Jinxing Li

List of Publications by Year
in descending order

57 papers	7,363 citations	61857 43 h-index	149479 56 g-index
58 all docs	58 docs citations	58 times ranked	5134 citing authors

#	Article	IF	Citations
1	Micro/nanorobots for biomedicine: Delivery, surgery, sensing, and detoxification. Science Robotics, 2017, 2, .	9.9	1,018
2	Artificial Micromotors in the Mouseâ€™s Stomach: A Step toward <i>in Vivo</i> Use of Synthetic Motors. ACS Nano, 2015, 9, 117-123.	7.3	435
3	Micromotor-enabled active drug delivery for in vivo treatment of stomach infection. Nature Communications, 2017, 8, 272.	5.8	424
4	Seawater-driven magnesium based Janus micromotors for environmental remediation. Nanoscale, 2013, 5, 4696.	2.8	333
5	Water-Driven Micromotors for Rapid Photocatalytic Degradation of Biological and Chemical Warfare Agents. ACS Nano, 2014, 8, 11118-11125.	7.3	316
6	3Dâ€Printed Artificial Microfish. Advanced Materials, 2015, 27, 4411-4417.	11.1	251
7	Turning Erythrocytes into Functional Micromotors. ACS Nano, 2014, 8, 12041-12048.	7.3	247
8	Rocket Science at the Nanoscale. ACS Nano, 2016, 10, 5619-5634.	7.3	241
9	Magnetoâ€“Acoustic Hybrid Nanomotor. Nano Letters, 2015, 15, 4814-4821.	4.5	239
10	Cellâ€Membraneâ€Coated Synthetic Nanomotors for Effective Biodetoxification. Advanced Functional Materials, 2015, 25, 3881-3887.	7.8	212
11	Enteric Micromotor Can Selectively Position and Spontaneously Propel in the Gastrointestinal Tract. ACS Nano, 2016, 10, 9536-9542.	7.3	211
12	Magnetically Propelled Fishâ€Like Nanoswimmers. Small, 2016, 12, 6098-6105.	5.2	198
13	Highly Efficient Freestyle Magnetic Nanoswimmer. Nano Letters, 2017, 17, 5092-5098.	4.5	182
14	Ultrasound-Modulated Bubble Propulsion of Chemically Powered Microengines. Journal of the American Chemical Society, 2014, 136, 8552-8555.	6.6	177
15	Micromotors Spontaneously Neutralize Gastric Acid for pHâ€Responsive Payload Release. Angewandte Chemie - International Edition, 2017, 56, 2156-2161.	7.2	175
16	Waterâ€Powered Cellâ€Mimicking Janus Micromotor. Advanced Functional Materials, 2015, 25, 7497-7501.	7.8	147
17	Nanomotor lithography. Nature Communications, 2014, 5, 5026.	5.8	141
18	Biomimetic Plateletâ€Camouflaged Nanorobots for Binding and Isolation of Biological Threats. Advanced Materials, 2018, 30, 1704800.	11.1	139

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19	Template electrosynthesis of tailored-made helical nanoswimmers. Nanoscale, 2014, 6, 9415-9420.	2.8	138
20	Self-Propelled Nanomotors Autonomously Seek and Repair Cracks. Nano Letters, 2015, 15, 7077-7085.	4.5	123
21	Multifunctional Silverâ€Exchanged Zeolite Micromotors for Catalytic Detoxification of Chemical and Biological Threats. Advanced Functional Materials, 2015, 25, 2147-2155.	7.8	117
22	Transient Micromotors That Disappear When No Longer Needed. ACS Nano, 2016, 10, 10389-10396.	7.3	109
23	Autonomous Collision-Free Navigation of Microvehicles in Complex and Dynamically Changing Environments. ACS Nano, 2017, 11, 9268-9275.	7.3	107
24	Micromotors Go In Vivo: From Test Tubes to Live Animals. Advanced Functional Materials, 2018, 28, 1705640.	7.8	106
25	Dynamics of catalytic tubular microjet engines: Dependence on geometry and chemical environment. Nanoscale, 2011, 3, 5083.	2.8	104
26	Chemotactic Guidance of Synthetic Organic/Inorganic Payloads Functionalized Sperm Micromotors. Advanced Biology, 2018, 2, 1700160.	3.0	98
27	Metalâ€“Organic Frameworks as Micromotors with Tunable Engines and Brakes. Journal of the American Chemical Society, 2017, 139, 611-614.	6.6	96
28	Swimming Microrobot Optical Nanoscopy. Nano Letters, 2016, 16, 6604-6609.	4.5	93
29	Dryâ€Released Nanotubes and Nanoengines by Particleâ€Assisted Rolling. Advanced Materials, 2013, 25, 3715-3721.	11.1	80
30	Structureâ€Dependent Optical Modulation of Propulsion and Collective Behavior of Acoustic/Lightâ€Driven Hybrid Microbowls. Advanced Functional Materials, 2019, 29, 1809003.	7.8	79
31	Hybrid Nanovehicles: One Machine, Two Engines. Advanced Functional Materials, 2019, 29, 1806290.	7.8	77
32	Micromotor-based onâ€“off fluorescence detection of sarin and soman simulants. Chemical Communications, 2015, 51, 11190-11193.	2.2	76
33	Chemical/Lightâ€Powered Hybrid Micromotors with â€œOnâ€theâ€Flyâ€•Optical Brakes. Angewandte Chemie - International Edition, 2018, 57, 8110-8114.	7.2	67
34	Topographical Manipulation of Microparticles and Cells with Acoustic Microstreaming. ACS Applied Materials & Interfaces, 2017, 9, 38870-38876.	4.0	60
35	A Human Microrobot Interface Based on Acoustic Manipulation. ACS Nano, 2019, 13, 11443-11452.	7.3	58
36	Self-Propelled and Targeted Drug Delivery of Poly(aspartic acid)/Ironâ€“Zinc Microrocket in the Stomach. ACS Nano, 2019, 13, 1324-1332.	7.3	57

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37	Nanoconfined Atomic Layer Deposition of TiO 2 /Pt Nanotubes: Toward Ultrasmall Highly Efficient Catalytic Nanorockets. Advanced Functional Materials, 2017, 27, 1700598.	7.8	54
38	Bioinspired Chemical Communication between Synthetic Nanomotors. Angewandte Chemie - International Edition, 2018, 57, 241-245.	7.2	54
39	Microengine-assisted electrochemical measurements at printable sensor strips. Chemical Communications, 2015, 51, 8668-8671.	2.2	52
40	Fish-Scale-Like Intercalated Metal Oxide-Based Micromotors as Efficient Water Remediation Agents. ACS Applied Materials & Interfaces, 2019, 11, 16164-16173.	4.0	52
41	Localized plasmonic structured illumination microscopy with an optically trapped microlens. Nanoscale, 2017, 9, 14907-14912.	2.8	47
42	Effective removal of inorganic and organic heavy metal pollutants with poly(amino acid)-based micromotors. Nanoscale, 2020, 12, 5227-5232.	2.8	45
43	Hierarchical nanoporous microtubes for high-speed catalytic microengines. NPG Asia Materials, 2014, 6, e94-e94.	3.8	44
44	Whispering-gallery nanocavity plasmon-enhanced Raman spectroscopy. Scientific Reports, 2015, 5, 15012.	1.6	41
45	Vapor-Driven Propulsion of Catalytic Micromotors. Scientific Reports, 2015, 5, 13226.	1.6	40
46	Motile Micropump Based on Synthetic Micromotors for Dynamic Micropatterning. ACS Applied Materials & Interfaces, 2019, 11, 28507-28514.	4.0	37
47	Parallel Labelâ€Free Isolation of Cancer Cells Using Arrays of Acoustic Microstreaming Traps. Advanced Materials Technologies, 2019, 4, 1800374.	3.0	35
48	Chemical/Lightâ€Powered Hybrid Micromotors with â€œOnâ€theâ€Flyâ€• Optical Brakes. Angewandte Chemie, 2018, 130, 8242-8246.	1.6	34
49	Small-scale heat detection using catalytic microengines irradiated by laser. Nanoscale, 2013, 5, 1345.	2.8	28
50	Micromotors Spontaneously Neutralize Gastric Acid for pHâ€Responsive Payload Release. Angewandte Chemie, 2017, 129, 2188-2193.	1.6	18
51	Self-propelled screen-printable catalytic swimmers. RSC Advances, 2015, 5, 78986-78993.	1.7	16
52	Nanoimprint of ordered ferro/piezoelectric P(VDF-TrFE) nanostructures. Microelectronic Engineering, 2011, 88, 2033-2036.	1.1	14
53	Ordering and modification of nanopores in porous anodic aluminum membranes. Microelectronic Engineering, 2012, 97, 147-149.	1.1	5
54	Novel techniques for modifying microtube surfaces with various periodic structures ranging from nano to microscale. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2013, 31, 011806.	0.6	2

#	Article	IF	Citations
55	A new technique for ferroelectric microfluidic channels by rolling method. Microelectronic Engineering, 2012, 98, 623-625.	1.1	1
56	Optical Nanoscopy using Swimming Spherical Lens. , 2017, , .		0
57	Magneto-Acoustic Hybrid Micro-/Nanorobot. , 2022, , 165-177.		0