Guoping Zhao

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3309401/publications.pdf

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14	242	1040056 9	1474206 9
papers	citations	h-index	g-index

15	15	15	187
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Soft pneumatic elbow exoskeleton reduces the muscle activity, metabolic cost and fatigue during holding and carrying of loads. Scientific Reports, 2021, 11, 12556.	3.3	30
2	The mechanisms and mechanical energy of human gait initiation from the lower-limb joint level perspective. Scientific Reports, 2021, 11, 22473.	3.3	9
3	Lower limb joint biomechanics-based identification of gait transitions in between level walking and stair ambulation. PLoS ONE, 2020, 15, e0239148.	2.5	17
4	Bio-inspired neuromuscular reflex based hopping controller for a segmented robotic leg. Bioinspiration and Biomimetics, 2020, 15, 026007.	2.9	14
5	Bio-Inspired Balance Control Assistance Can Reduce Metabolic Energy Consumption in Human Walking. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2019, 27, 1760-1769.	4.9	19
6	A deep reinforcement learning based approach towards generating human walking behavior with a neuromuscular model. , 2019, , .		9
7	Modular Composition of Human Gaits Through Locomotor Subfunctions and Sensor-Motor-Maps. Biosystems and Biorobotics, 2019, , 339-343.	0.3	0
8	A Movement Manipulator to Introduce Temporary and Local Perturbations in Human Hopping. , 2018, , .		1
9	A Robust Methodology for the Reconstruction of the Vertical Pedestrian-Induced Load from the Registered Body Motion. Vibration, 2018, 1, 250-268.	1.9	17
10	Template model inspired leg force feedback based control can assist human walking. , 2017, 2017, 473-478.		22
11	Electric-Pneumatic Actuator: A New Muscle for Locomotion. Actuators, 2017, 6, 30.	2.3	23
12	Locomotor Sub-functions for Control of Assistive Wearable Robots. Frontiers in Neurorobotics, 2017, 11, 44.	2.8	11
13	A new biarticular actuator design facilitates control of leg function in BioBiped3. Bioinspiration and Biomimetics, 2016, 11, 046003.	2.9	69
14	CONTRIBUTIONS OF STANCE AND SWING LEG MOVEMENTS TO HUMAN WALKING DYNAMICS. , 2015, , .		1