

# Guoping Zhao

## List of Publications by Year in descending order

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

Version: 2024-02-01

14  
papers

242  
citations

1040056

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h-index

1474206

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15  
all docs

15  
docs citations

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times ranked

187  
citing authors

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