

Matthew A Robertson

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

603
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1306789

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732
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | 3D Printed Motor-Sensory Module Prototype for Facial Rehabilitation. <i>Soft Robotics</i> , 2022, 9, 354-363. | 4.6 | 3 |
| 2 | Soft pneumatic actuator-driven origami-inspired modular robotic "œpneumagami" International Journal of Robotics Research, 2021, 40, 72-85. | 5.8 | 34 |
| 3 | Bi-modal control of vacuum-powered soft pneumatic actuators with embedded liquid metal-based strain sensitive skin. , 2019, , . | | 4 |
| 4 | RoboScallop: A Bivalve Inspired Swimming Robot. <i>IEEE Robotics and Automation Letters</i> , 2019, 4, 2078-2085. | 3.3 | 21 |
| 5 | A Compact Modular Soft Surface With Reconfigurable Shape and Stiffness. <i>IEEE/ASME Transactions on Mechatronics</i> , 2019, 24, 16-24. | 3.7 | 22 |
| 6 | Vibration of suspended solid-timber slabs without intermediate support: assessment for human comfort. <i>Australian Journal of Structural Engineering</i> , 2018, 19, 266-278. | 0.4 | 6 |
| 7 | Modeling vacuum bellows soft pneumatic actuators with optimal mechanical performance. , 2018, , . | | 35 |
| 8 | JammJoint: A Variable Stiffness Device Based on Granular Jamming for Wearable Joint Support. <i>IEEE Robotics and Automation Letters</i> , 2017, 2, 849-855. | 3.3 | 80 |
| 9 | New soft robots really suck: Vacuum-powered systems empower diverse capabilities. <i>Science Robotics</i> , 2017, 2, . | 9.9 | 253 |
| 10 | Design and Computational Modeling of a Modular, Compliant Robotic Assembly for Human Lumbar Unit and Spinal Cord Assistance. <i>Scientific Reports</i> , 2017, 7, 14391. | 1.6 | 32 |
| 11 | Soft Pneumatic Actuator Fascicles for High Force and Reliability. <i>Soft Robotics</i> , 2017, 4, 23-32. | 4.6 | 113 |