

Aaron P Gerratt

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

850
citations

933447

10
h-index

1125743

13
g-index

21
all docs

21
docs citations

21
times ranked

1660
citing authors

#	ARTICLE	IF	CITATIONS
1	Elastomeric Electronic Skin for Prosthetic Tactile Sensation. <i>Advanced Functional Materials</i> , 2015, 25, 2287-2295.	14.9	321
2	Intrinsically Stretchable Biphasic (Solid-Liquid) Thin Metal Films. <i>Advanced Materials</i> , 2016, 28, 4507-4512.	21.0	190
3	Closed-Loop Haptic Feedback Control Using a Self-Sensing Soft Pneumatic Actuator Skin. <i>Soft Robotics</i> , 2020, 7, 22-29.	8.0	98
4	Incorporating compliant elastomers for jumping locomotion in microrobots. <i>Smart Materials and Structures</i> , 2013, 22, 014010.	3.5	32
5	Friction, adhesion and wear properties of PDMS films on silicon sidewalls. <i>Journal of Micromechanics and Microengineering</i> , 2011, 21, 105013.	2.6	30
6	Thin Hydrogelâ€Elastomer Multilayer Encapsulation for Soft Electronics. <i>Advanced Materials Technologies</i> , 2019, 4, 1900331.	5.8	28
7	First leaps toward jumping microrobots. , 2011, , .		27
8	Dielectric breakdown of PDMS thin films. <i>Journal of Micromechanics and Microengineering</i> , 2013, 23, 067001.	2.6	26
9	SOI/elastomer process for energy storage and rapid release. <i>Journal of Micromechanics and Microengineering</i> , 2010, 20, 104011.	2.6	23
10	Dielectric elastomer actuators fabricated using a micro-molding process. <i>Smart Materials and Structures</i> , 2014, 23, 055004.	3.5	22
11	<i>In situ</i> characterization of PDMS in SOI-MEMS. <i>Journal of Micromechanics and Microengineering</i> , 2013, 23, 045003.	2.6	18
12	Microfabrication of compliant all-polymer MEMS thermal actuators. <i>Sensors and Actuators A: Physical</i> , 2012, 177, 16-22.	4.1	6
13	A multi-material milli-robot prototyping process. , 2009, , .		5
14	Integrated silicon-PDMS process for microrobot mechanisms. , 2010, , .		5
15	Biphasic Metal Films: Intrinsically Stretchable Biphasic (Solidâ€ELiquid) Thin Metal Films (<i>Adv. Mater.</i>) Tj ETQq1 1 0.784314 rgBT /Ove 21.0 3	21.0	3
16	Batch fabricated bidirectional dielectric elastomer actuators. , 2011, , .		4
17	Soft polymer MEMS. , 2011, , .		3
18	Friction, adhesion, and wear properties of PDMS coatings in MEMS devices. , 2011, , .		3

#	ARTICLE	IF	CITATIONS
19	Characterization of a micromachined parylene-based thermal C-shape actuator. Journal of Micromechanics and Microengineering, 2011, 21, 095028.	2.6	2
20	Efficient electrostatic inchworm motors with simple control and high force density. , 2011, , .		2
21	Progress Toward Mobility in Microfabricated Millirobots. Lecture Notes in Computer Science, 2014, , 39-52.	1.3	0