

# Ryan L Truby

## List of Publications by Year in descending order

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22  
papers

8,160  
citations

471509

17  
h-index

677142

22  
g-index

23  
all docs

23  
docs citations

23  
times ranked

11212  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Recipe for Electrically-Driven Soft Robots via 3D Printed Handed Shearing Auxetics. IEEE Robotics and Automation Letters, 2021, 6, 795-802.	5.1	18
2	Designing Soft Robots as Robotic Materials. Accounts of Materials Research, 2021, 2, 854-857.	11.7	18
3	Data-Driven Disturbance Observers for Estimating External Forces on Soft Robots. IEEE Robotics and Automation Letters, 2020, 5, 5717-5724.	5.1	42
4	Integrating chemical fuels and artificial muscles for untethered microrobots. Science Robotics, 2020, 5, .	17.6	17
5	Distributed Proprioception of 3D Configuration in Soft, Sensorized Robots via Deep Learning. IEEE Robotics and Automation Letters, 2020, 5, 3299-3306.	5.1	104
6	Soft Robotic Fingers with Embedded Ionogel Sensors and Discrete Actuation Modes for Somatosensitive Manipulation. , 2019, , .		47
7	Biomanufacturing of organ-specific tissues with high cellular density and embedded vascular channels. Science Advances, 2019, 5, eaaw2459.	10.3	563
8	Shape-shifting structured lattices via multimaterial 4D printing. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 20856-20862.	7.1	257
9	Soft Somatosensitive Actuators via Embedded 3D Printing. Advanced Materials, 2018, 30, e1706383.	21.0	398
10	Viscoplastic Matrix Materials for Embedded 3D Printing. ACS Applied Materials & Interfaces, 2018, 10, 23353-23361.	8.0	167
11	Soft Robotics: Soft Somatosensitive Actuators via Embedded 3D Printing (Adv. Mater. 15/2018). Advanced Materials, 2018, 30, 1870106.	21.0	12
12	3D Printing of Liquid Crystal Elastomeric Actuators with Spatially Programed Nematic Order. Advanced Materials, 2018, 30, 1706164.	21.0	467
13	Printing soft matter in three dimensions. Nature, 2016, 540, 371-378.	27.8	1,134
14	An integrated design and fabrication strategy for entirely soft, autonomous robots. Nature, 2016, 536, 451-455.	27.8	1,557
15	3D Printing: Embedded 3D Printing of Strain Sensors within Highly Stretchable Elastomers (Adv.) Tj ETQq1 1 0.784314 rgBT /Qverlock 15	21.0	15
16	3D Bioprinting of Vascularized, Heterogeneous Cell-Laden Tissue Constructs. Advanced Materials, 2014, 26, 3124-3130.	21.0	1,686
17	Bioprinting: 3D Bioprinting of Vascularized, Heterogeneous Cell-Laden Tissue Constructs (Adv. Mater.) Tj ETQq1 1 0.784314 rgBT /Qverlock 26	21.0	26
18	Contrast-enhanced magneto-photo-acoustic imaging in vivo using dual-contrast nanoparticles. Photoacoustics, 2014, 2, 55-62.	7.8	22

#	ARTICLE	IF	CITATIONS
19	Embedded 3D Printing of Strain Sensors within Highly Stretchable Elastomers. <i>Advanced Materials</i> , 2014, 26, 6307-6312.	21.0	1,314
20	In vivo pulsed magneto-motive ultrasound imaging using high-performance magnetoactive contrast nanoagents. <i>Nanoscale</i> , 2013, 5, 11179.	5.6	48
21	Ligand-Mediated Self-Assembly of Hybrid Plasmonic and Superparamagnetic Nanostructures. <i>Langmuir</i> , 2013, 29, 2465-2470.	3.5	29
22	Silver Nanoplate Contrast Agents for <i>in Vivo</i> Molecular Photoacoustic Imaging. <i>ACS Nano</i> , 2012, 6, 641-650.	14.6	212