# Khaled Elgeneidy

List of Publications by Year
in descending order



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