

Vasumathi Raman

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

21
papers

556
citations

14
h-index

22
g-index

22
ext. papers

733
ext. citations

2.7
avg, IF

4.22
L-index

#	Paper	IF	Citations
21	Synthesis for Robots: Guarantees and Feedback for Robot Behavior. <i>Annual Review of Control, Robotics, and Autonomous Systems</i> , 2018 , 1, 211-236	11.8	45
20	Reactive mission and motion planning with deadlock resolution avoiding dynamic obstacles. <i>Autonomous Robots</i> , 2018 , 42, 801-824	3	22
19	Synthesis of Obfuscation Policies to Ensure Privacy and Utility. <i>Journal of Automated Reasoning</i> , 2018 , 60, 107-131	1	16
18	Safe Autonomy Under Perception Uncertainty Using Chance-Constrained Temporal Logic. <i>Journal of Automated Reasoning</i> , 2018 , 60, 43-62	1	21
17	Generating Dominant Strategies for Continuous Two-Player Zero-Sum Games. <i>IFAC-PapersOnLine</i> , 2018 , 51, 7-12	0.7	1
16	Automated Synthesis of Safe Autonomous Vehicle Control Under Perception Uncertainty. <i>Lecture Notes in Computer Science</i> , 2016 , 117-132	0.9	15
15	Obfuscator Synthesis for Privacy and Utility. <i>Lecture Notes in Computer Science</i> , 2016 , 133-149	0.9	9
14	Slugs: Extensible GR(1) Synthesis. <i>Lecture Notes in Computer Science</i> , 2016 , 333-339	0.9	40
13	Provably correct reactive control from natural language. <i>Autonomous Robots</i> , 2015 , 38, 89-105	3	23
12	. <i>IEEE Transactions on Robotics</i> , 2015 , 31, 591-604	6.5	10
11	Reactive synthesis from signal temporal logic specifications 2015 ,		82
10	Robust Model Predictive Control for Signal Temporal Logic Synthesis. <i>IFAC-PapersOnLine</i> , 2015 , 48, 323-328		22
9	Reactive switching protocols for multi-robot high-level tasks 2014 ,		9
8	Model predictive control with signal temporal logic specifications 2014 ,		131
7	Synthesis for multi-robot controllers with interleaved motion 2014 ,		16
6	Towards minimal explanations of unsynthesizability for high-level robot behaviors 2013 ,		12
5	. <i>IEEE Transactions on Robotics</i> , 2013 , 29, 94-104	6.5	22

4	Provably correct continuous control for high-level robot behaviors with actions of arbitrary execution durations 2013 ,	21
3	Automated feedback for unachievable high-level robot behaviors 2012 ,	12
2	Temporal logic robot mission planning for slow and fast actions 2012 ,	8
1	Analyzing Unsynthesizable Specifications for High-Level Robot Behavior Using LTLMoP. <i>Lecture Notes in Computer Science</i> , 2011 , 663-668	0.9 19