

# Marie Farrell

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1296838/publications.pdf>

Version: 2024-02-01

16  
papers

333  
citations

1163117

8  
h-index

996975

15  
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18  
all docs

18  
docs citations

18  
times ranked

199  
citing authors

#	ARTICLE	IF	CITATIONS
1	Formal Specification and Verification of Autonomous Robotic Systems. ACM Computing Surveys, 2020, 52, 1-41.	23.0	153
2	Robotics and Integrated Formal Methods: Necessity Meets Opportunity. Lecture Notes in Computer Science, 2018, , 161-171.	1.3	35
3	An Overview of Verification and Validation Challenges for Inspection Robots. Robotics, 2021, 10, 67.	3.5	30
4	Heterogeneous Verification of an Autonomous Curiosity Rover. Lecture Notes in Computer Science, 2020, , 353-360.	1.3	20
5	Integrating Formal Verification and Assurance: An Inspection Rover Case Study. Lecture Notes in Computer Science, 2021, , 53-71.	1.3	18
6	A Summary of Formal Specification and Verification of Autonomous Robotic Systems. Lecture Notes in Computer Science, 2019, , 538-541.	1.3	13
7	FRETting About Requirements: Formalised Requirements for an Aircraft Engine Controller. Lecture Notes in Computer Science, 2022, , 96-111.	1.3	12
8	Towards Compositional Verification for Modular Robotic Systems. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 329, 15-22.	0.8	11
9	A Review of Verification and Validation for Space Autonomous Systems. Current Robotics Reports, 2021, 2, 273-283.	7.9	9
10	An Institution for Event-B. Lecture Notes in Computer Science, 2017, , 104-119.	1.3	9
11	Using Threat Analysis Techniques to Guide Formal Verification: A Case Study of Cooperative Awareness Messages. Lecture Notes in Computer Science, 2019, , 471-490.	1.3	6
12	Formal Modelling and Runtime Verification of Autonomous Grasping for Active Debris Removal. Frontiers in Robotics and AI, 2021, 8, 639282.	3.2	5
13	A formal approach to finding inconsistencies in a metamodel. Software and Systems Modeling, 2021, 20, 1271-1298.	2.7	4
14	Specification Clones: An Empirical Study of the Structure of Event-B Specifications. Lecture Notes in Computer Science, 2017, , 152-167.	1.3	3
15	Combining Event-B and CSP: An Institution Theoretic Approach to Interoperability. Lecture Notes in Computer Science, 2017, , 140-156.	1.3	2
16	Using dafny to solve the VerifyThis 2021 challenges. , 2021, , .		1