

# CITATION REPORT

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## Automated characterization and assembly of individual nanowires for device fabrication

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Lab on A Chip, 2018, 18, 1494-1503.

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#	Paper	IF	Citations
14	Real-time motion planning of multiple nanowires in fluid suspension under electric-field actuation. <i>International Journal of Intelligent Robotics and Applications</i> , <b>2018</b> , 2, 383-399	1.7	8
13	Automated Electric-Field-Based Nanowire Characterization, Manipulation, and Assembly. <b>2018</b> ,		3
12	High-Throughput Separation, Trapping, and Manipulation of Single Cells and Particles by Combined Dielectrophoresis at a Bipolar Electrode Array. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 11461-11469	7.8	42
11	Electrorotation of semiconducting microspheres. <i>Physical Review E</i> , <b>2019</b> , 100, 042616	2.4	10
10	Modeling the AC Electrokinetic Behavior of Semiconducting Spheres. <i>Micromachines</i> , <b>2019</b> , 10,	3.3	8
9	Dielectrophoretic manipulation of nanomaterials: A review. <i>Electrophoresis</i> , <b>2019</b> , 40, 873-889	3.6	20
8	Electrophoresis-Based Adaptive Tube Model Predictive Control of Micro- and Nanoparticles Motion in Fluid Suspension. <b>2020</b> ,		
7	Electrophoresis-Based Adaptive Manipulation of Nanowires in Fluid Suspension. <i>IEEE/ASME Transactions on Mechatronics</i> , <b>2020</b> , 25, 638-649	5.5	6
6	Microsphere-assisted manipulation of a single Ag nanowire. <i>Nanophotonics</i> , <b>2021</b> , 10, 2729-2736	6.3	0
5	Adaptive Tube Model Predictive Control of Micro- and Nanoparticles in Fluid Suspensions using Global External Fields. <b>2021</b> ,		1
4	SEM Image-Guided Manipulation with a Feedback Assistance System for Automated Nanohandling of a 4 DOF Micromanipulator. <i>Journal of Micromechanics and Microengineering</i> ,	2	0
3	Adaptive Tube Model Predictive Control for Manipulating Multiple Nanowires with Coupled Actuation in Fluid Suspension. <i>IFAC-PapersOnLine</i> , <b>2020</b> , 53, 8613-8618	0.7	1
2	Electrophoresis-Based Manipulation of Micro- and Nanoparticles in Fluid Suspensions. <b>2022</b> , 133-164		1
1	Informed Sampling-Based Motion Planning for Manipulating Multiple Micro Agents Using Global External Electric Fields. <i>IEEE Transactions on Automation Science and Engineering</i> , <b>2022</b> , 1-12	4.9	