Lucas Ferrari Gerez

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3830929/publications.pdf

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23	231	1478505	1588992
papers	citations	6 h-index	8 g-index

23	23	23	208
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	On the Development of Adaptive, Tendon-Driven, Wearable Exo-Gloves for Grasping Capabilities Enhancement. IEEE Robotics and Automation Letters, 2019, 4, 422-429.	5.1	49
2	A Soft Exoglove Equipped With a Wearable Muscle-Machine Interface Based on Forcemyography and Electromyography. IEEE Robotics and Automation Letters, 2019, 4, 3240-3246.	5.1	32
3	A Hybrid, Wearable Exoskeleton Glove Equipped With Variable Stiffness Joints, Abduction Capabilities, and a Telescopic Thumb. IEEE Access, 2020, 8, 173345-173358.	4.2	24
4	A Hybrid, Soft Exoskeleton Glove Equipped with a Telescopic Extra Thumb and Abduction Capabilities. , 2020, , .		22
5	On Alternative Uses of Structural Compliance for the Development of Adaptive Robot Grippers and Hands. Frontiers in Neurorobotics, 2019, 13, 91.	2.8	20
6	A Tendon-Driven, Preloaded, Pneumatically Actuated, Soft Robotic Gripper with a Telescopic Palm. , 2020, , .		14
7	Improving Robotic Manipulation Without Sacrificing Grasping Efficiency: A Multi-Modal, Adaptive Gripper With Reconfigurable Finger Bases. IEEE Access, 2021, 9, 83298-83308.	4.2	14
8	A Pneumatically Driven, Disposable, Soft Robotic Gripper Equipped With Multi-Stage, Retractable, Telescopic Fingers. IEEE Transactions on Medical Robotics and Bionics, 2021, 3, 573-582.	3.2	10
9	A Compact Ratchet Clutch Mechanism for Fine Tendon Termination and Adjustment. , 2018, , .		7
10	Employing Magnets to Improve the Force Exertion Capabilities of Adaptive Robot Hands in Precision Grasps. , 2019, , .		7
11	An Underactuated, Tendon-Driven, Wearable Exo-Glove With a Four-Output Differential Mechanism. , 2019, 2019, 6224-6228.		7
12	Employing Pneumatic, Telescopic Actuators for the Development of Soft and Hybrid Robotic Grippers. Frontiers in Robotics and AI, 2020, 7, 601274.	3.2	6
13	A Hybrid, Encompassing, Three-Fingered Robotic Gripper Combining Pneumatic Telescopic Mechanisms and Rigid Claws. , 2020, , .		4
14	On Differential Mechanisms for Underactuated, Lightweight, Adaptive Prosthetic Hands. Frontiers in Neurorobotics, 2021, 15, 702031.	2.8	4
15	Employing IMU and ArUco Marker Based Tracking to Decode the Contact Forces Exerted by Adaptive Hands. , 2019, , .		3
16	A Pneumatically Driven, Disposable, Soft Robotic Gripper Equipped with Retractable, Telescopic Fingers. , 2020, , .		3
17	Adaptive, Tendon-Driven, Affordable Prostheses for Partial Hand Amputations: On Body-Powered and Motor Driven Implementations. , 2019, 2019, 6656-6660.		2
18	A Multi-Modal Robotic Gripper with a Reconfigurable Base: Improving Dexterous Manipulation without Compromising Grasping Efficiency. , 2021, , .		2

#	Article	IF	Citations
19	Unconventional Uses of Structural Compliance in Adaptive Hands. , 2019, , .		1
20	Leveraging Human Perception in Robot Grasping and Manipulation Through Crowdsourcing and Gamification. Frontiers in Robotics and AI, 2021, 8, 652760.	3.2	0
21	Development of a wrist-hand orthosis for children with neurological and motor disabilities: conceptual design and mock-up. , 2017, , .		0
22	Model-Free, Vision-Based Object Identification and Contact Force Estimation with a Hyper-Adaptive Robotic Gripper. , 2020, , .		0
23	A Hybrid, Soft Robotic Exoskeleton Glove with Inflatable, Telescopic Structures and a Shared Control Operation Scheme. , 2022, , .		0