times ranked

2574  
citing authors

#	ARTICLE	IF	CITATIONS
1	Explanation in artificial intelligence: Insights from the social sciences. <i>Artificial Intelligence</i> , 2019, 267, 1-38.	3.9	1,938
2	XAI“Explainable artificial intelligence. <i>Science Robotics</i> , 2019, 4, .	9.9	829
3	Explainable artificial intelligence models using real-world electronic health record data: a systematic scoping review. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2020, 27, 1173-1185.	2.2	160
4	Formalizing Trust in Artificial Intelligence. , 2021, , .		160
5	Explainable Reinforcement Learning through a Causal Lens. <i>Proceedings of the AAAI Conference on Artificial Intelligence</i> , 2020, 34, 2493-2500.	3.6	100
6	Good Proctor or “Big Brother”? Ethics of Online Exam Supervision Technologies. <i>Philosophy and Technology</i> , 2021, 34, 1581-1606.	2.6	88
7	Model-Based Test Oracle Generation for Automated Unit Testing of Agent Systems. <i>IEEE Transactions on Software Engineering</i> , 2013, 39, 1230-1244.	4.3	42
8	Using Dependency Structures for Prioritization of Functional Test Suites. <i>IEEE Transactions on Software Engineering</i> , 2013, 39, 258-275.	4.3	42
9	Contrastive explanation: a structural-model approach. <i>Knowledge Engineering Review</i> , 2021, 36, .	2.1	32
10	Combining gaze and AI planning for online human intention recognition. <i>Artificial Intelligence</i> , 2020, 284, 103275.	3.9	31
11	A case study in model-based testing of specifications and implementations. <i>Software Testing Verification and Reliability</i> , 2012, 22, 33-63.	1.7	16
12	Motivational Modelling in Software for Homelessness: Lessons from an Industrial Study. , 2019, , .		11
13	Psychologically-Driven Requirements Engineering: A Case Study in Depression Care. , 2018, , .		7
14	Modeling communication of collaborative multiagent system under epistemic planning. <i>International Journal of Intelligent Systems</i> , 2021, 36, 5959-5980.	3.3	7
15	Communication in Human-Agent Teams for Tasks with Joint Action. <i>Lecture Notes in Computer Science</i> , 2016, , 224-241.	1.0	7
16	Logics of Common Ground. <i>Journal of Artificial Intelligence Research</i> , 0, 58, 859-904.	7.0	7
17	Requirements specification via activity diagrams for agent-based systems. <i>Autonomous Agents and Multi-Agent Systems</i> , 2017, 31, 423-468.	1.3	6
18	Using Metamorphic Testing to Improve Dynamic Symbolic Execution. , 2015, , .		4

#	ARTICLE	IF	CITATIONS
19	Inventory routing for defense: Moving supplies in adversarial and partially observable environments. Journal of Defense Modeling and Simulation, 2020, 17, 55-81.	1.2	3
20	Explainable models for forecasting the emergence of political instability. PLoS ONE, 2021, 16, e0254350.	1.1	3
21	Viewpoint Modelling with Emotions: A Case Study. International Journal of People-Oriented Programming, 2015, 4, 25-53.	0.3	2
22	Does it Fit Me Better? User Segmentation in Requirements Engineering. , 2016, , .		2
23	Compositional Symbolic Execution: Incremental Solving Revisited. , 2016, , .		1
24	Efficient storage and retrieval in agent protocol libraries using subsumption hierarchies. Multiagent and Grid Systems, 2013, 9, 101-134.	0.5	0
25	Looking Closer at Compositional Symbolic Execution. , 2015, , .		0
26	Symbolic Execution with Invariant Inlay: Evaluating the Potential. , 2018, , .		0