

# Ming Luo

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

18  
papers

1,152  
citations

14  
h-index

18  
g-index

18  
ext. papers

1,375  
ext. citations

12.3  
avg, IF

4.67  
L-index

#	Paper	IF	Citations
18	Self-adaptive enzyme-powered micromotors with switchable propulsion mechanism and motion directionality. <i>Applied Physics Reviews</i> , <b>2021</b> , 8, 011406	17.3	17
17	Enhanced Propulsion of Urease-Powered Micromotors by Multilayered Assembly of Ureasases on Janus Magnetic Microparticles. <i>Langmuir</i> , <b>2020</b> ,	4	22
16	Hierarchical Microswarms with Leader-Follower-Like Structures: Electrohydrodynamic Self-Organization and Multimode Collective Photoresponses. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 1908602	15.6	36
15	Surface Charge-Reversible Tubular Micromotors for Extraction of Nucleic Acids in Microsystems. <i>Chemistry - an Asian Journal</i> , <b>2019</b> , 14, 2503-2511	4.5	10
14	Hydrophobic Janus Foam Motors: Self-Propulsion and On-The-Fly Oil Absorption. <i>Micromachines</i> , <b>2018</b> , 9,	3.3	13
13	Tubular Micro/Nanomotors: Propulsion Mechanisms, Fabrication Techniques and Applications. <i>Micromachines</i> , <b>2018</b> , 9,	3.3	30
12	Flexible Guidance of Microengines by Dynamic Topographical Pathways in Ferrofluids. <i>ACS Nano</i> , <b>2018</b> , 12, 6668-6676	16.7	17
11	Micro-/Nanorobots at Work in Active Drug Delivery. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1706100	15.6	182
10	Pentatwinned Cu Nanowires with Ultrathin Diameters below 20 nm and Their Use as Templates for the Synthesis of Au-Based Nanotubes. <i>ChemNanoMat</i> , <b>2017</b> , 3, 190-195	3.5	19
9	Light-driven micro/nanomotors: from fundamentals to applications. <i>Chemical Society Reviews</i> , <b>2017</b> , 46, 6905-6926	58.5	322
8	Highly sensitive chemiluminescence biosensor for protein detection based on the functionalized magnetic microparticles and the hybridization chain reaction. <i>Biosensors and Bioelectronics</i> , <b>2017</b> , 87, 325-331	11.8	31
7	Penta-Twinned Copper Nanorods: Facile Synthesis via Seed-Mediated Growth and Their Tunable Plasmonic Properties. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 1209-1216	15.6	88
6	Highly sensitive and multiple DNA biosensor based on isothermal strand-displacement polymerase reaction and functionalized magnetic microparticles. <i>Biosensors and Bioelectronics</i> , <b>2014</b> , 55, 318-23	11.8	23
5	Graphene oxide and molecular beacons-based multiplexed DNA detection by synchronous fluorescence analysis. <i>Science China Chemistry</i> , <b>2013</b> , 56, 380-386	7.9	9
4	Determination of glucose and uric acid with bienzyme colorimetry on microfluidic paper-based analysis devices. <i>Biosensors and Bioelectronics</i> , <b>2012</b> , 35, 363-368	11.8	171
3	A universal platform for amplified multiplexed DNA detection based on exonuclease III-coded magnetic microparticle probes. <i>Chemical Communications</i> , <b>2012</b> , 48, 7416-8	5.8	21
2	Chemiluminescence biosensors for DNA detection using graphene oxide and a horseradish peroxidase-mimicking DNAzyme. <i>Chemical Communications</i> , <b>2012</b> , 48, 1126-8	5.8	137

1 Artificial nanomotors: Fabrication, locomotion characterization, motion manipulation, and biomedical applications 4