

Fuzhou Niu

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

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citations

1040056

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1125743

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21
all docs

21
docs citations

21
times ranked

260
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of an Enhanced Electromagnetic Actuation System With Enlarged Workspace. IEEE/ASME Transactions on Mechatronics, 2017, 22, 2265-2276.	5.8	55
2	Gradient-Enhanced Electromagnetic Actuation System With a New Core Shape Design for Microrobot Manipulation. IEEE Transactions on Industrial Electronics, 2020, 67, 4700-4710.	7.9	47
3	Robust Control to Manipulate a Microparticle with Electromagnetic Coil System. IEEE Transactions on Industrial Electronics, 2017, 64, 8566-8577.	7.9	38
4	Motion Planning and Robust Control for the Endovascular Navigation of a Microrobot. IEEE Transactions on Industrial Informatics, 2020, 16, 4557-4566.	11.3	30
5	A Track-type Inverted Climbing Robot with Bio-inspired Spiny Grippers. Journal of Bionic Engineering, 2020, 17, 920-931.	5.0	19
6	Integrated Immunomagnetic Bead-Based Microfluidic Chip for Exosomes Isolation. Micromachines, 2020, 11, 503.	2.9	17
7	Transparent and flexible force sensor based on microextrusion 3D printing. Micro and Nano Letters, 2018, 13, 1460-1464.	1.3	15
8	Dielectrophoretic Microfluidic Chip Integrated With Liquid Metal Electrode for Red Blood Cell Stretching Manipulation. IEEE Access, 2019, 7, 152224-152232.	4.2	13
9	Modeling and development of a magnetically actuated system for micro-particle manipulation. , 2014, , .		10
10	3D-Printed Light-Driven Microswimmer with Built-In Micromotors. Advanced Materials Technologies, 2022, 7, 2100687.	5.8	9
11	External Field-Driven Untethered Microrobots for Targeted Cargo Delivery. Advanced Materials Technologies, 2022, 7, .	5.8	8
12	An electromagnetic system for magnetic microbead's manipulation. , 2015, , .		7
13	Three-Dimensional Silk Fibroin/Chitosan Based Microscaffold for Anticancer Drug Screening. Frontiers in Bioengineering and Biotechnology, 2022, 10, 800830.	4.1	5
14	Automated manipulation of magnetic micro beads with electromagnetic coil system. , 2013, , .		4
15	Modeling and closed-loop control of electromagnetic manipulation of a microparticle. , 2015, , .		4
16	Development of biocompatible magnetic microrobot transporter using 3D laser lithography. , 2016, , .		4
17	Fabrication and characterization of magnetic porous microrobots. , 2015, , .		1
18	Magnetic microswimmers with infrared-induced shape transformation. Micro and Nano Letters, 2021, 16, 582-590.	1.3	1

#	ARTICLE	IF	CITATIONS
19	Fuzzy Sliding Mode Control of a VAV Air-Conditioning Terminal Temperature System. Complexity, 2020, 2020, 1-10.	1.6	1
20	A robust control scheme for 3D manipulation of a microparticle with electromagnetic coil system. , 2017, , .		0
21	Robust Vehicle Dynamics Control for a Sharp Curve With Uncertain Road Condition. Frontiers in Energy Research, 2021, 9, .	2.3	0