

Yeoun-Jae Kim

List of Publications by Year in descending order

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16
papers

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1478280

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139
citing authors

#	ARTICLE	IF	CITATIONS
1	Robust Deflected Path Planning Method for Superelastic Nitinol Coaxial Biopsy Needle: Application to an Automated Magnetic Resonance Image-Guided Breast Biopsy Robot. IEEE Transactions on Robotics, 2022, 38, 2220-2237.	7.3	3
2	A Sarcopenia Detection System Using an RGB-D Camera and an Ultrasound Probe: Eye-in-Hand Approach. Biosensors, 2021, 11, 243.	2.3	3
3	Sarcopenia Detection System Using RGB-D Camera and Ultrasound Probe: System Development and Preclinical In-Vitro Test. Sensors, 2020, 20, 4447.	2.1	6
4	Gain determination of feedback force for an ultrasound scanning robot using genetic algorithm. International Journal of Computer Assisted Radiology and Surgery, 2019, 14, 797-807.	1.7	5
5	Development of a control algorithm for the ultrasound scanning robot (NCCUSR) using ultrasound image and force feedback. International Journal of Medical Robotics and Computer Assisted Surgery, 2017, 13, e1756.	1.2	17
6	Impedance and admittance control for respiratory motion compensation during robotic needle insertion – a preliminary test. International Journal of Medical Robotics and Computer Assisted Surgery, 2017, 13, e1795.	1.2	12
7	An EMG-based variable impedance control for elbow exercise: preliminary study. Advanced Robotics, 2017, 31, 809-820.	1.1	7
8	A force-resisting balance control strategy for a walking biped robot under an unknown, continuous force. Robotica, 2016, 34, 1495-1516.	1.3	1
9	Clinical Application of Solid Model Based on Trabecular Tibia Bone CT Images Created by 3D Printer. Healthcare Informatics Research, 2015, 21, 201.	1.0	6
10	A Torso-Moving Balance Control Strategy for a Walking Biped Robot Subject to External Continuous Forces. International Journal of Humanoid Robotics, 2015, 12, 1550003.	0.6	5
11	A Balance Control Strategy for a Walking Biped Robot under Unknown Lateral External Force using a Genetic Algorithm. International Journal of Humanoid Robotics, 2015, 12, 1550021.	0.6	5
12	A RRT-based collision-free and occlusion-free path planning method for a 7DOF manipulator. , 2014, , .		3
13	Step-exchange strategy for balance control of a walking biped under a lateral impact. Industrial Robot, 2014, 41, 456-464.	1.2	0
14	A balance control strategy of a walking biped robot in an externally applied force. , 2012, , .		7
15	Swing-up and LQR stabilization of a rotary inverted pendulum. Artificial Life and Robotics, 2011, 16, 94-97.	0.7	23
16	Bipedal Walking Trajectory Generation Using Tchebychev Method. Advanced Engineering Forum, 0, 2-3, 414-418.	0.3	3