

Woolim Hong

List of Publications by Year in descending order

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Version: 2024-02-01

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