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	Magneto-Acoustic Hybrid Micro-/Nanorobot. , 2022, , 165-177.		0
2	Effective removal of inorganic and organic heavy metal pollutants with poly(amino acid)-based micromotors. Nanoscale, 2020, 12, 5227-5232.	2.8	45
3	A Human Microrobot Interface Based on Acoustic Manipulation. ACS Nano, 2019, 13, 11443-11452.	7.3	58
4	Motile Micropump Based on Synthetic Micromotors for Dynamic Micropatterning. ACS Applied Materials & Interfaces, 2019, 11, 28507-28514.	4.0	37
5	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
6	Fish-Scale-Like Intercalated Metal Oxide-Based Micromotors as Efficient Water Remediation Agents. ACS Applied Materials & Interfaces, 2019, 11, 16164-16173.	4.0	52
7	Structureâ€Dependent Optical Modulation of Propulsion and Collective Behavior of Acoustic/Lightâ€Driven Hybrid Microbowls. Advanced Functional Materials, 2019, 29, 1809003.	7.8	79
8	Hybrid Nanovehicles: One Machine, Two Engines. Advanced Functional Materials, 2019, 29, 1806290.	7.8	77
9	Parallel Labelâ€Free Isolation of Cancer Cells Using Arrays of Acoustic Microstreaming Traps. Advanced Materials Technologies, 2019, 4, 1800374.	3.0	35
10	Micromotors Go In Vivo: From Test Tubes to Live Animals. Advanced Functional Materials, 2018, 28, 1705640.	7.8	106
11	Biomimetic Plateletâ€Camouflaged Nanorobots for Binding and Isolation of Biological Threats. Advanced Materials, 2018, 30, 1704800.	11.1	139
12	Bioinspired Chemical Communication between Synthetic Nanomotors. Angewandte Chemie - International Edition, 2018, 57, 241-245.	7.2	54
13	Chemical/Lightâ€Powered Hybrid Micromotors with â€œOnâ€theâ€Flyâ€• Optical Brakes. Angewandte Chemie - International Edition, 2018, 57, 8110-8114.	7.2	67
14	Chemical/Lightâ€Powered Hybrid Micromotors with â€œOnâ€theâ€Flyâ€• Optical Brakes. Angewandte Chemie, 2018, 130, 8242-8246.	1.6	34
15	Chemotactic Guidance of Synthetic Organic/Inorganic Payloads Functionalized Sperm Micromotors. Advanced Biology, 2018, 2, 1700160.	3.0	98
16	Micromotors Spontaneously Neutralize Gastric Acid for pHâ€Responsive Payload Release. Angewandte Chemie - International Edition, 2017, 56, 2156-2161.	7.2	175
17	Micromotors Spontaneously Neutralize Gastric Acid for pHâ€Responsive Payload Release. Angewandte Chemie, 2017, 129, 2188-2193.	1.6	18
18	Micro/nanorobots for biomedicine: Delivery, surgery, sensing, and detoxification. Science Robotics, 2017, 2, .	9.9	1,018

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19	Nanoconfined Atomic Layer Deposition of TiO 2 /Pt Nanotubes: Toward Ultrasmall Highly Efficient Catalytic Nanorockets. Advanced Functional Materials, 2017, 27, 1700598.	7.8	54
20	Metalâ€"Organic Frameworks as Micromotors with Tunable Engines and Brakes. Journal of the American Chemical Society, 2017, 139, 611-614.	6.6	96
21	Topographical Manipulation of Microparticles and Cells with Acoustic Microstreaming. ACS Applied Materials & Interfaces, 2017, 9, 38870-38876.	4.0	60
22	Micromotor-enabled active drug delivery for in vivo treatment of stomach infection. Nature Communications, 2017, 8, 272.	5.8	424
23	Autonomous Collision-Free Navigation of Microvehicles in Complex and Dynamically Changing Environments. ACS Nano, 2017, 11, 9268-9275.	7.3	107
24	Highly Efficient Freestyle Magnetic Nanoswimmer. Nano Letters, 2017, 17, 5092-5098.	4.5	182
25	Localized plasmonic structured illumination microscopy with an optically trapped microlens. Nanoscale, 2017, 9, 14907-14912.	2.8	47
26	Optical Nanoscopy using Swimming Spherical Lens. , 2017, , .		0
27	Rocket Science at the Nanoscale. ACS Nano, 2016, 10, 5619-5634.	7.3	241
28	Magnetically Propelled Fishâ€Like Nanoswimmers. Small, 2016, 12, 6098-6105.	5.2	198
29	Swimming Microrobot Optical Nanoscopy. Nano Letters, 2016, 16, 6604-6609.	4.5	93
30	Enteric Micromotor Can Selectively Position and Spontaneously Propel in the Gastrointestinal Tract. ACS Nano, 2016, 10, 9536-9542.	7.3	211
31	Transient Micromotors That Disappear When No Longer Needed. ACS Nano, 2016, 10, 10389-10396.	7.3	109
32	3Dâ€Printed Artificial Microfish. Advanced Materials, 2015, 27, 4411-4417.	11.1	251
33	Vapor-Driven Propulsion of Catalytic Micromotors. Scientific Reports, 2015, 5, 13226.	1.6	40
34	Whispering-gallery nanocavity plasmon-enhanced Raman spectroscopy. Scientific Reports, 2015, 5, 15012.	1.6	41
35	Waterâ€Powered Cellâ€Mimicking Janus Micromotor. Advanced Functional Materials, 2015, 25, 7497-7501.	7.8	147
36	Cellâ€Membraneâ€Coated Synthetic Nanomotors for Effective Biodetoxification. Advanced Functional Materials, 2015, 25, 3881-3887.	7.8	212

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37	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
38	Multifunctional Silverâ€Exchanged Zeolite Micromotors for Catalytic Detoxification of Chemical and Biological Threats. Advanced Functional Materials, 2015, 25, 2147-2155.	7.8	117
39	Magnetoâ€“Acoustic Hybrid Nanomotor. Nano Letters, 2015, 15, 4814-4821.	4.5	239
40	Micromotor-based onâ€“off fluorescence detection of sarin and soman simulants. Chemical Communications, 2015, 51, 11190-11193.	2.2	76
41	Microengine-assisted electrochemical measurements at printable sensor strips. Chemical Communications, 2015, 51, 8668-8671.	2.2	52
42	Self-Propelled Nanomotors Autonomously Seek and Repair Cracks. Nano Letters, 2015, 15, 7077-7085.	4.5	123
43	Self-propelled screen-printable catalytic swimmers. RSC Advances, 2015, 5, 78986-78993.	1.7	16
44	Water-Driven Micromotors for Rapid Photocatalytic Degradation of Biological and Chemical Warfare Agents. ACS Nano, 2014, 8, 11118-11125.	7.3	316
45	Turning Erythrocytes into Functional Micromotors. ACS Nano, 2014, 8, 12041-12048.	7.3	247
46	Hierarchical nanoporous microtubes for high-speed catalytic microengines. NPG Asia Materials, 2014, 6, e94-e94.	3.8	44
47	Nanomotor lithography. Nature Communications, 2014, 5, 5026.	5.8	141
48	Ultrasound-Modulated Bubble Propulsion of Chemically Powered Microengines. Journal of the American Chemical Society, 2014, 136, 8552-8555.	6.6	177
49	Template electrosynthesis of tailored-made helical nanoswimmers. Nanoscale, 2014, 6, 9415-9420.	2.8	138
50	Dryâ€Released Nanotubes and Nanoengines by Particleâ€Assisted Rolling. Advanced Materials, 2013, 25, 3715-3721.	11.1	80
51	Seawater-driven magnesium based Janus micromotors for environmental remediation. Nanoscale, 2013, 5, 4696.	2.8	333
52	Small-scale heat detection using catalytic microengines irradiated by laser. Nanoscale, 2013, 5, 1345.	2.8	28
53	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
54	Ordering and modification of nanopores in porous anodic aluminum membranes. Microelectronic Engineering, 2012, 97, 147-149.	1.1	5

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55	A new technique for ferroelectric microfluidic channels by rolling method. Microelectronic Engineering, 2012, 98, 623-625.	1.1	1
56	Dynamics of catalytic tubular microjet engines: Dependence on geometry and chemical environment. Nanoscale, 2011, 3, 5083.	2.8	104
57	Nanoimprint of ordered ferro/piezoelectric P(VDF-TrFE) nanostructures. Microelectronic Engineering, 2011, 88, 2033-2036.	1.1	14