Ming Luo

List of Publications by Year
in descending order

18	1,632	516561 16	887953 17
papers	citations	h-index	g-index

18	18	18	2328
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Light-driven micro/nanomotors: from fundamentals to applications. Chemical Society Reviews, 2017, 46, 6905-6926.	18.7	465
2	Microâ€Nanorobots at Work in Active Drug Delivery. Advanced Functional Materials, 2018, 28, 1706100.	7.8	296
3	Determination of glucose and uric acid with bienzyme colorimetry on microfluidic paper-based analysis devices. Biosensors and Bioelectronics, 2012, 35, 363-368.	5.3	202
4	Chemiluminescence biosensors for DNA detection using graphene oxide and a horseradish peroxidase-mimicking DNAzyme. Chemical Communications, 2012, 48, 1126-1128.	2.2	145
5	Pentaâ€Twinned Copper Nanorods: Facile Synthesis via Seedâ€Mediated Growth and Their Tunable Plasmonic Properties. Advanced Functional Materials, 2016, 26, 1209-1216.	7.8	107
6	Hierarchical Microswarms with Leaderâ€“Followerâ€Like Structures: Electrohydrodynamic Selfâ€Organization and Multimode Collective Photoresponses. Advanced Functional Materials, 2020, 30, 1908602.	7.8	68
7	Enhanced Propulsion of Urease-Powered Micromotors by Multilayered Assembly of Ureases on Janus Magnetic Microparticles. Langmuir, 2020, 36, .	1.6	47
8	Tubular Micro/Nanomotors: Propulsion Mechanisms, Fabrication Techniques and Applications. Micromachines, 2018, 9, 78.	1.4	45
9	Artificial nanomotors: Fabrication, locomotion characterization, motion manipulation, and biomedical applications. , 2022, 1, 256-280.		41
10	Highly sensitive chemiluminescence biosensor for protein detection based on the functionalized magnetic microparticles and the hybridization chain reaction. Biosensors and Bioelectronics, 2017, 87, 325-331.	5.3	37
11	Self-adaptive enzyme-powered micromotors with switchable propulsion mechanism and motion directionality. Applied Physics Reviews, 2021, 8, .	5.5	37
12	Pentatwinned Cu Nanowires with Ultrathin Diameters below 20â€…nm and Their Use as Templates for the Synthesis of Auâ€Based Nanotubes. ChemNanoMat, 2017, 3, 190-195.	1.5	25
13	Highly sensitive and multiple DNA biosensor based on isothermal strand-displacement polymerase reaction and functionalized magnetic microparticles. Biosensors and Bioelectronics, 2014, 55, 318-323.	5.3	23
14	A universal platform for amplified multiplexed DNA detection based on exonuclease III-coded magnetic microparticle probes. Chemical Communications, 2012, 48, 7416.	2.2	22
15	Hydrophobic Janus Foam Motors: Self-Propulsion and On-The-Fly Oil Absorption. Micromachines, 2018, 9, 23.	1.4	22
16	Flexible Guidance of Microengines by Dynamic Topographical Pathways in Ferrofluids. ACS Nano, 2018, 12, 6668-6676.	7.3	22
17	Surface Chargeâ€Reversible Tubular Micromotors for Extraction of Nucleic Acids in Microsystems. Chemistry - an Asian Journal, 2019, 14, 2503-2511.	1.7	19
18	Graphene oxide and molecular beacons-based multiplexed DNA detection by synchronous fluorescence analysis. Science China Chemistry, 2013, 56, 380-386.	4.2	9