

# Xiao Yan

## List of Publications by Year in descending order

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12  
papers

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1937685

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2272923

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docs citations

12  
times ranked

131  
citing authors

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