

Antonio Morales

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6452483/publications.pdf>

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	Data-Driven Grasp Synthesis – A Survey. IEEE Transactions on Robotics, 2014, 30, 289-309.	10.3	681
2	Mind the gap - robotic grasping under incomplete observation. , 2011, , .		78
3	OpenGRASP: A Toolkit for Robot Grasping Simulation. Lecture Notes in Computer Science, 2010, , 109-120.	1.3	75
4	Integrated Grasp Planning and Visual Object Localization For a Humanoid Robot with Five-Fingered Hands. , 2006, , .		70
5	Vision-based three-finger grasp synthesis constrained by hand geometry. Robotics and Autonomous Systems, 2006, 54, 496-512.	5.1	64
6	Robust sensor-based grasp primitive for a three-finger robot hand. , 2009, , .		62
7	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
8	USING EXPERIENCE FOR ASSESSING GRASP RELIABILITY. International Journal of Humanoid Robotics, 2004, 01, 671-691.	1.1	55
9	Evaluation of Human Prehension Using Grasp Quality Measures. International Journal of Advanced Robotic Systems, 2012, 9, 112.	2.1	22
10	Manipulation primitives: A paradigm for abstraction and execution of grasping and manipulation tasks. Robotics and Autonomous Systems, 2013, 61, 283-296.	5.1	22
11	Grasp modelling with a biomechanical model of the hand. Computer Methods in Biomechanics and Biomedical Engineering, 2014, 17, 297-310.	1.6	22
12	Vision-based grasp planning of 3D objects by extending 2D contour based algorithms. , 2008, , .		19
13	From Robot to Human Grasping Simulation. Cognitive Systems Monographs, 2014, , .	0.1	19
14	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
15	On the relevance of grasp metrics for predicting grasp success. , 2017, , .		17
16	Characterisation of Grasp Quality Metrics. Journal of Intelligent and Robotic Systems: Theory and Applications, 2018, 89, 319-342.	3.4	16
17	Non-Destructive Robotic Assessment of Mango Ripeness via Multi-Point Soft Haptics. , 2019, , .		15
18	Design and analysis of a variable-stiffness robotic gripper. AEJ - Alexandria Engineering Journal, 2022, 61, 1235-1248.	6.4	13

#	ARTICLE	IF	CITATIONS
19	Task-based Grasp Adaptation on a Humanoid Robot. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 779-786.	0.4	12
20	Contact-based blind grasping of unknown objects. , 2012, , .		12
21	Robot Grasping Foundations. Cognitive Systems Monographs, 2014, , 15-31.	0.1	9
22	A solution for the cap unscrewing task with a dual arm sensor-based system. , 2014, , .		8
23	Characterization of grasp quality measures for evaluating robotic hands prehension. , 2014, , .		8
24	Visual tracking of a jaw gripper based on articulated 3D models for grasping. , 2010, , .		7
25	Embodiment independent manipulation through action abstraction. , 2010, , .		7
26	Towards a Realistic and Self-Contained Biomechanical Model of the Hand. , 0, , .		7
27	Simulation of tactile sensors using soft contacts for robot grasping applications. , 2012, , .		7
28	Multi-sensor and prediction fusion for contact detection and localization. , 2014, , .		7
29	Symbol grounding through robotic manipulation in cognitive systems. Robotics and Autonomous Systems, 2007, 55, 851-859.	5.1	6
30	Evaluation of prosthetic hands prehension using grasp quality measures. , 2013, , .		6
31	Mobile Manipulation Hackathon: Moving into Real World Applications. IEEE Robotics and Automation Magazine, 2021, 28, 112-124.	2.0	6
32	A 3D grasping system based on multimodal visual and tactile processing. Industrial Robot, 2009, 36, 365-369.	2.1	5
33	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
34	Simulation of robot dynamics for grasping and manipulation tasks. , 2012, , .		4
35	Comparison between grasp quality metrics and the anthropomorphism index for the evaluation of artificial hands. , 2016, , .		4
36	Sensors and Methods for the Evaluation of Grasping. Mechanisms and Machine Science, 2013, , 77-104.	0.5	4

#	ARTICLE	IF	CITATIONS
37	ROBUST GRASPING OF 3D OBJECTS WITH STEREO VISION AND TACTILE FEEDBACK. , 2008, , .		4
38	Contact localization through robot and object motion from point clouds. , 2013, , .		3
39	Grasp quality metrics for robot hands benchmarking. , 2014, , .		3
40	Tombatossals: A humanoid torso for autonomous sensor-based tasks. , 2015, , .		3
41	UJI RobInLab's approach to the Amazon Robotics Challenge 2017. , 2017, , .		3
42	Analysis of Variable-Stiffness Soft Finger Joints. Advances in Intelligent Systems and Computing, 2019, , 334-345.	0.6	3
43	A Practical Approach for Picking Items in an Online Shopping Warehouse. Applied Sciences (Switzerland), 2021, 11, 5805.	2.5	3
44	Validation of Features for Characterizing Robot Grasps. Lecture Notes in Computer Science, 2003, , 193-200.	1.3	2
45	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
46	Hierarchical object recognition inspired by primate brain mechanisms. , 2011, , .		0
47	Applications of Robot Grasping Simulation. Cognitive Systems Monographs, 2014, , 67-119.	0.1	0
48	Grasping Strategies for Picking Items in an Online Shopping Warehouse. Advances in Intelligent Systems and Computing, 2019, , 775-785.	0.6	0