Woolim Hong

List of Publications by Year
in descending order

12 papers	124 citations	1937685 4 h-index	1872680 6 g-index
12 all docs	12 docs citations	12 times ranked	26 citing authors

#	Article	IF	Citations
1	Continuous Gait Phase Estimation Using LSTM for Robotic Transfemoral Prosthesis Across Walking Speeds. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2021, 29, 1470-1477.	4.9	30
2	A Phase-Shifting Based Human Gait Phase Estimation for Powered Transfemoral Prostheses. IEEE Robotics and Automation Letters, 2021, 6, 5113-5120.	5.1	28
3	Consolidated control framework to control a powered transfemoral prosthesis over inclined terrain conditions. , 2019, , .		18
4	Upslope walking with transfemoral prosthesis using optimization based spline generation. , 2016, , .		13
5	Impedance Control of a Transfemoral Prosthesis using Continuously Varying Ankle Impedances and Multiple Equilibria. , 2020, , .		9
6	Design of 3D printable prosthetic foot to implement nonlinear stiffness behavior of human toe joint based on finite element analysis. Scientific Reports, 2021, 11, 19780.	3.3	9
7	Control Framework for Sloped Walking With a Powered Transfemoral Prosthesis. Frontiers in Neurorobotics, 2021, 15, 790060.	2.8	9
8	3D-Printable Toe-joint Design of Prosthetic Foot. , 2021, , .		2
9	Structural design for energy absorption during heel strike using the auxetic structure in the heel part of the prosthetic foot. , 2021, , .		2
10	Effect of Torso Kinematics on Gait Phase Estimation at Different Walking Speeds. Frontiers in Neurorobotics, 2022, 16, 807826.	2.8	2
11	Control of a Transfemoral Prosthesis on Sloped Terrain using Continuous and Nonlinear Impedance Parameters. , 2021, , .		1
12	Biomechanical Impacts of Toe Joint With Transfemoral Amputee Using a Powered Knee-Ankle Prosthesis. Frontiers in Neurorobotics, 2022, 16, 809380.	2.8	1