

Fuzhou Niu

List of Publications by Year in descending order

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260
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#	ARTICLE	IF	CITATIONS
1	3D-Printed Light-Driven Microswimmer with Built-In Micromotors. <i>Advanced Materials Technologies</i> , 2022, 7, 2100687.	5.8	9
2	External Field-Driven Untethered Microrobots for Targeted Cargo Delivery. <i>Advanced Materials Technologies</i> , 2022, 7, .	5.8	8
3	Three-Dimensional Silk Fibroin/Chitosan Based Microscaffold for Anticancer Drug Screening. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 800830.	4.1	5
4	Magnetic microswimmers with infrared-induced shape transformation. <i>Micro and Nano Letters</i> , 2021, 16, 582-590.	1.3	1
5	Robust Vehicle Dynamics Control for a Sharp Curve With Uncertain Road Condition. <i>Frontiers in Energy Research</i> , 2021, 9, .	2.3	0
6	Gradient-Enhanced Electromagnetic Actuation System With a New Core Shape Design for Microrobot Manipulation. <i>IEEE Transactions on Industrial Electronics</i> , 2020, 67, 4700-4710.	7.9	47
7	Motion Planning and Robust Control for the Endovascular Navigation of a Microrobot. <i>IEEE Transactions on Industrial Informatics</i> , 2020, 16, 4557-4566.	11.3	30
8	A Track-type Inverted Climbing Robot with Bio-inspired Spiny Grippers. <i>Journal of Bionic Engineering</i> , 2020, 17, 920-931.	5.0	19
9	Integrated Immunomagnetic Bead-Based Microfluidic Chip for Exosomes Isolation. <i>Micromachines</i> , 2020, 11, 503.	2.9	17
10	Fuzzy Sliding Mode Control of a VAV Air-Conditioning Terminal Temperature System. <i>Complexity</i> , 2020, 2020, 1-10.	1.6	1
11	Dielectrophoretic Microfluidic Chip Integrated With Liquid Metal Electrode for Red Blood Cell Stretching Manipulation. <i>IEEE Access</i> , 2019, 7, 152224-152232.	4.2	13
12	Transparent and flexible force sensor based on microextrusion 3D printing. <i>Micro and Nano Letters</i> , 2018, 13, 1460-1464.	1.3	15
13	Robust Control to Manipulate a Microparticle with Electromagnetic Coil System. <i>IEEE Transactions on Industrial Electronics</i> , 2017, 64, 8566-8577.	7.9	38
14	A robust control scheme for 3D manipulation of a microparticle with electromagnetic coil system. , 2017, , .		0
15	Development of an Enhanced Electromagnetic Actuation System With Enlarged Workspace. <i>IEEE/ASME Transactions on Mechatronics</i> , 2017, 22, 2265-2276.	5.8	55
16	Development of biocompatible magnetic microrobot transporter using 3D laser lithography. , 2016, , .		4
17	Modeling and closed-loop control of electromagnetic manipulation of a microparticle. , 2015, , .		4
18	Fabrication and characterization of magnetic porous microrobots. , 2015, , .		1

#	ARTICLE	IF	CITATIONS
19	An electromagnetic system for magnetic microbead's manipulation. , 2015, , .		7
20	Modeling and development of a magnetically actuated system for micro-particle manipulation. , 2014, , .		10
21	Automated manipulation of magnetic micro beads with electromagnetic coil system. , 2013, , .		4