

Andrea Censi

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

1,427
citations

933447

10
h-index

1125743

13
g-index

38
all docs

38
docs citations

38
times ranked

1300
citing authors

#	ARTICLE	IF	CITATIONS
1	An ICP variant using a point-to-line metric. , 2008, , .		374
2	An accurate closed-form estimate of ICP's covariance. Proceedings - IEEE International Conference on Robotics and Automation, 2007, , .	0.0	118
3	Controlling free flight of a robotic fly using an onboard vision sensor inspired by insect ocelli. Journal of the Royal Society Interface, 2014, 11, 20140281.	3.4	98
4	Simultaneous Calibration of Odometry and Sensor Parameters for Mobile Robots. IEEE Transactions on Robotics, 2013, 29, 475-492.	10.3	97
5	Kalman Filtering With Intermittent Observations: Convergence for Semi-Markov Chains and an Intrinsic Performance Measure. IEEE Transactions on Automatic Control, 2011, 56, 376-381.	5.7	66
6	Low-latency localization by active LED markers tracking using a dynamic vision sensor. , 2013, , .		65
7	Liability, Ethics, and Culture-Aware Behavior Specification using Rulebooks. , 2019, , .		62
8	From Angular Manifolds to the Integer Lattice: Guaranteed Orientation Estimation With Application to Pose Graph Optimization. IEEE Transactions on Robotics, 2014, 30, 475-492.	10.3	55
9	OpenRDK: A modular framework for robotic software development. , 2008, , .		52
10	Discriminating External and Internal Causes for Heading Changes in Freely Flying Drosophila. PLoS Computational Biology, 2013, 9, e1002891.	3.2	52
11	On achievable accuracy for range-finder localization. Proceedings - IEEE International Conference on Robotics and Automation, 2007, , .	0.0	46
12	Selecting good measurements via ℓ_1/ℓ_2 relaxation: A convex approach for robust estimation over graphs. , 2014, , .		42
13	A Bayesian framework for optimal motion planning with uncertainty. , 2008, , .		34
14	Simultaneous maximum-likelihood calibration of odometry and sensor parameters. , 2008, , .		33
15	Uncertainty in Monotone Codesign Problems. IEEE Robotics and Automation Letters, 2017, 2, 1556-1563.	5.1	30
16	HSM3D: Feature-less global 6DOF scan-matching in the Hough/Radon domain. , 2009, , .		28
17	Real-valued average consensus over noisy quantized channels. , 2009, , .		16
18	Urban Driving Games With Lexicographic Preferences and Socially Efficient Nash Equilibria. IEEE Robotics and Automation Letters, 2021, 6, 4978-4985.	5.1	15

#	ARTICLE	IF	CITATIONS
19	Co-Design of Autonomous Systems: From Hardware Selection to Control Synthesis. , 2021, , .		14
20	On the performance of Kalman filtering with intermittent observations: A geometric approach with fractals. , 2009, , .		13
21	A bio-plausible design for visual attitude stabilization. , 2009, , .		12
22	A bio-plausible design for visual pose stabilization. , 2010, , .		12
23	Exploiting motion priors in visual odometry for vehicle-mounted cameras with non-holonomic constraints. , 2011, , .		11
24	Calibration by Correlation Using Metric Embedding from Nonmetric Similarities. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2013, 35, 2357-2370.	13.9	11
25	Learning diffeomorphism models of robotic sensorimotor cascades. , 2012, , .		10
26	Efficient neuromorphic optomotor heading regulation. , 2015, , .		9
27	Co-design of Embodied Intelligence: A Structured Approach. , 2021, , .		9
28	Bootstrapping bilinear models of robotic sensorimotor cascades. , 2011, , .		7
29	Motion planning in observations space with learned diffeomorphism models. , 2013, , .		7
30	Bootstrapping sensorimotor cascades: A group-theoretic perspective. , 2011, , .		6
31	Posetal Games: Efficiency, Existence, and Refinement of Equilibria in Games With Prioritized Metrics. IEEE Robotics and Automation Letters, 2022, 7, 1292-1299.	5.1	6
32	Uncertain semantics, representation nuisances, and necessary invariance properties of bootstrapping agents. , 2011, , .		4
33	Bootstrapping bilinear models of Simple Vehicles. International Journal of Robotics Research, 2015, 34, 1087-1113.	8.5	4
34	Lazy localization using the Frozen-Time Smoother. , 2008, , .		3
35	Fault detection and isolation from uninterpreted data in robotic sensorimotor cascades. , 2012, , .		3
36	An experimental assessment of the HSM3D algorithm for sparse and colored data. , 2009, , .		1

#	ARTICLE	IF	CITATIONS
37	Accurate recursive learning of uncertain diffeomorphism dynamics. , 2013, , .		1
38	Dense Map Inference with User-Defined Priors: From Priorlets to Scan Eigenvariations. Lecture Notes in Computer Science, 2012, , 94-113.	1.3	1