

# Muneaki Miyasaka

## List of Publications by Year in descending order

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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	EndoPill: A Magnetically Actuated Swallowable Capsule for Weight Management: Development and Trials. <i>Annals of Biomedical Engineering</i> , 2021, 49, 1391-1401.	2.5	5
2	Flexible and Deployable Colon Support Structure for Endoluminal Interventions. <i>IEEE Access</i> , 2021, 9, 91754-91763.	4.2	1
3	Two Magnetic Sensor Based Real-Time Tracking of Magnetically Inflated Swallowable Intra-gastric Balloon. <i>Annals of Biomedical Engineering</i> , 2021, 49, 1735-1746.	2.5	2
4	A Low-Cost, Point-of-Care Test for Confirmation of Nasogastric Tube Placement via Magnetic Field Tracking. <i>Sensors</i> , 2021, 21, 4491.	3.8	2
5	Sewing up the Wounds: A Robotic Suturing System for Flexible Endoscopy. <i>IEEE Robotics and Automation Magazine</i> , 2020, 27, 45-54.	2.0	23
6	Modeling Cable-Driven Robot With Hysteresis and Cable-Pulley Network Friction. <i>IEEE/ASME Transactions on Mechatronics</i> , 2020, 25, 1095-1104.	5.8	22
7	First-in-man feasibility study of a novel ingestible magnetically inflated balloon capsule for treatment of obesity. <i>Endoscopy International Open</i> , 2020, 08, E607-E610.	1.8	10
8	Pneumatically Actuated Deployable Tissue Distension Device for NOTES for Colon. , 2019, , .		3
9	951c " Magnetically Activated Ingestible Weight Management Balloon Capsule. <i>Gastroenterology</i> , 2019, 156, S-1510.	1.3	1
10	Utilizing Elasticity of Cable-Driven Surgical Robot to Estimate Cable Tension and External Force. <i>IEEE Robotics and Automation Letters</i> , 2017, 2, 1593-1600.	5.1	34
11	Roboscope: A flexible and bendable surgical robot for single portal Minimally Invasive Surgery. , 2017, , .		21
12	Improving control precision and motion adaptiveness for surgical robot with recurrent neural network. , 2017, , .		7
13	Integrated asymmetric stop operator based model for strain stress hysteresis characteristics of cable driven robots loaded longitudinally. , 2017, , .		5
14	Hysteresis model of longitudinally loaded cable for cable driven robots and identification of the parameters. , 2016, , .		25
15	Unscented Kalman Filter and 3D vision to improve cable driven surgical robot joint angle estimation. , 2016, , .		21
16	Dynamic modeling of cable driven elongated surgical instruments for sensorless grip force estimation. , 2016, 2016, 4128-4134.		25
17	Measurement of the cable-pulley Coulomb and viscous friction for a cable-driven surgical robotic system. , 2015, , .		29
18	Improving position precision of a servo-controlled elastic cable driven surgical robot using Unscented Kalman Filter. , 2015, , .		20

#	ARTICLE	IF	CITATIONS
19	Magnetic levitation with unlimited omnidirectional rotation range. <i>Mechatronics</i> , 2014, 24, 252-264.	3.3	25
20	Co-located 3D graphic and haptic display using electromagnetic levitation. , 2012, , .		14