

# Onder Erin

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3499615/publications.pdf>

Version: 2024-02-01

15  
papers

682  
citations

1163117

8  
h-index

1281871

11  
g-index

15  
all docs

15  
docs citations

15  
times ranked

924  
citing authors

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