

# Yichao Tang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5282870/publications.pdf>

Version: 2024-02-01

15  
papers

1,226  
citations

686830

13  
h-index

1058022

14  
g-index

15  
all docs

15  
docs citations

15  
times ranked

1433  
citing authors

#	ARTICLE	IF	CITATIONS
1	Leveraging elastic instabilities for amplified performance: Spine-inspired high-speed and high-force soft robots. <i>Science Advances</i> , 2020, 6, eaaz6912.	4.7	237
2	Programmable Kirigami Metamaterials. <i>Advanced Materials</i> , 2017, 29, 1604262.	11.1	211
3	Design of Hierarchically Cut Hinges for Highly Stretchable and Reconfigurable Metamaterials with Enhanced Strength. <i>Advanced Materials</i> , 2015, 27, 7181-7190.	11.1	151
4	Bistable and Multistable Actuators for Soft Robots: Structures, Materials, and Functionalities. <i>Advanced Materials</i> , 2022, 34, e2110384.	11.1	133
5	Switchable Adhesion Actuator for Amphibious Climbing Soft Robot. <i>Soft Robotics</i> , 2018, 5, 592-600.	4.6	112
6	Kirigami-Inspired Nanoconfined Polymer Conducting Nanosheets with 2000% Stretchability. <i>Advanced Materials</i> , 2018, 30, e1706390.	11.1	94
7	Programmable active kirigami metasheets with more freedom of actuation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 26407-26413.	3.3	90
8	Stronger artificial muscles, with a twist. <i>Science</i> , 2019, 365, 125-126.	6.0	54
9	Leveraging Monostable and Bistable Pre-Curved Bilayer Actuators for High-Performance Multitask Soft Robots. <i>Advanced Materials Technologies</i> , 2020, 5, 2000370.	3.0	47
10	Miniature coiled artificial muscle for wireless soft medical devices. <i>Science Advances</i> , 2022, 8, eabm5616.	4.7	32
11	Spontaneous Periodic Delamination of Thin Films To Form Crack-Free Metal and Silicon Ribbons with High Stretchability. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 44938-44947.	4.0	24
12	Kirigami-Inspired Stretchable Conjugated Electronics. <i>Advanced Electronic Materials</i> , 2020, 6, 1900929.	2.6	18
13	Design of Multifunctional Soft Doming Actuator for Soft Machines. <i>Advanced Materials Technologies</i> , 2018, 3, 1800069.	3.0	14
14	Cuts Guided Deterministic Buckling in Arrays of Soft Parallel Plates for Multifunctionality. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 29345-29354.	4.0	9
15	Soft Robotics: Design of Multifunctional Soft Doming Actuator for Soft Machines (Adv. Mater.)	3.0	10