

Tianlong Li

List of Publications by Year in descending order

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Version: 2024-02-01

59
papers

2,814
citations

257101

24
h-index

182168

51
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62
all docs

62
docs citations

62
times ranked

2352
citing authors

#	ARTICLE	IF	CITATIONS
1	Motion mode-driven adsorption by magnetically propelled MOF-based nanomotor. <i>Materials Today Nano</i> , 2022, 18, 100182.	2.3	9
2	Trimer-like microrobots with multimodal locomotion and reconfigurable capabilities. <i>Materials Today Advances</i> , 2022, 14, 100231.	2.5	25
3	Magnetic microswarm for MRI contrast enhancer. <i>Chemistry - an Asian Journal</i> , 2022, 17, .	1.7	8
4	A Strain-Engineered Helical Structure as a Self-Adaptive Magnetic Microswimmer. <i>ChemNanoMat</i> , 2021, 7, 607-612.	1.5	8
5	Propulsion Gait Analysis and Fluidic Trapping of Swinging Flexible Nanomotors. <i>ACS Nano</i> , 2021, 15, 5118-5128.	7.3	51
6	Dual-responsive biohybrid neutroblots for active target delivery. <i>Science Robotics</i> , 2021, 6, .	9.9	227
7	Micro-Bio-Chemo-Mechanical Systems: Micromotors, Microfluidics, and Nanozymes for Biomedical Applications. <i>Advanced Materials</i> , 2021, 33, e2007465.	11.1	60
8	Imaging-Guided Chemo-Photothermal Polydopamine Carbon Dots for EpCAM-Targeted Delivery toward Liver Tumor. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 29340-29348.	4.0	37
9	Multi-response biocompatible Janus micromotor for ultrasonic imaging contrast enhancement. <i>Applied Materials Today</i> , 2021, 23, 101026.	2.3	22
10	Magnetically propelled soft microrobot navigating through constricted microchannels. <i>Applied Materials Today</i> , 2021, 25, 101237.	2.3	18
11	Magnetic Microdimer as Mobile Meter for Measuring Plasma Glucose and Lipids. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 779632.	2.0	7
12	Fabrication and extrusion of the PAAm-SAlg hydrogels with magnetic particles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 603, 125280.	2.3	9
13	Ultrasound-assisted cyanide extraction of gold from gold concentrate at low temperature. <i>Ultrasonics Sonochemistry</i> , 2020, 64, 105039.	3.8	21
14	Controlled Propulsion of Asymmetric Janus Microdimer Swimmers under Rotating Magnetic Fields. , 2020, , .		0
15	Motile Micropump Based on Synthetic Micromotors for Dynamic Micropatterning. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 28507-28514.	4.0	37
16	Rethinking Caching Security of Information-Centric Networking: A System Recovery Perspective. <i>IEEE Communications Magazine</i> , 2019, 57, 104-110.	4.9	0
17	Rail-Assisted Dynamic Assembly of Metallic Nanowires. <i>Advanced Intelligent Systems</i> , 2019, 1, 1900100.	3.3	1
18	STED Direct Laser Writing of 45 nm Width Nanowire. <i>Micromachines</i> , 2019, 10, 726.	1.4	18

#	ARTICLE	IF	CITATIONS
19	Coexisting Cooperative Cognitive Micro-Nanorobots. Chemistry - an Asian Journal, 2019, 14, 2357-2368.	1.7	8
20	Dynamic Assembly of Microspheres under an Ultrasound Field. Chemistry - an Asian Journal, 2019, 14, 2440-2444.	1.7	10
21	Doublet Thermal Metadevice. Physical Review Applied, 2019, 11, .	1.5	52
22	A Bubble-Dragged Catalytic Polymer Microrocket. Chemistry - an Asian Journal, 2019, 14, 2460-2464.	1.7	12
23	Self-Propelled Janus Microdimer Swimmers under a Rotating Magnetic Field. Nanomaterials, 2019, 9, 1672.	1.9	29
24	Acoustic Standing Wave Field Measurement Using a Laser Doppler Vibrometer Based on the Hankel Fourier Algorithm. IEEE Access, 2019, 7, 139013-139020.	2.6	5
25	Janus Microdimer Surface Walkers Propelled by Oscillating Magnetic Fields. Advanced Functional Materials, 2018, 28, 1706066.	7.8	105
26	Light-Ultrasound Driven Collective "Firework" Behavior of Nanomotors. Advanced Science, 2018, 5, 1800122.	5.6	81
27	Micro-/Nanorobots Propelled by Oscillating Magnetic Fields. Micromachines, 2018, 9, 540.	1.4	34
28	Janus Microspheres: Janus Microdimer Surface Walkers Propelled by Oscillating Magnetic Fields (Adv.) Tj ETQq0 0 0,rgBT /Overlock 10 Tf	7.8	4
29	Nanoconfined Atomic Layer Deposition of TiO ₂ /Pt Nanotubes: Toward Ultrasmall Highly Efficient Catalytic Nanorockets. Advanced Functional Materials, 2017, 27, 1700598.	7.8	54
30	Topographical Manipulation of Microparticles and Cells with Acoustic Microstreaming. ACS Applied Materials & Interfaces, 2017, 9, 38870-38876.	4.0	60
31	Autonomous Collision-Free Navigation of Microvehicles in Complex and Dynamically Changing Environments. ACS Nano, 2017, 11, 9268-9275.	7.3	107
32	Highly Efficient Freestyle Magnetic Nanoswimmer. Nano Letters, 2017, 17, 5092-5098.	4.5	182
33	The effects of optical and material properties on designing of a photonic crystal mechanical sensor. Microsystem Technologies, 2017, 23, 3271-3280.	1.2	5
34	H _∞ sliding mode control for discrete-time singular systems with time-varying delay. , 2017, , .		0
35	Propulsion mechanisms and applications of multiphysics- driven micro- and nanomotors. Chinese Science Bulletin, 2017, 62, 122-135.	0.4	3
36	Optical Nanoscopy using Swimming Spherical Lens. , 2017, , .		0

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37	Magnetically Propelled Fish-Like Nanoswimmers. <i>Small</i> , 2016, 12, 6098-6105.	5.2	198
38	Swimming Microrobot Optical Nanoscopy. <i>Nano Letters</i> , 2016, 16, 6604-6609.	4.5	93
39	A Local Nanofiber-Optic Ear. <i>ACS Photonics</i> , 2016, 3, 1762-1767.	3.2	10
40	Accelerated microrockets with a biomimetic hydrophobic surface. <i>RSC Advances</i> , 2016, 6, 87213-87220.	1.7	12
41	Leveraging Context-Free Grammar for Efficient Inverted Index Compression. , 2016, , .		9
42	Drag Force Reduction at the Interface of Tubular Microrockets. , 2015, , .		0
43	The Effect of Geometry on the Velocity and Drag Force of Catalytic Micro/Nano-Rockets. , 2015, , .		0
44	Water-Powered Cell-Mimicking Janus Micromotor. <i>Advanced Functional Materials</i> , 2015, 25, 7497-7501.	7.8	147
45	Cell-Membrane-Coated Synthetic Nanomotors for Effective Biodetoxification. <i>Advanced Functional Materials</i> , 2015, 25, 3881-3887.	7.8	212
46	Microrocket Based Viscometer. <i>ECS Journal of Solid State Science and Technology</i> , 2015, 4, S3020-S3023.	0.9	15
47	Magneto-Acoustic Hybrid Nanomotor. <i>Nano Letters</i> , 2015, 15, 4814-4821.	4.5	239
48	A unified model of drag force for bubble-propelled catalytic micro/nano-motors with different geometries in low Reynolds number flows. <i>Journal of Applied Physics</i> , 2015, 117, .	1.1	44
49	Self-Propelled Nanomotors Autonomously Seek and Repair Cracks. <i>Nano Letters</i> , 2015, 15, 7077-7085.	4.5	123
50	Self-Propelled Multilayered Microrockets for Pollutants Purification. <i>ECS Journal of Solid State Science and Technology</i> , 2015, 4, S3016-S3019.	0.9	32
51	Locomotion of chemically powered autonomous nanowire motors. <i>Applied Physics Letters</i> , 2015, 107, .	1.5	13
52	A Nano-Scaled Force Sensor Based on a Photonic Crystal Nanocavity Resonator and a Microcantilever. <i>ECS Journal of Solid State Science and Technology</i> , 2014, 3, Q146-Q151.	0.9	7
53	Turning Erythrocytes into Functional Micromotors. <i>ACS Nano</i> , 2014, 8, 12041-12048.	7.3	247
54	Hydrodynamics and propulsion mechanism of self-propelled catalytic micromotors: model and experiment. <i>Soft Matter</i> , 2014, 10, 7511-7518.	1.2	71

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55	The effect of environmental conditions on designing of a photonic crystal force sensor. Proceedings of SPIE, 2014, , .	0.8	0
56	A novel nano-scaled force sensor based on silicon photonic crystal. Proceedings of SPIE, 2013, , .	0.8	0
57	Numerical and Experimental Study of the Mechanical Properties of Photonic Crystal Film. Advanced Materials Research, 2012, 531, 554-557.	0.3	1
58	Preparation and Morphologies of Shell Cross-Linked Micelles Based on Commercial Poly(styrene-block-ethylene-co-butene-block-styrene). Polymer Journal, 2002, 34, 529-533.	1.3	11
59	A Robot Platform for Highly Efficient Pollutant Purification. Frontiers in Bioengineering and Biotechnology, 0, 10, .	2.0	13