Jung-Yup Kim

List of Publications by Year
in descending order

36 papers	890 citations	759233 12 h-index	526287 27 g-index
36 all docs	36 docs citations	36 times ranked	657 citing authors

#	Article	IF	Citations
1	Vision-Guided Six-Legged Walking of Little Crabster Using a Kinect Sensor. Applied Sciences (Switzerland), 2022, 12, 2140.	2.5	1
2	Effective Ground-Adaptive Walking Strategy for Biped Robots Using Center-of-Mass-Inverse Kinematics and Model Switching. Journal of the Korean Society of Manufacturing Technology Engineers, 2022, 31, 123-133.	0.2	0
3	Balance Control Strategy of Biped Walking Robot SUBO-1 Based on Force-Position Hybrid Control. International Journal of Precision Engineering and Manufacturing, 2021, 22, 161-175.	2.2	6
4	Gait training algorithm based on inverse dynamics of walking rehabilitation robot, DDgo Pro. Intelligent Service Robotics, 2021, 14, 143-155.	2.6	2
5	Power assistance algorithm of an E-Trike for older adults based on inverse dynamics. Intelligent Service Robotics, 2021, 14, 519-534.	2.6	0
6	Development and Evaluation of a Hybrid Walking Rehabilitation Robot, DDgo Pro. International Journal of Precision Engineering and Manufacturing, 2020, 21, 2105-2115.	2.2	6
7	Gait Training Algorithm of an End-Effector Typed Hybrid Walking Rehabilitation Robot. International Journal of Precision Engineering and Manufacturing, 2019, 20, 1767-1775.	2.2	4
8	Development of a Lower Limb Exoskeleton Worn on the Front of a Human. Journal of Intelligent and Robotic Systems: Theory and Applications, 2019, 96, 49-64.	3.4	8
9	Dynamic Posture Stabilization of a Biped Robot SUBO-1 on Slope-Changing Grounds. International Journal of Precision Engineering and Manufacturing, 2018, 19, 1003-1009.	2.2	17
10	Six-legged walking of â€œLittle Crabsterâ€•on uneven terrain. International Journal of Precision Engineering and Manufacturing, 2017, 18, 509-518.	2.2	8
11	Walking algorithm for a robotic transfemoral prosthesis capable of walking pattern recognition and posture stabilization. Advanced Robotics, 2017, 31, 965-989.	1.8	5
12	ZMP Tracking Control of an Android Robot Leg on Slope-Changing Ground Using Disturbance Observer and Dual Plant Models. International Journal of Humanoid Robotics, 2016, 13, 1550043.	1.1	3
13	Dynamic Balance Control Algorithm of a Six-Legged Walking Robot, Little Crabster. Journal of Intelligent and Robotic Systems: Theory and Applications, 2015, 78, 47-64.	3.4	14
14	Mechanical design of powered prosthetic leg and walking pattern generation based on motion capture data. Advanced Robotics, 2015, 29, 1061-1079.	1.8	26
15	Design of six-legged walking robot, Little Crabster for underwater walking and operation. Advanced Robotics, 2014, 28, 77-89.	1.8	43
16	Design, motion planning and control of frozen shoulder rehabilitation robot. International Journal of Precision Engineering and Manufacturing, 2014, 15, 1875-1881.	2.2	7
17	DEVELOPMENT AND WALKING CONTROL OF EMOTIONAL HUMANOID ROBOT, KIBO. International Journal of Humanoid Robotics, 2013, 10, 1350024.	1.1	7
18	Head alignment of a single-beam scanning sonar installed on a multi-legged underwater robot. , 2012, , .		3

#	Article	IF	Citations
19	Mechanical design of six-legged walking robot, Little Crabster. , 2012, , .		13
20	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
21	DEVELOPMENT OF MOTION CAPTURE SYSTEM USING DUAL VIDEO CAMERAS FOR THE GAIT DESIGN OF A BIPED ROBOT. International Journal of Humanoid Robotics, 2011, 08, 275-299.	1.1	3
22	WALKING PATTERN MAPPING FROM IMPERFECT MOTION CAPTURE DATA ONTO BIPED HUMANOID ROBOTS. International Journal of Humanoid Robotics, 2010, 07, 127-156.	1.1	6
23	Error Analysis and Effective Adjustment of the Walking-Ready Posture for a Biped Humanoid Robot. Advanced Robotics, 2010, 24, 2137-2169.	1.8	6
24	EXPERIMENTAL REALIZATION OF DYNAMIC STAIR CLIMBING AND DESCENDING OF BIPED HUMANOID ROBOT, HUBO. International Journal of Humanoid Robotics, 2009, 06, 205-240.	1.1	6
25	Realization of Dynamic Stair Climbing for Biped Humanoid Robot Using Force/Torque Sensors. Journal of Intelligent and Robotic Systems: Theory and Applications, 2009, 56, 389-423.	3.4	21
26	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
27	Online Walking Pattern Generation and Its Application to a Biped Humanoid Robot â€" KHR-3 (HUBO). Advanced Robotics, 2008, 22, 159-190.	1.8	46
28	Adjustment of home posture of a biped humanoid robot using an inertial sensor and force torque sensors. , 2007, , .		6
29	Stretch-legged walking in sagittal plane. , 2007, , .		4
30	Mechanical design of the humanoid robot platform, HUBO. Advanced Robotics, 2007, 21, 1305-1322.	1.8	141
31	Experimental realization of dynamic walking for a human-riding biped robot, HUBO FX-1. Advanced Robotics, 2007, 21, 461-484.	1.8	47
32	Walking Control Algorithm of Biped Humanoid Robot on Uneven and Inclined Floor. Journal of Intelligent and Robotic Systems: Theory and Applications, 2007, 48, 457-484.	3.4	196
33	Online Biped Walking Pattern Generation for Humanoid Robot KHR-3(KAIST Humanoid Robot - 3: HUBO). , 2006, , .		38
34	DEVELOPMENT OF HUMANOID ROBOT PLATFORM KHR-2 (KAIST HUMANOID ROBOT 2). International Journal of Humanoid Robotics, 2005, 02, 519-536.	1.1	42
35	Development of humanoid robot platform KHR-2 (KAIST humanoid robot-2). , 0, , .		9
36	Mechanical design of humanoid robot platform KHR-3 (KAIST humanoid robot - 3: HUBO). , 0, , .		119