

Carlo Canali

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1613020/publications.pdf>

Version: 2024-02-01

35
papers

189
citations

1478505

6
h-index

1372567

10
g-index

35
all docs

35
docs citations

35
times ranked

241
citing authors

#	ARTICLE	IF	CITATIONS
1	In-hand precise twisting and positioning by a novel dexterous robotic gripper for industrial high-speed assembly. , 2014, , .		33
2	Deep Endoscope: Intelligent Duct Inspection for the Avionic Industry. IEEE Transactions on Industrial Informatics, 2018, 14, 1701-1711.	11.3	20
3	Design of a novel dexterous robotic gripper for in-hand twisting and positioning within assembly automation. Assembly Automation, 2015, 35, 259-268.	1.7	17
4	A dexterous gripper for in-hand manipulation. , 2016, , .		15
5	Reconfigurable inspection robot for industrial applications. Procedia Manufacturing, 2019, 38, 597-604.	1.9	10
6	A novel bio-inspired modular gripper for in-hand manipulation. , 2015, , .		9
7	Design and Analysis of a Fully Actuated Cable-Driven Joint for Hyper-Redundant Robots With Optimal Cable Routing. Journal of Mechanisms and Robotics, 2022, 14, .	2.2	9
8	Storage of an electron plasma in a sextupole radial antihydrogen trap. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 360, 141-148.	2.1	8
9	Design of a Novel Long-Reach Cable-Driven Hyper-Redundant Snake-like Manipulator for Inspection and Maintenance. Applied Sciences (Switzerland), 2022, 12, 3348.	2.5	8
10	A study on data-driven in-hand twisting process using a novel dexterous robotic gripper for assembly automation. , 2014, , .		7
11	The AEgIS Experiment. Hyperfine Interactions, 2014, 228, 121-131.	0.5	6
12	Design of an industrial robotic gripper for precise twisting and positioning in high-speed assembly. , 2013, , .		5
13	Ultracold antiprotons by indirect laser cooling. Hyperfine Interactions, 2009, 194, 77-83.	0.5	4
14	Theoretical and kinematic solution of high reconfigurable grasping for industrial manufacturing. , 2013, , .		4
15	AEgIS experiment: Towards antihydrogen beam production for antimatter gravity measurements. European Physical Journal D, 2014, 68, 1.	1.3	4
16	Measuring the gravitational free-fall of antihydrogen. Hyperfine Interactions, 2014, 228, 151-157.	0.5	4
17	Theoretical and Kinematic Solution of High Reconfigurable Grasping for Industrial Manufacturing. Procedia Manufacturing, 2017, 11, 265-274.	1.9	4
18	Dexclar: A gripper platform for payload-centric manipulation and dexterous applications. , 2017, , .		4

#	ARTICLE	IF	CITATIONS
19	Origami Carton Folding Analysis Using Flexible Panels. Mechanisms and Machine Science, 2016, , 95-106.	0.5	3
20	Modeling Cable-Driven Joint Dynamics and Friction: a Bond-Graph Approach. , 2020, , .		3
21	Spectroscopy of Os-and a route to laser-cooled negative ions. Journal of Physics: Conference Series, 2009, 194, 152022.	0.4	2
22	A Novel Reconfigurable Modular Gripper for In-Hand Object Manipulation and Release With Appropriate Posture. , 2016, , .		2
23	Novel Integrated Robotic System for Tiny Duct Inspection. Procedia Manufacturing, 2018, 17, 342-349.	1.9	2
24	Design of the Crawler Units: Toward the Development of a Novel Hybrid Platform for Infrastructure Inspection. Applied Sciences (Switzerland), 2022, 12, 5579.	2.5	2
25	Error recovery strategies for electronic connectors mating in robotic fault-tolerant assembly system. , 2014, , .		1
26	Rivet inspection with multi-sensor robotic system. , 2020, , .		1
27	Preliminary Study on the Crawler Unit of a Novel Self-Reconfigurable Hybrid Platform for Inspection. , 2021, , .		1
28	Static Elasticity Compensation via Recursive Artificial Neural Network for Long-Reach Cable-Driven Hyper-Redundant Manipulators. , 2021, , .		1
29	Particle manipulation techniques in AEgIS. Hyperfine Interactions, 2011, 199, 49-57.	0.5	0
30	A novel parallelly actuated bio-inspired modular limb. , 2015, , .		0
31	KARL: A new bio-inspired modular limb for robotic applications. , 2015, , .		0
32	Towards Multi-Body Analyses for Advanced Flexible Robotic Systems. , 2017, , .		0
33	Dexterous Gripper Synthesis From Modular Finger Approach. , 2017, , .		0
34	FLEGX: A bioinspired design for a jumping humanoid leg. , 2017, , .		0
35	Dexterous Gripper for In-Hand Manipulation with Embedded Object Localization Algorithm. Procedia Manufacturing, 2019, 38, 1354-1361.	1.9	0