Kwang-Ryul Baek

List of Publications by Year
in descending order

16 papers	246 citations	1306789 7 h-index	1199166 12 g-index
16 all docs	16 docs citations	16 times ranked	224 citing authors

#	Article	IF	Citations
1	Compression automation of circular stapler for preventing compression injury on gastrointestinal anastomosis. International Journal of Medical Robotics and Computer Assisted Surgery, 2022, 18, e2374.	1.2	4
2	Frequency Sweep Keying CDMA for Reducing Ultrasonic Crosstalk. Sensors, 2022, 22, 4462.	2.1	1
3	Optimization of indocyanine green angiography for colon perfusion during laparoscopic colorectal surgery. Colorectal Disease, 2021, 23, 1848-1859.	0.7	19
4	Asymmetric Gait Analysis Using a DTW Algorithm with Combined Gyroscope and Pressure Sensor. Sensors, 2021, 21, 3750.	2.1	12
5	Clinical effect and standardization of indocyanine green angiography in the laparoscopic colorectal surgery. Journal of Minimally Invasive Surgery, 2021, 24, 113-122.	0.2	8
6	Artificial intelligence based real-time microcirculation analysis system for laparoscopic colorectal surgery. World Journal of Gastroenterology, 2020, 26, 6945-6962.	1.4	41
7	Method of Improving the Spatial Resolution of Dual Probe Ultrasonic Inspection System Using Wavelet Transform. The Journal of Korean Institute of Information Technology, 2020, 18, 91-99.	0.1	2
8	Indoor Dead Reckoning Localization Using Ultrasonic Anemometer with IMU. Journal of Sensors, 2017, 2017, 1-12.	0.6	4
9	Indoor Positioning System Using Magnetic Field Map Navigation and an Encoder System. Sensors, 2017, 17, 651.	2.1	46
10	Virtual pheromone map building and a utilization method for a multi-purpose swarm robot system. International Journal of Control, Automation and Systems, 2015, 13, 1446-1453.	1.6	5
11	Modified Otsu's method for indoor mobile robot tracking system. , 2014, , .		1
12	Positioning of a mobile robot based on odometry and a new ultrasonic LPS. International Journal of Control, Automation and Systems, 2013, 11, 333-345.	1.6	9
13	Global thresholding algorithm based on boundary selection. , 2013, , .		7
14	Implementation of MOST/CAN network protocol. , 2011, , .		2
15	A dead reckoning localization system for mobile robots using inertial sensors and wheel revolution encoding. Journal of Mechanical Science and Technology, 2011, 25, 2907-2917.	0.7	83
16	Position estimation using hyperbolic model for time difference of flight of ultrasonic. , 2011, , .		2