

# Francisco-Angel Moreno

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8616230/publications.pdf>

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28  
papers

917  
citations

933447

10  
h-index

794594

19  
g-index

28  
all docs

28  
docs citations

28  
times ranked

1036  
citing authors

#	ARTICLE	IF	CITATIONS
1	PL-SLAM: A Stereo SLAM System Through the Combination of Points and Line Segments. IEEE Transactions on Robotics, 2019, 35, 734-746.	10.3	285
2	The M <sup>2</sup> laga urban dataset: High-rate stereo and LiDAR in a realistic urban scenario. International Journal of Robotics Research, 2014, 33, 207-214.	8.5	188
3	A collection of outdoor robotic datasets with centimeter-accuracy ground truth. Autonomous Robots, 2009, 27, 327-351.	4.8	145
4	A predictive model for the maintenance of industrial machinery in the context of industry 4.0. Engineering Applications of Artificial Intelligence, 2020, 87, 103289.	8.1	100
5	A Semantic-Based Gas Source Localization with a Mobile Robot Combining Vision and Chemical Sensing. Sensors, 2018, 18, 4174.	3.8	32
6	An Instrumented Vehicle for Efficient and Accurate 3D Mapping of Roads. Computer-Aided Civil and Infrastructure Engineering, 2013, 28, 403-419.	9.8	25
7	Automatic Waypoint Generation to Improve Robot Navigation Through Narrow Spaces. Sensors, 2020, 20, 240.	3.8	21
8	Human 3D Pose Estimation with a Tilting Camera for Social Mobile Robot Interaction. Sensors, 2019, 19, 4943.	3.8	19
9	Ontology-based conditional random fields for object recognition. Knowledge-Based Systems, 2019, 168, 100-108.	7.1	15
10	Experimental Validation of Depth Cameras for the Parameterization of Functional Balance of Patients in Clinical Tests. Sensors, 2017, 17, 424.	3.8	12
11	Towards Long-Term Deployment of a Mobile Robot for at-Home Ambient Assisted Living of the Elderly. , 2019, , .		12
12	ERODE: An efficient and robust outlier detector and its application to stereovisual odometry. , 2013, , .		10
13	A constant-time SLAM back-end in the continuum between global mapping and submapping: application to visual stereo SLAM. International Journal of Robotics Research, 2016, 35, 1036-1056.	8.5	9
14	An Analytical Solution to the IMU Initialization Problem for Visual-Inertial Systems. IEEE Robotics and Automation Letters, 2021, 6, 6116-6122.	5.1	9
15	Validation, Reliability, and Responsiveness Outcomes of Kinematic Assessment with an RGB-D Camera to Analyze Movement in Subacute and Chronic Low Back Pain. Sensors, 2020, 20, 689.	3.8	8
16	Differences in movement limitations in different low back pain severity in functional tests using an RGB-D camera. Journal of Biomechanics, 2021, 116, 110212.	2.1	6
17	Olfaction, Vision, and Semantics for Mobile Robots. Results of the IRO Project. Sensors, 2019, 19, 3488.	3.8	5
18	Appearance-Based Sequential Robot Localization Using a Patchwise Approximation of a Descriptor Manifold. Sensors, 2021, 21, 2483.	3.8	5

#	ARTICLE	IF	CITATIONS
19	User feedback and remote supervision for assisted living with mobile robots: A field study in long-term autonomy. <i>Robotics and Autonomous Systems</i> , 2022, 155, 104170.	5.1	5
20	Towards a Semantic Gas Source Localization Under Uncertainty. <i>Communications in Computer and Information Science</i> , 2018, , 504-516.	0.5	3
21	Evaluation of Laser Range-Finder Mapping for Agricultural Spraying Vehicles. <i>Lecture Notes in Computer Science</i> , 2014, , 210-221.	1.3	2
22	Unsupervised Appearance Map Abstraction for Indoor Visual Place Recognition With Mobile Robots. <i>IEEE Robotics and Automation Letters</i> , 2022, 7, 8495-8501.	5.1	1
23	Experimental study of the suitability of CNN-based holistic descriptors for accurate visual localization. , 2019, , .		0
24	Human motion capture for movement limitation analysis using an RGB-D camera in spondyloarthritis: a validation study. <i>Medical and Biological Engineering and Computing</i> , 2021, 59, 2127-2137.	2.8	0
25	Enhancing Smart Environments with Mobile Robots. <i>Lecture Notes in Computer Science</i> , 2016, , 137-143.	1.3	0
26	A TUTORIAL ON OBJECT RECOGNITION BY MACHINE LEARNING TECHNIQUES USING PYTHON. <i>INTED Proceedings</i> , 2019, , .	0.0	0
27	Experimental Analysis of Appearance Maps as Descriptor Manifolds Approximations. <i>Lecture Notes in Computer Science</i> , 2021, , 109-119.	1.3	0
28	D-LSD: A Distorted Line Segment Detector for Calibrated Images. <i>Lecture Notes in Computer Science</i> , 2021, , 422-431.	1.3	0