

# Jaekwang Nam

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Steering, Tunneling, and Stent Delivery of a Multifunctional Magnetic Catheter Robot to Treat Occlusive Vascular Disease. IEEE Transactions on Industrial Electronics, 2021, 68, 391-400.	7.9	19
2	Crawling Magnetic Robot to Perform a Biopsy in Tubular Environments by Controlling a Magnetic Field. Applied Sciences (Switzerland), 2021, 11, 5292.	2.5	1
3	Magnetic Navigation System Utilizing a Closed Magnetic Circuit to Maximize Magnetic Field and a Mapping Method to Precisely Control Magnetic Field in Real Time. IEEE Transactions on Industrial Electronics, 2018, 65, 5673-5681.	7.9	45
4	Effective Locomotion and Precise Unclogging Motion of an Untethered Flexible-Legged Magnetic Robot for Vascular Diseases. IEEE Transactions on Industrial Electronics, 2018, 65, 1388-1397.	7.9	34
5	Selective Motion Control of a Crawling Magnetic Robot System for Wireless Self-Expandable Stent Delivery in Narrowed Tubular Environments. IEEE Transactions on Industrial Electronics, 2017, 64, 1636-1644.	7.9	20
6	Magnetic Navigation System Utilizing Resonant Effect to Enhance Magnetic Field Applied to Magnetic Robots. IEEE Transactions on Industrial Electronics, 2017, 64, 4701-4709.	7.9	19
7	Precise position control of a helical magnetic robot in pulsatile flow using the rotating frequency of the external magnetic field. AIP Advances, 2017, 7, 056712.	1.3	0
8	A Spiral Microrobot Performing Navigating Linear and Drilling Motions by Magnetic Gradient and Rotating Uniform Magnetic Field for Applications in Unclogging Blocked Human Blood Vessels. IEEE Transactions on Magnetism, 2015, 51, 1-4.	2.1	18
9	Dual-body magnetic helical robot for drilling and cargo delivery in human blood vessels. Journal of Applied Physics, 2015, 117, .	2.5	21