

# Muneaki Miyasaka

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4893165/publications.pdf>

Version: 2024-02-01

20  
papers

295  
citations

1684188

5  
h-index

1372567

10  
g-index

21  
all docs

21  
docs citations

21  
times ranked

269  
citing authors

#	ARTICLE	IF	CITATIONS
1	Utilizing Elasticity of Cable-Driven Surgical Robot to Estimate Cable Tension and External Force. IEEE Robotics and Automation Letters, 2017, 2, 1593-1600.	5.1	34
2	Measurement of the cable-pulley Coulomb and viscous friction for a cable-driven surgical robotic system. , 2015, , .		29
3	Magnetic levitation with unlimited omnidirectional rotation range. Mechatronics, 2014, 24, 252-264.	3.3	25
4	Hysteresis model of longitudinally loaded cable for cable driven robots and identification of the parameters. , 2016, , .		25
5	Dynamic modeling of cable driven elongated surgical instruments for sensorless grip force estimation. , 2016, 2016, 4128-4134.		25
6	Sewing up the Wounds: A Robotic Suturing System for Flexible Endoscopy. IEEE Robotics and Automation Magazine, 2020, 27, 45-54.	2.0	23
7	Modeling Cable-Driven Robot With Hysteresis and Cableâ€™Pulley Network Friction. IEEE/ASME Transactions on Mechatronics, 2020, 25, 1095-1104.	5.8	22
8	Unscented Kalman Filter and 3D vision to improve cable driven surgical robot joint angle estimation. , 2016, , .		21
9	Roboscope: A flexible and bendable surgical robot for single portal Minimally Invasive Surgery. , 2017, , .		21
10	Improving position precision of a servo-controlled elastic cable driven surgical robot using Unscented Kalman Filter. , 2015, , .		20
11	Co-located 3D graphic and haptic display using electromagnetic levitation. , 2012, , .		14
12	First-in-man feasibility study of a novel ingestible magnetically inflated balloon capsule for treatment of obesity. Endoscopy International Open, 2020, 08, E607-E610.	1.8	10
13	Improving control precision and motion adaptiveness for surgical robot with recurrent neural network. , 2017, , .		7
14	Integrated asymmetric stop operator based model for strain stress hysteresis characteristics of cable driven robots loaded longitudinally. , 2017, , .		5
15	EndoPil: A Magnetically Actuated Swallowable Capsule for Weight Management: Development and Trials. Annals of Biomedical Engineering, 2021, 49, 1391-1401.	2.5	5
16	Pneumatically Actuated Deployable Tissue Distension Device for NOTES for Colon. , 2019, , .		3
17	Two Magnetic Sensor Based Real-Time Tracking of Magnetically Inflated Swallowable Intra-gastric Balloon. Annals of Biomedical Engineering, 2021, 49, 1735-1746.	2.5	2
18	A Low-Cost, Point-of-Care Test for Confirmation of Nasogastric Tube Placement via Magnetic Field Tracking. Sensors, 2021, 21, 4491.	3.8	2

#	ARTICLE	IF	CITATIONS
19	951c “Magnetically Activated Ingestible Weight Management Balloon Capsule. Gastroenterology, 2019, 156, S-1510.	1.3	1
20	Flexible and Deployable Colon Support Structure for Endoluminal Interventions. IEEE Access, 2021, 9, 91754-91763.	4.2	1