

Juan D TardÃ³s

List of Publications by Year in descending order

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13,419
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623734

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6117
citing authors

#	ARTICLE	IF	CITATIONS
1	ORB-SLAM3: An Accurate Open-Source Library for Visual, Visual-Inertial, and Multimap SLAM. IEEE Transactions on Robotics, 2021, 37, 1874-1890.	10.3	1,265
2	DynaSLAM II: Tightly-Coupled Multi-Object Tracking and SLAM. IEEE Robotics and Automation Letters, 2021, 6, 5191-5198.	5.1	97
3	SD-DefSLAM: Semi-Direct Monocular SLAM for Deformable and Intracorporeal Scenes. , 2021, , .		11
4	Inertial-Only Optimization for Visual-Inertial Initialization. , 2020, , .		34
5	Fast and Robust Initialization for Visual-Inertial SLAM. , 2019, , .		20
6	ORB-SLAM-Atlas: a robust and accurate multi-map system. , 2019, , .		33
7	Visual-Inertial Monocular SLAM With Map Reuse. IEEE Robotics and Automation Letters, 2017, 2, 796-803.	5.1	562
8	ORB-SLAM2: An Open-Source SLAM System for Monocular, Stereo, and RGB-D Cameras. IEEE Transactions on Robotics, 2017, 33, 1255-1262.	10.3	3,975
9	Real-time monocular object SLAM. Robotics and Autonomous Systems, 2016, 75, 435-449.	5.1	99
10	ORB-SLAM: A Versatile and Accurate Monocular SLAM System. IEEE Transactions on Robotics, 2015, 31, 1147-1163.	10.3	4,585
11	Fast relocalisation and loop closing in keyframe-based SLAM. , 2014, , .		184
12	Robust Place Recognition With Stereo Sequences. IEEE Transactions on Robotics, 2012, 28, 871-885.	10.3	74
13	Bags of Binary Words for Fast Place Recognition in Image Sequences. IEEE Transactions on Robotics, 2012, 28, 1188-1197.	10.3	1,273
14	CI-Graph simultaneous localization and mapping for three-dimensional reconstruction of large and complex environments using a multicamera system. Journal of Field Robotics, 2010, 27, 561-586.	6.0	28
15	Robust place recognition with stereo cameras. , 2010, , .		31
16	CI-Graph: An efficient approach for large scale SLAM. , 2009, , .		14
17	Large-Scale 6-DOF SLAM With Stereo-in-Hand. IEEE Transactions on Robotics, 2008, 24, 946-957.	10.3	201
18	Divide and Conquer: EKF SLAM in $\mathcal{O}(n)$. IEEE Transactions on Robotics, 2008, 24, 1107-1120.	10.3	157

#	ARTICLE	IF	CITATIONS
19	Large-Scale SLAM Building Conditionally Independent Local Maps: Application to Monocular Vision. IEEE Transactions on Robotics, 2008, 24, 1094-1106.	10.3	92
20	Scalable SLAM building conditionally independent local maps. , 2007, , .		34
21	Limits to the consistency of EKF-based SLAM. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2004, 37, 716-721.	0.4	108
22	Towards Robust Data Association and Feature Modeling for Concurrent Mapping and Localization. , 2003, , 7-20.		12
23	Robust Mapping and Localization in Indoor Environments Using Sonar Data. International Journal of Robotics Research, 2002, 21, 311-330.	8.5	416
24	Mobile Robot Localization and Map Building. , 1999, , .		114