

Khaled Elgeneidy

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

412
citations

1478505

6
h-index

1872680

6
g-index

17
all docs

17
docs citations

17
times ranked

499
citing authors

#	ARTICLE	IF	CITATIONS
1	Bending angle prediction and control of soft pneumatic actuators with embedded flex sensors – A data-driven approach. <i>Mechatronics</i> , 2018, 50, 234-247.	3.3	168
2	Soft pneumatic grippers embedded with stretchable electroadhesion. <i>Smart Materials and Structures</i> , 2018, 27, 055006.	3.5	108
3	Directly Printable Flexible Strain Sensors for Bending and Contact Feedback of Soft Actuators. <i>Frontiers in Robotics and AI</i> , 2018, 5, 2.	3.2	53
4	Characterising 3D-printed Soft Fin Ray Robotic Fingers with Layer Jamming Capability for Delicate Grasping. , 2019, , .		27
5	Data-Driven Bending Angle Prediction of Soft Pneumatic Actuators with Embedded Flex Sensors. <i>IFAC-PapersOnLine</i> , 2016, 49, 513-520.	0.9	14
6	Structural Optimization of Adaptive Soft Fin Ray Fingers with Variable Stiffening Capability. , 2020, , .		10
7	A Deep Learning Method for Vision Based Force Prediction of a Soft Fin Ray Gripper Using Simulation Data. <i>Frontiers in Robotics and AI</i> , 2021, 8, 631371.	3.2	10
8	Grasping Unknown Objects Based on Gripper Workspace Spheres. , 2019, , .		8
9	Towards an automated masking process: A model-based approach. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2019, 233, 1923-1933.	2.4	6
10	Contact Detection and Size Estimation Using a Modular Soft Gripper with Embedded Flex Sensors. , 2018, , .		5
11	Optimising Soft Fin Ray Robotic Fingers using Finite Element Analysis to Reduce Object Slippage. , 2020, , .		2
12	Experimental Analysis of the Bending Response of Soft Gripper Fingers. , 2016, , .		1
13	Development of a Hybrid Technique Utilising Image Processing and Fuzzy Logic for Dynamically Detecting a Movable Colour Object. <i>Applied Mechanics and Materials</i> , 2013, 389, 734-739.	0.2	0
14	Application of Image Processing and Fuzzy Logic to Mobile Robots Providing Assistance to Fire Fighters. <i>Applied Mechanics and Materials</i> , 2013, 389, 740-746.	0.2	0
15	Experimental Analysis of Soft Vacuum Cups for Automated Mushroom Picking. , 2020, , .		0
16	3D Printed Variable Infill Soft Fingers for the SIMPA Prosthetic Arm. , 2020, , .		0