Vasumathi Raman

List of Publications by Citations

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	Model predictive control with signal temporal logic specifications **2014**,		131
20	Reactive synthesis from signal temporal logic specifications **2015**,		82
19	Synthesis for Robots: Guarantees and Feedback for Robot Behavior. *Annual Review of Control, Robotics, and Autonomous Systems*, **2018**, 1, 211-236	11.8	45
18	Slugs: Extensible GR(1) Synthesis. *Lecture Notes in Computer Science*, **2016**, 333-339	0.9	40
17	Provably correct reactive control from natural language. *Autonomous Robots*, **2015**, 38, 89-105	3	23
16	Reactive mission and motion planning with deadlock resolution avoiding dynamic obstacles. *Autonomous Robots*, **2018**, 42, 801-824	3	22
15	. *IEEE Transactions on Robotics*, **2013**, 29, 94-104	6.5	22
14	Robust Model Predictive Control for Signal Temporal Logic Synthesis. *IFAC-PapersOnLine*, **2015**, 48, 323-328	27.8	22
13	Provably correct continuous control for high-level robot behaviors with actions of arbitrary execution durations **2013**,		21
12	Safe Autonomy Under Perception Uncertainty Using Chance-Constrained Temporal Logic. *Journal of Automated Reasoning*, **2018**, 60, 43-62	1	21
11	Analyzing Unsynthesizable Specifications for High-Level Robot Behavior Using LTLMoP. *Lecture Notes in Computer Science*, **2011**, 663-668	0.9	19
10	Synthesis for multi-robot controllers with interleaved motion **2014**,		16
9	Synthesis of Obfuscation Policies to Ensure Privacy and Utility. *Journal of Automated Reasoning*, **2018**, 60, 107-131	1	16
8	Automated Synthesis of Safe Autonomous Vehicle Control Under Perception Uncertainty. *Lecture Notes in Computer Science*, **2016**, 117-132	0.9	15
7	Towards minimal explanations of unsynthesizability for high-level robot behaviors **2013**,		12
6	Automated feedback for unachievable high-level robot behaviors **2012**,		12
5	. *IEEE Transactions on Robotics*, **2015**, 31, 591-604	6.5	10

4	Obfuscator Synthesis for Privacy and Utility. *Lecture Notes in Computer Science*, **2016**, 133-149	0.9	9
3	Reactive switching protocols for multi-robot high-level tasks **2014**,		9
2	Temporal logic robot mission planning for slow and fast actions **2012**,		8
1	Generating Dominant Strategies for Continuous Two-Player Zero-Sum Games. *IFAC-PapersOnLine*, **2018**, 51, 7-12	0.7	1