

# Antonio Morales

## List of Publications by Year in descending order

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Version: 2024-02-01

48  
papers

1,474  
citations

759233

12  
h-index

642732

23  
g-index

50  
all docs

50  
docs citations

50  
times ranked

1187  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Design and analysis of a variable-stiffness robotic gripper. AEJ - Alexandria Engineering Journal, 2022, 61, 1235-1248.                           | 6.4 | 13        |
| 2  | Mobile Manipulation Hackathon: Moving into Real World Applications. IEEE Robotics and Automation Magazine, 2021, 28, 112-124.                     | 2.0 | 6         |
| 3  | A Practical Approach for Picking Items in an Online Shopping Warehouse. Applied Sciences (Switzerland), 2021, 11, 5805.                           | 2.5 | 3         |
| 4  | Non-Destructive Robotic Assessment of Mango Ripeness via Multi-Point Soft Haptics. , 2019, , .  |     | 15        |
| 5  | Predicting grasp success in the real world - A study of quality metrics and human assessment. Robotics and Autonomous Systems, 2019, 121, 103274. | 5.1 | 5         |
| 6  | Analysis of Variable-Stiffness Soft Finger Joints. Advances in Intelligent Systems and Computing, 2019, , 334-345.                                | 0.6 | 3         |
| 7  | Grasping Strategies for Picking Items in an Online Shopping Warehouse. Advances in Intelligent Systems and Computing, 2019, , 775-785.            | 0.6 | 0         |
| 8  | Characterisation of Grasp Quality Metrics. Journal of Intelligent and Robotic Systems: Theory and Applications, 2018, 89, 319-342.                | 3.4 | 16        |
| 9  | UJI RobInLab's approach to the Amazon Robotics Challenge 2017. , 2017, , .  |     | 3         |
| 10 | On the relevance of grasp metrics for predicting grasp success. , 2017, , .   |     | 17        |
| 11 | Comparison between grasp quality metrics and the anthropomorphism index for the evaluation of artificial hands. , 2016, , .                       |     | 4         |
| 12 | Tombatossals: A humanoid torso for autonomous sensor-based tasks. , 2015, , .   |     | 3         |
| 13 | Multi-sensor and prediction fusion for contact detection and localization. , 2014, , .  |     | 7         |
| 14 | Grasp quality metrics for robot hands benchmarking. , 2014, , .   |     | 3         |
| 15 | A solution for the cap unscrewing task with a dual arm sensor-based system. , 2014, , .   |     | 8         |
| 16 | Characterization of grasp quality measures for evaluating robotic hands prehension. , 2014, , .   |     | 8         |
| 17 | From Robot to Human Grasping Simulation. Cognitive Systems Monographs, 2014, , .  | 0.1 | 19        |
| 18 | Grasp modelling with a biomechanical model of the hand. Computer Methods in Biomechanics and Biomedical Engineering, 2014, 17, 297-310.           | 1.6 | 22        |

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 19 | Data-Driven Grasp Synthesis—A Survey. IEEE Transactions on Robotics, 2014, 30, 289-309.   | 10.3 | 681       |
| 20 | Robot Grasping Foundations. Cognitive Systems Monographs, 2014, , 15-31.  | 0.1  | 9         |
| 21 | Applications of Robot Grasping Simulation. Cognitive Systems Monographs, 2014, , 67-119.  | 0.1  | 0         |
| 22 | Contact Detection and Location from Robot and Object Tracking on RGB-D Images. Advances in Intelligent Systems and Computing, 2014, , 647-660.            | 0.6  | 1         |
| 23 | Manipulation primitives: A paradigm for abstraction and execution of grasping and manipulation tasks. Robotics and Autonomous Systems, 2013, 61, 283-296. | 5.1  | 22        |
| 24 | Model of tactile sensors using soft contacts and its application in robot grasping simulation. Robotics and Autonomous Systems, 2013, 61, 1-12.           | 5.1  | 18        |
| 25 | Evaluation of prosthetic hands prehension using grasp quality measures. , 2013, , .   |      | 6         |
| 26 | Contact localization through robot and object motion from point clouds. , 2013, , .   |      | 3         |
| 27 | Sensors and Methods for the Evaluation of Grasping. Mechanisms and Machine Science, 2013, , 77-104.   | 0.5  | 4         |
| 28 | Simulation of tactile sensors using soft contacts for robot grasping applications. , 2012, , .  |      | 7         |
| 29 | Task-based Grasp Adaptation on a Humanoid Robot. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 779-786.          | 0.4  | 12        |
| 30 | Evaluation of Human Prehension Using Grasp Quality Measures. International Journal of Advanced Robotic Systems, 2012, 9, 112.                             | 2.1  | 22        |
| 31 | Simulation of robot dynamics for grasping and manipulation tasks. , 2012, , .   |      | 4         |
| 32 | Contact-based blind grasping of unknown objects. , 2012, , .  |      | 12        |
| 33 | Mind the gap - robotic grasping under incomplete observation. , 2011, , .   |      | 78        |
| 34 | Hierarchical object recognition inspired by primate brain mechanisms. , 2011, , .   |      | 0         |
| 35 | Visual tracking of a jaw gripper based on articulated 3D models for grasping. , 2010, , .   |      | 7         |
| 36 | Embodiment independent manipulation through action abstraction. , 2010, , .   |      | 7         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 37 | OpenGRASP: A Toolkit for Robot Grasping Simulation. Lecture Notes in Computer Science, 2010, , 109-120.   | 1.3 | 75        |
| 38 | Robust sensor-based grasp primitive for a three-finger robot hand. , 2009, , .  |     | 62        |
| 39 | A 3D grasping system based on multimodal visual and tactile processing. Industrial Robot, 2009, 36, 365-369.  | 2.1 | 5         |
| 40 | Vision-based grasp planning of 3D objects by extending 2D contour based algorithms. , 2008, , .   |     | 19        |
| 41 | ROBUST GRASPING OF 3D OBJECTS WITH STEREO VISION AND TACTILE FEEDBACK. , 2008, , .  |     | 4         |
| 42 | Symbol grounding through robotic manipulation in cognitive systems. Robotics and Autonomous Systems, 2007, 55, 851-859.   | 5.1 | 6         |
| 43 | Integrated Grasp Planning and Visual Object Localization For a Humanoid Robot with Five-Fingered Hands. , 2006, , .   |     | 70        |
| 44 | Vision-based three-finger grasp synthesis constrained by hand geometry. Robotics and Autonomous Systems, 2006, 54, 496-512.   | 5.1 | 64        |
| 45 | Visual Quality Measures for Characterizing Planar Robot Grasps. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2005, 35, 30-41. | 2.9 | 57        |
| 46 | USING EXPERIENCE FOR ASSESSING GRASP RELIABILITY. International Journal of Humanoid Robotics, 2004, 01, 671-691.  | 1.1 | 55        |
| 47 | Validation of Features for Characterizing Robot Grasps. Lecture Notes in Computer Science, 2003, , 193-200.   | 1.3 | 2         |
| 48 | Towards a Realistic and Self-Contained Biomechanical Model of the Hand. , 0, , .  |     | 7         |