Daniel M Vogt

List of Publications by Year
in descending order

22 papers	4,017 citations	471509 17 h-index	794594 19 g-index
23 all docs	23 docs citations	23 times ranked	5543 citing authors

#	Article	IF	Citations
1	Embedded 3D Printing of Strain Sensors within Highly Stretchable Elastomers. Advanced Materials, 2014, 26, 6307-6312.	21.0	1,314
2	Fluid-driven origami-inspired artificial muscles. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 13132-13137.	7.1	499
3	Soft Somatosensitive Actuators via Embedded 3D Printing. Advanced Materials, 2018, 30, e1706383.	21.0	398
4	Capacitive Soft Strain Sensors via Multicoreâ€“Shell Fiber Printing. Advanced Materials, 2015, 27, 2440-2446.	21.0	372
5	Batch Fabrication of Customizable Siliconeâ€Textile Composite Capacitive Strain Sensors for Human Motion Tracking. Advanced Materials Technologies, 2017, 2, 1700136.	5.8	301
6	Design and Characterization of a Soft Multi-Axis Force Sensor Using Embedded Microfluidic Channels. IEEE Sensors Journal, 2013, 13, 4056-4064.	4.7	240
7	Ultragentle manipulation of delicate structures using a soft robotic gripper. Science Robotics, 2019, 4, .	17.6	186
8	Compact Dielectric Elastomer Linear Actuators. Advanced Functional Materials, 2018, 28, 1804328.	14.9	157
9	A Dexterous, Glove-Based Teleoperable Low-Power Soft Robotic Arm for Delicate Deep-Sea Biological Exploration. Scientific Reports, 2018, 8, 14779.	3.3	98
10	A Wearable Soft Haptic Communicator Based on Dielectric Elastomer Actuators. Soft Robotics, 2020, 7, 451-461.	8.0	93
11	Undulatory Swimming Performance and Body Stiffness Modulation in a Soft Robotic Fish-Inspired Physical Model. Soft Robotics, 2017, 4, 202-210.	8.0	82
12	Biocompatible Soft Fluidic Strain and Force Sensors for Wearable Devices. Advanced Functional Materials, 2019, 29, 1807058.	14.9	70
13	Shipboard design and fabrication of custom 3D-printed soft robotic manipulators for the investigation of delicate deep-sea organisms. PLoS ONE, 2018, 13, e0200386.	2.5	58
14	Ultrastrong and Highâ€Stroke Wireless Soft Actuators through Liquidâ€“Gas Phase Change. Advanced Materials Technologies, 2019, 4, 1800381.	5.8	36
15	Smart Thermally Actuating Textiles. Advanced Materials Technologies, 2020, 5, 2000383.	5.8	35
16	Tension Pistons: Amplifying Piston Force Using Fluidâ€Induced Tension in Flexible Materials. Advanced Functional Materials, 2019, 29, 1901419.	14.9	21
17	Soft Robotics: Soft Somatosensitive Actuators via Embedded 3D Printing (Adv. Mater. 15/2018). Advanced Materials, 2018, 30, 1870106.	21.0	12
18	Soft Sensors for Curvature Estimation under Water in a Soft Robotic Fish. , 2019, , .		10

#	Article	IF	Citations
19	Ultra-gentle soft robotic fingers induce minimal transcriptomic response in a fragile marine animal. Current Biology, 2020, 30, R157-R158.	3.9	9
20	Wrist angle measurements using soft sensors. , 2014, , .		6
21	Actuators: Tension Pistons: Amplifying Piston Force Using Fluidâ€Induced Tension in Flexible Materials (Adv. Funct. Mater. 30/2019). Advanced Functional Materials, 2019, 29, 1970208.	14.9	0
22	Robotic Textiles: Smart Thermally Actuating Textiles (Adv. Mater. Technol. 8/2020). Advanced Materials Technologies, 2020, 5, 2070050.	5.8	0