

Jung Hoon Kim

List of Publications by Year in descending order

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	3D Concrete Printing: A Systematic Review of Rheology, Mix Designs, Mechanical, Microstructural, and Durability Characteristics. <i>Materials</i> , 2021, 14, 3800.	2.9	85
2	Framework for technical specifications of 3D concrete printers. <i>Automation in Construction</i> , 2021, 127, 103732.	9.8	11
3	Multi-Axis Force-Torque Sensors for Measuring Zero-Moment Point in Humanoid Robots: A Review. <i>IEEE Sensors Journal</i> , 2020, 20, 1126-1141.	4.7	41
4	Use of municipal solid waste incineration ash in 3D printable concrete. <i>Chemical Engineering Research and Design</i> , 2020, 142, 219-228.	5.6	34
5	Terrain Feature Estimation Method for a Lower Limb Exoskeleton Using Kinematic Analysis and Center of Pressure. <i>Sensors</i> , 2019, 19, 4418.	3.8	6
6	Multi-Axis Force-Torque Sensor. , 2019, , 2483-2496.		1
7	Fully Bayesian Prediction Algorithms for Mobile Robotic Sensors under Uncertain Localization Using Gaussian Markov Random Fields. <i>Sensors</i> , 2018, 18, 2866.	3.8	2
8	Design and optimization of a robotic gripper for the FEM assembly process of vehicles. <i>Mechanism and Machine Theory</i> , 2018, 129, 1-16.	4.5	12
9	Visualization of Concrete Slump Flow Using the Kinect Sensor. <i>Sensors</i> , 2018, 18, 771.	3.8	14
10	Multi-Axis Force-Torque Sensor. , 2018, , 1-14.		2
11	Effects of a continuous lateral turning device on pressure relief. <i>Journal of Physical Therapy Science</i> , 2016, 28, 460-466.	0.6	5
12	Design of a Knee Exoskeleton Using Foot Pressure and Knee Torque Sensors. <i>International Journal of Advanced Robotic Systems</i> , 2015, 12, 112.	2.1	53
13	Development of Exoskeleton 4-Bar Linkage Gripper for Front End Module (FEM) Assembly Process. <i>Applied Mechanics and Materials</i> , 2015, 752-753, 1022-1026.	0.2	1
14	Development of Foot Modules of an Exoskeleton Equipped with Multiple Sensors for Detecting Walking Phase and Intent. <i>Applied Mechanics and Materials</i> , 2015, 752-753, 1016-1021.	0.2	2
15	Optimal design of a mechanically decoupled six-axis force/torque sensor based on the principal cross coupling minimization. , 2014, , .		5
16	Shape optimization of a mechanically decoupled six-axis force/torque sensor. <i>Sensors and Actuators A: Physical</i> , 2014, 209, 41-51.	4.1	109
17	BALANCING STRATEGY USING THE PRINCIPLE OF ENERGY CONSERVATION FOR A HOPPING HUMANOID ROBOT. <i>International Journal of Humanoid Robotics</i> , 2013, 10, 1350020.	1.1	7
18	Design of a Walking Assistance Lower Limb Exoskeleton for Paraplegic Patients and Hardware Validation Using CoP. <i>International Journal of Advanced Robotic Systems</i> , 2013, 10, 113.	2.1	42

#	ARTICLE	IF	CITATIONS
19	A Study on the Development of an Automated Freeform Fabrication System and Construction Materials. Journal of the Korean Society of Civil Engineers, 2013, 33, 1665-1673.	0.1	5
20	Development of an Automated Freeform Construction System and its Construction Materials. , 2013, , .		8
21	Online Balance Controllers for a Hopping and Running Humanoid Robot. Advanced Robotics, 2011, 25, 1209-1225.	1.8	33
22	Adaptive walking pattern generation and balance control of the passenger-carrying biped robot, HUBO FX-1, for variable passenger weights. Autonomous Robots, 2011, 30, 427-443.	4.8	15
23	Walking Pattern Generation for a Biped Walking Robot Using Convolution Sum. Advanced Robotics, 2011, 25, 1115-1137.	1.8	9
24	Walking Control Using Phase Plane of a Hydraulic Biped Humanoid Robot. Journal of Institute of Control, Robotics and Systems, 2011, 17, 269-276.	0.2	4
25	Weight-adaptive walking of the passenger-carrying biped robot, HUBO FX-1. , 2010, , .		3
26	Error Analysis and Effective Adjustment of the Walking-Ready Posture for a Biped Humanoid Robot. Advanced Robotics, 2010, 24, 2137-2169.	1.8	6
27	Design and Parametric Analysis of Axial Flux PM Motors With Minimized Cogging Torque. IEEE Transactions on Magnetics, 2009, 45, 2855-2858.	2.1	42
28	A mathematical model for mapping EMG signal to joint torque for the human elbow joint using nonlinear regression. , 2009, , .		14
29	Adjustment of Home Posture of Biped Humanoid Robot Using Sensory Feedback Control. Journal of Intelligent and Robotic Systems: Theory and Applications, 2008, 51, 421-438.	3.4	12
30	Adjustment of home posture of a biped humanoid robot using an inertial sensor and force torque sensors. , 2007, , .		6
31	Walking pattern generation of a biped walking robot using convolution sum. , 2007, , .		4
32	Realization of dynamic walking for the humanoid robot platform KHR-1. Advanced Robotics, 2004, 18, 749-768.	1.8	45
33	Development of an above knee prosthesis using MR damper and leg simulator. , 0, , .		46