

# Xiao Yan

## List of Publications by Year in descending order

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Version: 2024-02-01

12  
papers

171  
citations

1937685

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2272923

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g-index

12  
all docs

12  
docs citations

12  
times ranked

131  
citing authors

#	ARTICLE	IF	CITATIONS
1	Stochastic Dynamic Trapping in Robotic Manipulation of Micro-Objects Using Optical Tweezers. IEEE Transactions on Robotics, 2016, 32, 499-512.	10.3	15
2	Robot-assisted optical trapping and manipulation of a biological cell with stochastic perturbations. , 2016, , .		2
3	Robotic manipulation of micro/nanoparticles using optical tweezers with velocity constraints and stochastic perturbations. , 2015, , .		7
4	Multilevel-Based Topology Design and Cell Patterning With Robotically Controlled Optical Tweezers. IEEE Transactions on Control Systems Technology, 2015, 23, 176-185.	5.2	32
5	Observer-Based Optical Manipulation of Biological Cells With Robotic Tweezers. IEEE Transactions on Robotics, 2014, 30, 68-80.	10.3	62
6	Dynamics analysis and automated control of cell chemotaxis movement using a robot-aided optical manipulation tool. , 2013, , .		1
7	Cell patterning with robotically controlled optical tweezers. , 2013, , .		1
8	Dynamic control of cell migration using optical tweezers and microfluidic channel. , 2012, , .		1
9	Multilevel-based topology design and shape control of robot swarms. Automatica, 2012, 48, 3122-3127.	5.0	46
10	Distributed multirobot shape control with a multilevel-based topology and market-based auction algorithm. , 2012, , .		1
11	Automated parallel cell isolation and deposition using microwell array and optical tweezers. , 2012, , .		2
12	Multilevel based topology design and formation control of robot swarms. , 2011, , .		1