Viorela Ila

List of Publications by Year
in descending order

14	1,407	1684188	1872680
papers	citations	5	6
		h-index	g-index

14	14	14	1031
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	SLAM++-A highly efficient and temporally scalable incremental SLAM framework. International Journal of Robotics Research, 2017, 36, 210-230.	8.5	63
2	Mission-time 3D reconstruction with quality estimation. , 2017, , .		8
3	Fast covariance recovery in incremental nonlinear least square solvers. , 2015, , .		21
4	Efficient implementation for block matrix operations for nonlinear least squares problems in robotic applications. , 2013, , .		14
5	Incremental Cholesky Factorization for Least Squares Problems in Robotics. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 172-178.	0.4	3
6	iSAM2: Incremental smoothing and mapping using the Bayes tree. International Journal of Robotics Research, 2012, 31, 216-235.	8.5	820
7	Amortized constant time state estimation in Pose SLAM and hierarchical SLAM using a mixed Kalman-information filter. Robotics and Autonomous Systems, 2011, 59, 310-318.	5.1	6
8	iSAM2: Incremental smoothing and mapping with fluid relinearization and incremental variable reordering. , 2011, , .		135
9	3D reconstruction of underwater structures. , 2010, , .		59
10	Subgraph-preconditioned conjugate gradients for large scale SLAM. , 2010, , .		41
11	Information-Based Compact Pose SLAM. IEEE Transactions on Robotics, 2010, 26, 78-93.	10.3	146
12	The Bayes Tree: An Algorithmic Foundation for Probabilistic Robot Mapping. Springer Tracts in Advanced Robotics, 2010, , 157-173.	0.4	52
13	Vision-based loop closing for delayed state robot mapping. , 2007, , .		17
14	Incremental Block Cholesky Factorization for Nonlinear Least Squares in Robotics. , 0, , .		22