

Yichao Tang

List of Publications by Year in descending order

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15
papers

1,226
citations

687363

13
h-index

1058476

14
g-index

15
all docs

15
docs citations

15
times ranked

1433
citing authors

#	ARTICLE	IF	CITATIONS
1	Miniature coiled artificial muscle for wireless soft medical devices. <i>Science Advances</i> , 2022, 8, eabm5616.	10.3	32
2	Bistable and Multistable Actuators for Soft Robots: Structures, Materials, and Functionalities. <i>Advanced Materials</i> , 2022, 34, e2110384.	21.0	133
3	Kirigami-Inspired Stretchable Conjugated Electronics. <i>Advanced Electronic Materials</i> , 2020, 6, 1900929.	5.1	18
4	Leveraging elastic instabilities for amplified performance: Spine-inspired high-speed and high-force soft robots. <i>Science Advances</i> , 2020, 6, eaaz6912.	10.3	237
5	Leveraging Monostable and Bistable Pre-Curved Bilayer Actuators for High-Performance Multitask Soft Robots. <i>Advanced Materials Technologies</i> , 2020, 5, 2000370.	5.8	47
6	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.	7.1	90
7	Stronger artificial muscles, with a twist. <i>Science</i> , 2019, 365, 125-126.	12.6	54
8	Kirigami-Inspired Nanoconfined Polymer Conducting Nanosheets with 2000% Stretchability. <i>Advanced Materials</i> , 2018, 30, e1706390.	21.0	94
9	Design of Multifunctional Soft Doming Actuator for Soft Machines. <i>Advanced Materials Technologies</i> , 2018, 3, 1800069.	5.8	14
10	Switchable Adhesion Actuator for Amphibious Climbing Soft Robot. <i>Soft Robotics</i> , 2018, 5, 592-600.	8.0	112
11	Soft Robotics: Design of Multifunctional Soft Doming Actuator for Soft Machines (<i>Adv. Mater.</i>) Tj ETQq1 1 0.784314,rgBT /Oyerlock 10	5.8	10
12	Programmable Kirigami Metamaterials. <i>Advanced Materials</i> , 2017, 29, 1604262.	21.0	211
13	Cuts Guided Deterministic Buckling in Arrays of Soft Parallel Plates for Multifunctionality. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 29345-29354.	8.0	9
14	Spontaneous Periodic Delamination of Thin Films To Form Crack-Free Metal and Silicon Ribbons with High Stretchability. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 44938-44947.	8.0	24
15	Design of Hierarchically Cut Hinges for Highly Stretchable and Reconfigurable Metamaterials with Enhanced Strength. <i>Advanced Materials</i> , 2015, 27, 7181-7190.	21.0	151