

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	Development of a Novel Six DOF Soft Parallel Robot. , 2022, , .		6
2	Development of Novel Three-Dimensional Soft Parallel Robot. , 2021, , .		4
3	Advanced Manufacturing of Patientâ€™s Specific Occluders for the Left Atrial Appendage with Minimally Invasive Delivery. <i>Advanced Engineering Materials</i> , 2020, 22, 1901074.	3.5	2
4	Using Soft Robotic Technology to Fabricate a Proofâ€™ofâ€™Concept Transcatheter Tricuspid Valve Replacement (TTVR) Device. <i>Advanced Materials Technologies</i> , 2019, 4, 1800610.	5.8	7
5	Rapid Manufacturing of Thin Soft Pneumatic Actuators and Robots. <i>Journal of Visualized Experiments</i> , 2019, , .	0.3	1
6	Rigid elements dynamics modeling of a 3D printed soft actuator. <i>Smart Materials and Structures</i> , 2019, 28, 025003.	3.5	14
7	Micropatterning of Nonplanar Surfaces on 3D Devices Using Conformal Template Vacuum Bagging. <i>Advanced Materials Technologies</i> , 2018, 3, 1700353.	5.8	7
8	Toward Development of Inflatable Stents with Application in Endovascular Treatments. <i>Advanced Functional Materials</i> , 2018, 28, 1804147.	14.9	9
9	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
10	Evolution of 3D printed soft actuators. <i>Sensors and Actuators A: Physical</i> , 2016, 250, 258-272.	4.1	232
11	Control-Oriented Modeling of a Polymeric Soft Robot. <i>Soft Robotics</i> , 2016, 3, 82-97.	8.0	14
12	Development of a novel soft parallel robot equipped with polymeric artificial muscles. <i>Smart Materials and Structures</i> , 2015, 24, 035017.	3.5	48
13	Equivalent dynamic thermoviscoelastic modeling of ionic polymers. <i>Polymers for Advanced Technologies</i> , 2015, 26, 385-391.	3.2	5
14	Establishment of temperature control scheme for microbioreactor operation using integrated microheater. <i>Microsystem Technologies</i> , 2015, 21, 415-428.	2.0	4
15	Nonlinear large deformation dynamic analysis of electroactive polymer actuators. <i>Smart Structures and Systems</i> , 2015, 15, 1601-1623.	1.9	10
16	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
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Modelling and robust control of a soft robot based on conjugated polymer actuators. International Journal of Modelling, Identification and Control, 2011, 14, 216.	0.2	16
20	Finite element modelling and robust control of fast trilayer polypyrrole bending actuators. International Journal of Applied Electromagnetics and Mechanics, 2011, 35, 281-305.	0.6	10
21	Analytical dynamic modeling of fast trilayer polypyrrole bending actuators. Smart Materials and Structures, 2011, 20, 115020.	3.5	8