

# Amir Ali Amiri Moghadam

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

491  
citations

1040056

9  
h-index

794594

19  
g-index

21  
all docs

21  
docs citations

21  
times ranked

669  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Evolution of 3D printed soft actuators. <i>Sensors and Actuators A: Physical</i> , 2016, 250, 258-272.  | 4.1  | 232       |
| 2  | Laser Cutting as a Rapid Method for Fabricating Thin Soft Pneumatic Actuators and Robots. <i>Soft Robotics</i> , 2018, 5, 443-451.  | 8.0  | 58        |
| 3  | Development of a novel soft parallel robot equipped with polymeric artificial muscles. <i>Smart Materials and Structures</i> , 2015, 24, 035017.  | 3.5  | 48        |
| 4  | Nonlinear dynamic modeling of ionic polymer conductive network composite actuators using rigid finite element method. <i>Sensors and Actuators A: Physical</i> , 2014, 217, 168-182.  | 4.1  | 24        |
| 5  | Modelling and robust control of a soft robot based on conjugated polymer actuators. <i>International Journal of Modelling, Identification and Control</i> , 2011, 14, 216.  | 0.2  | 16        |
| 6  | Control-Oriented Modeling of a Polymeric Soft Robot. <i>Soft Robotics</i> , 2016, 3, 82-97.   | 8.0  | 14        |
| 7  | Rigid elements dynamics modeling of a 3D printed soft actuator. <i>Smart Materials and Structures</i> , 2019, 28, 025003.   | 3.5  | 14        |
| 8  | Finite element modelling and robust control of fast trilayer polypyrrole bending actuators. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2011, 35, 281-305.   | 0.6  | 10        |
| 9  | Nonlinear large deformation dynamic analysis of electroactive polymer actuators. <i>Smart Structures and Systems</i> , 2015, 15, 1601-1623.   | 1.9  | 10        |
| 10 | Toward Development of Inflatable Stents with Application in Endovascular Treatments. <i>Advanced Functional Materials</i> , 2018, 28, 1804147.  | 14.9 | 9         |
| 11 | Analytical dynamic modeling of fast trilayer polypyrrole bending actuators. <i>Smart Materials and Structures</i> , 2011, 20, 115020.   | 3.5  | 8         |
| 12 | Dynamic modeling and robust control of an L-shaped microrobot based on fast trilayer polypyrrole-bending actuators. <i>Journal of Intelligent Material Systems and Structures</i> , 2013, 24, 484-498.                          | 2.5  | 8         |
| 13 | Micropatterning of Nonplanar Surfaces on 3D Devices Using Conformal Template Vacuum Bagging. <i>Advanced Materials Technologies</i> , 2018, 3, 1700353.   | 5.8  | 7         |
| 14 | Using Soft Robotic Technology to Fabricate a Proof-of-Concept Transcatheter Tricuspid Valve Replacement (TTVR) Device. <i>Advanced Materials Technologies</i> , 2019, 4, 1800610.   | 5.8  | 7         |
| 15 | Development of a Novel Six DOF Soft Parallel Robot. , 2022, , .   |      | 6         |
| 16 | Equivalent dynamic thermoviscoelastic modeling of ionic polymers. <i>Polymers for Advanced Technologies</i> , 2015, 26, 385-391.  | 3.2  | 5         |
| 17 | Robust control of conjugated polymer actuators considering the spatio-temporal dynamics. <i>Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering</i> , 2012, 226, 806-822. | 1.0  | 4         |
| 18 | Establishment of temperature control scheme for microbioreactor operation using integrated microheater. <i>Microsystem Technologies</i> , 2015, 21, 415-428.  | 2.0  | 4         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Development of Novel Three-Dimensional Soft Parallel Robot. , 2021, , .   |     | 4         |
| 20 | Advanced Manufacturing of Patientâ€¢Specific Occluders for the Left Atrial Appendage with Minimally Invasive Delivery. Advanced Engineering Materials, 2020, 22, 1901074. | 3.5 | 2         |
| 21 | Rapid Manufacturing of Thin Soft Pneumatic Actuators and Robots. Journal of Visualized Experiments, 2019, , .   | 0.3 | 1         |