

Onder Erin

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

682
citations

1163117

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h-index

1281871

11
g-index

15
all docs

15
docs citations

15
times ranked

924
citing authors

#	ARTICLE	IF	CITATIONS
1	Shape-programmable magnetic soft matter. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E6007-E6015.	7.1	438
2	Nonresonant powering of injectable nanoelectrodes enables wireless deep brain stimulation in freely moving mice. Science Advances, 2021, 7, .	10.3	76
3	Magnetic Resonance Imaging Systemâ€Driven Medical Robotics. Advanced Intelligent Systems, 2020, 2, 1900110.	6.1	42
4	Elevation and Azimuth Rotational Actuation of an Untethered Millirobot by MRI Gradient Coils. IEEE Transactions on Robotics, 2019, 35, 1323-1337.	10.3	29
5	Wireless MRIâ€Powered Reversible Orientationâ€Locking Capsule Robot. Advanced Science, 2021, 8, 2100463.	11.2	19
6	Magnetic Resonance Imagingâ€Compatible Optically Powered Miniature Wireless Modular Lorentz Force Actuators. Advanced Science, 2021, 8, 2002948.	11.2	18
7	Design, Actuation, and Control of an MRI-Powered Untethered Robot for Wireless Capsule Endoscopy. IEEE Robotics and Automation Letters, 2021, 6, 6000-6007.	5.1	18
8	Towards 5-DoF Control of an Untethered Magnetic Millirobot via MRI Gradient Coils. , 2020, , .		10
9	A Realistic Simulation Environment for MRI-Based Robust Control of Untethered Magnetic Robots With Intra-Operational Imaging. IEEE Robotics and Automation Letters, 2020, 5, 4501-4508.	5.1	10
10	Design and actuation of a magnetic millirobot under a constant unidirectional magnetic field. , 2017, , .		5
11	Localization and Control of Magnetic Suture Needles in Cluttered Surgical Site with Blood and Tissue. , 2021, 2021, 524-531.		4
12	Overcoming the Force Limitations of Magnetic Robotic Surgery: Magnetic Pulse Actuated Collisions for Tissueâ€Penetratingâ€Needle for Tetherless Interventions. Advanced Intelligent Systems, 2022, 4, .	6.1	4
13	Enhanced Accuracy in Magnetic Actuation: Closed-Loop Control of a Magnetic Agent With Low-Error Numerical Magnetic Model Estimation. IEEE Robotics and Automation Letters, 2022, 7, 9429-9436.	5.1	4
14	Magnetic Model Calibration for Tetherless Surgical Needle Manipulation using Zernike Polynomial Fitting. , 2021, , .		3
15	Going Hands-Free: MagnetoSutureâ„¢ for Untethered Guided Needle Penetration of Human Tissue Ex Vivo. Robotics, 2021, 10, 129.	3.5	2