

# Simon Lacroix

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11800324/publications.pdf>

Version: 2024-02-01

24  
papers

913  
citations

1039880

9  
h-index

1125617

13  
g-index

26  
all docs

26  
docs citations

26  
times ranked

949  
citing authors

#	ARTICLE	IF	CITATIONS
1	Use of large-eddy simulations to design an adaptive sampling strategy to assess cumulus cloud heterogeneities by remotely piloted aircraft. Atmospheric Measurement Techniques, 2022, 15, 335-352.	1.2	1
2	Field report: Deployment of a fleet of drones for cloud exploration. International Journal of Micro Air Vehicles, 2022, 14, 175682932110708.	1.0	2
3	Framework for multiagent ocean monitoring: dynamic environment and reactive policy. , 2021, , .		0
4	Experimental flights of adaptive patterns for cloud exploration with UAVs. , 2020, , .		6
5	Flight patterns for clouds exploration with a fleet of UAVs. , 2019, , .		8
6	Adaptive sampling of cumulus clouds with UAVs. Autonomous Robots, 2018, 42, 491-512.	3.2	18
7	Monitoring the evolution of clouds with UAVs. , 2016, , .		16
8	Robust Visual Place Recognition with Graph Kernels. , 2016, , .		33
9	Managing environment models in multi-robot teams. , 2016, , .		2
10	Building Location Models for Visual Place Recognition. International Journal of Robotics Research, 2016, 35, 334-356.	5.8	22
11	Multi-robot target detection and tracking: taxonomy and survey. Autonomous Robots, 2016, 40, 729-760.	3.2	183
12	Probabilistic place recognition with covisibility maps. , 2013, , .		25
13	Editorial: For the JFR special issue on "Multiple collaborative field robots" Journal of Field Robotics, 2012, 29, 687-688.	3.2	2
14	Simulating Complex Robotic Scenarios with MORSE. Lecture Notes in Computer Science, 2012, , 197-208.	1.0	43
15	An information-driven navigation strategy for autonomous navigation in unknown environments. , 2011, , .		3
16	Large scale multiple robot visual mapping with heterogeneous landmarks in semi-structured terrain. Robotics and Autonomous Systems, 2011, 59, 654-674.	3.0	59
17	ROAR: Resource oriented agent architecture for the autonomy of robots. , 2011, , .		5
18	Event-driven loop closure in multi-robot mapping. , 2009, , .		7

#	ARTICLE	IF	CITATIONS
19	Selection and Monitoring of Navigation Modes for an Autonomous Rover. , 2008, , 121-130.		2
20	Monocular-vision based SLAM using Line Segments. Proceedings - IEEE International Conference on Robotics and Automation, 2007, , .	0.0	82
21	Decisional autonomy of planetary rovers. Journal of Field Robotics, 2007, 24, 559-580.	3.2	39
22	Vision-Based SLAM: Stereo and Monocular Approaches. International Journal of Computer Vision, 2007, 74, 343-364.	10.9	204
23	Autonomous Rover Navigation on Unknown Terrains: Functions and Integration. International Journal of Robotics Research, 2002, 21, 917-942.	5.8	145
24	Failure anticipation in pursuit-evasion. , 0, , .		1