Xiaoqing Tang

List of Publications by Year
in descending order

14	86	1937632 4	1872665 6
papers	citations	h-index	g-index

14	14	14	43
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Magnetically Driven Soft Continuum Microrobot for Intravascular Operations in Microscale. Cyborg and Bionic Systems, 2022, 2022, .	7.9	34
2	On-Chip Cellâ€“Cell Interaction Monitoring at Single-Cell Level by Efficient Immobilization of Multiple Cells in Adjustable Quantities. Analytical Chemistry, 2020, 92, 11607-11616.	6.5	16
3	Efficient Single-Cell Mechanical Measurement by Integrating a Cell Arraying Microfluidic Device With Magnetic Tweezer. IEEE Robotics and Automation Letters, 2021, 6, 2978-2984.	5.1	16
4	Vision-Based Automated Control of Magnetic Microrobots. Micromachines, 2022, 13, 337.	2.9	9
5	All-Purpose Magnetic Micromanipulation System With Two Modes: Chopstick-Like Two-Finger Microhand and Hydrodynamic Tweezer. IEEE/ASME Transactions on Mechatronics, 2022, 27, 1582-1593.	5.8	4
6	Microfluidic Device for Analyzing Self-adaption of Cancer Cell During Squeezing in channel. , 2018, , .		2
7	Stable Grasp and Accurate Release of Microbeads by a Two-finger Microhand. , 2018, , .		2
8	Magnetic Driven Two-Finger Micro-Hand with Soft Magnetic End-Effector for Force-Controlled Stable Manipulation in Microscale. Micromachines, 2021, 12, 410.	2.9	2
9	High-Throughput Microchannels for Single Cell Immobilization. , 2018, , .		1
10	Dexterous Vibrationless Micromanipulation by Magnetic-Field Driven Micro-gripper. , 2019, , .		0
11	Micro Channel for Analyzing Mechanical Adaption of Cancer Cell. , 2019, , .		0
12	In-Situ Bonding of Multi-Layer Microfluidic Devices Assisted by an Automated Alignment System. IEEE Robotics and Automation Letters, 2021, 6, 2611-2617.	5.1	0
13	Cross-Membrane Penetration to Nucleus of Adherent Cells Using Micropipettes Made by Borosilicate Glass and Quartz. , 2020, , .		0
14	Fully-Automated On-Chip Multi-Cell Arraying With Deterministic Quantities. IEEE Transactions on Automation Science and Engineering, 2022, 19, 724-734.	5.2	0