Jung Hoon Kim

List of Publications by Year
in descending order

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Version: 2024-02-01

		759233	610901
33	684	12	24
papers	citations	h-index	g-index

33	33	33	620
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Shape optimization of a mechanically decoupled six-axis force/torque sensor. Sensors and Actuators A: Physical, 2014, 209, 41-51.	4.1	109
2	3D Concrete Printing: A Systematic Review of Rheology, Mix Designs, Mechanical, Microstructural, and Durability Characteristics. Materials, 2021, 14, 3800.	2.9	85
3	Design of a Knee Exoskeleton Using Foot Pressure and Knee Torque Sensors. International Journal of Advanced Robotic Systems, 2015, 12, 112.	2.1	53
4	Development of an above knee prosthesis using MR damper and leg simulator. , 0, , .		46
5	Realization of dynamic walking for the humanoid robot platform KHR-1. Advanced Robotics, 2004, 18, 749-768.	1.8	45
6	Design and Parametric Analysis of Axial Flux PM Motors With Minimized Cogging Torque. IEEE Transactions on Magnetics, 2009, 45, 2855-2858.	2.1	42
7	Design of a Walking Assistance Lower Limb Exoskeleton for Paraplegic Patients and Hardware Validation Using CoP. International Journal of Advanced Robotic Systems, 2013, 10, 113.	2.1	42
8	Multi-Axis Force-Torque Sensors for Measuring Zero-Moment Point in Humanoid Robots: A Review. IEEE Sensors Journal, 2020, 20, 1126-1141.	4.7	41
9	Use of municipal solid waste incineration ash in 3D printable concrete. Chemical Engineering Research and Design, 2020, 142, 219-228.	5.6	34
10	Online Balance Controllers for a Hopping and Running Humanoid Robot. Advanced Robotics, 2011, 25, 1209-1225.	1.8	33
11	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
12	A mathematical model for mapping EMG signal to joint torque for the human elbow joint using nonlinear regression. , 2009, , .		14
13	Visualization of Concrete Slump Flow Using the Kinect Sensor. Sensors, 2018, 18, 771.	3.8	14
14	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
15	Design and optimization of a robotic gripper for the FEM assembly process of vehicles. Mechanism and Machine Theory, 2018, 129, 1-16.	4.5	12
16	Framework for technical specifications of 3D concrete printers. Automation in Construction, 2021, 127, 103732.	9.8	11
17	Walking Pattern Generation for a Biped Walking Robot Using Convolution Sum. Advanced Robotics, 2011, 25, 1115-1137.	1.8	9
18	Development of an Automated Freeform Construction System and its Construction Materials. , 2013, , .		8

#	Article	IF	Citations
19	BALANCING STRATEGY USING THE PRINCIPLE OF ENERGY CONSERVATION FOR A HOPPING HUMANOID ROBOT. International Journal of Humanoid Robotics, 2013, 10, 1350020.	1.1	7
20	Adjustment of home posture of a biped humanoid robot using an inertial sensor and force torque sensors. , 2007, , .		6
21	Error Analysis and Effective Adjustment of the Walking-Ready Posture for a Biped Humanoid Robot. Advanced Robotics, 2010, 24, 2137-2169.	1.8	6
22	Terrain Feature Estimation Method for a Lower Limb Exoskeleton Using Kinematic Analysis and Center of Pressure. Sensors, 2019, 19, 4418.	3.8	6
23	Optimal design of a mechanically decoupled six-axis force/torque sensor based on the principal cross coupling minimization. , 2014, , .		5
24	Effects of a continuous lateral turning device on pressure relief. Journal of Physical Therapy Science, 2016, 28, 460-466.	0.6	5
25	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
26	Walking pattern generation of a biped walking robot using convolution sum. , 2007, , .		4
27	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
28	Weight-adaptive walking of the passenger-carrying biped robot, HUBO FX-1. , 2010, , .		3
29	Development of Foot Modules of an Exoskeleton Equipped with Multiple Sensors for Detecting Walking Phase and Intent. Applied Mechanics and Materials, 2015, 752-753, 1016-1021.	0.2	2
30	Fully Bayesian Prediction Algorithms for Mobile Robotic Sensors under Uncertain Localization Using Gaussian Markov Random Fields. Sensors, 2018, 18, 2866.	3.8	2
31	Multi-Axis Force-Torque Sensor. , 2018, , 1-14.		2
32	Development of Exoskeleton 4-Bar Linkage Gripper for Front End Module (FEM) Assembly Process. Applied Mechanics and Materials, 2015, 752-753, 1022-1026.	0.2	1
33	Multi-Axis Force-Torque Sensor. , 2019, , 2483-2496.		1