Francisco-Angel Moreno

List of Publications by Year
in descending order

28	917	933447 10	794594 19
papers	citations	h-index	g-index

28	28	28	1036
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	User feedback and remote supervision for assisted living with mobile robots: A field study in long-term autonomy. Robotics and Autonomous Systems, 2022, 155, 104170.	5.1	5
2	Unsupervised Appearance Map Abstraction for Indoor Visual Place Recognition With Mobile Robots. IEEE Robotics and Automation Letters, 2022, 7, 8495-8501.	5.1	1
3	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
4	Appearance-Based Sequential Robot Localization Using a Patchwise Approximation of a Descriptor Manifold. Sensors, 2021, 21, 2483.	3.8	5
5	An Analytical Solution to the IMU Initialization Problem for Visual-Inertial Systems. IEEE Robotics and Automation Letters, 2021, 6, 6116-6122.	5.1	9
6	Human motion capture for movement limitation analysis using an RGB-D camera in spondyloarthritis: a validation study. Medical and Biological Engineering and Computing, 2021, 59, 2127-2137.	2.8	0
7	Experimental Analysis of Appearance Maps as Descriptor Manifolds Approximations. Lecture Notes in Computer Science, 2021, , 109-119.	1.3	0
8	D-LSD: A Distorted Line Segment Detector for Calibrated Images. Lecture Notes in Computer Science, 2021, , 422-431.	1.3	0
9	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
10	Automatic Waypoint Generation to Improve Robot Navigation Through Narrow Spaces. Sensors, 2020, 20, 240.	3.8	21
11	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
12	Experimental study of the suitability of CNN-based holistic descriptors for accurate visual localization. , 2019, , .		0
13	Towards Long-Term Deployment of a Mobile Robot for at-Home Ambient Assisted Living of the Elderly. , 2019, , .		12
14	Olfaction, Vision, and Semantics for Mobile Robots. Results of the IRO Project. Sensors, 2019, 19, 3488.	3.8	5
15	Ontology-based conditional random fields for object recognition. Knowledge-Based Systems, 2019, 168, 100-108.	7.1	15
16	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
17	Human 3D Pose Estimation with a Tilting Camera for Social Mobile Robot Interaction. Sensors, 2019, 19, 4943.	3.8	19
18	A TUTORIAL ON OBJECT RECOGNITION BY MACHINE LEARNING TECHNIQUES USING PYTHON. INTED Proceedings, 2019, , .	0.0	0

#	Article	IF	Citations
19	A Semantic-Based Gas Source Localization with a Mobile Robot Combining Vision and Chemical Sensing. Sensors, 2018, 18, 4174.	3.8	32
20	Towards a Semantic Gas Source Localization Under Uncertainty. Communications in Computer and Information Science, 2018, , 504-516.	0.5	3
21	Experimental Validation of Depth Cameras for the Parameterization of Functional Balance of Patients in Clinical Tests. Sensors, 2017, 17, 424.	3.8	12
22	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
23	Enhancing Smart Environments with Mobile Robots. Lecture Notes in Computer Science, 2016, , 137-143.	1.3	0
24	The MÃ¡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
25	Evaluation of Laser Range-Finder Mapping for Agricultural Spraying Vehicles. Lecture Notes in Computer Science, 2014, , 210-221.	1.3	2
26	An Instrumented Vehicle for Efficient and Accurate 3D Mapping of Roads. Computer-Aided Civil and Infrastructure Engineering, 2013, 28, 403-419.	9.8	25
27	ERODE: An efficient and robust outlier detector and its application to stereovisual odometry. , 2013, , .		10
28	A collection of outdoor robotic datasets with centimeter-accuracy ground truth. Autonomous Robots, 2009, 27, 327-351.	4.8	145