

Jiyeon Kang

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

243
citations

1162889

8
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1058333

14
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28
all docs

28
docs citations

28
times ranked

272
citing authors

#	ARTICLE	IF	CITATIONS
1	A data analytic end-to-end framework for the automated quantification of ergonomic risk factors across multiple tasks using a single wearable sensor. Applied Ergonomics, 2022, 102, 103732.	1.7	9
2	Getting a Grip on the Impact of Incidental Feedback From Body-Powered and Myoelectric Prostheses. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2021, 29, 1905-1912.	2.7	12
3	A Novel 3-RRR Spherical Parallel Instrument for Daily Living Emulation (SPINDLE) for Functional Rehabilitation of Patients with Stroke. International Journal of Advanced Robotic Systems, 2021, 18, 172988142110123.	1.3	6
4	A novel framework for designing a multi-DoF prosthetic wrist control using machine learning. Scientific Reports, 2021, 11, 15050.	1.6	4
5	Acute Effects of a Perturbation-Based Balance Training on Cognitive Performance in Healthy Older Adults: A Pilot Study. Frontiers in Sports and Active Living, 2021, 3, 688519.	0.9	4
6	Personalized and Nonparametric Framework for Detecting Changes in Gait Cycles. IEEE Sensors Journal, 2021, 21, 19236-19246.	2.4	9
7	A Cable-actuated Prosthetic Emulator for Transradial Amputees. , 2021, 2021, 4529-4532.		2
8	Spherical Parallel Instrument for Daily Living Emulation (SPINDLE) to Restore Motor Function of Stroke Survivors. , 2020, , .		0
9	Promoting Functional and Independent Sitting in Children With Cerebral Palsy Using the Robotic Trunk Support Trainer. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 2995-3004.	2.7	18
10	Challenges and Opportunities for Statistical Monitoring of Gait Cycle Acceleration Observed from IMU Data for Fatigue Detection. , 2020, , .		5
11	Walking With a Weighted Pelvic Belt or With an Equivalent Pure Downward Force on the Pelvis: Are These Different?. IEEE Robotics and Automation Letters, 2019, 4, 309-314.	3.3	0
12	A Haptic Object to Quantify the Effect of Feedback Modality on Prosthetic Grasping. IEEE Robotics and Automation Letters, 2019, 4, 1101-1108.	3.3	4
13	Effects of repeated waist-pull perturbations on gait stability in subjects with cerebellar ataxia. Journal of NeuroEngineering and Rehabilitation, 2019, 16, 50.	2.4	10
14	Simulating Hemiparetic Gait in Healthy Subjects Using TPAD With a Closed-Loop Controller. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2019, 27, 974-983.	2.7	5
15	A Perturbation-based Gait Training with Multidirectional Waist-Pulls Generalizes to Split-Belt Treadmill Slips. , 2018, , .		8
16	Walking with a Weighted Pelvic Belt or with an Equivalent Pure Downward Force on the Pelvis: Are These Different?. , 2018, , .		0
17	ROBOT-ENHANCED WALKERS FOR TRAINING OF CHILDREN WITH CEREBRAL PALSY: PILOT STUDIES. , 2018, , 217-240.		1
18	On the Adaptation of Pelvic Motion by Applying 3-dimensional Guidance Forces Using TPAD. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2017, 25, 1558-1567.	2.7	17

#	ARTICLE	IF	CITATIONS
19	Robot-driven downward pelvic pull to improve crouch gait in children with cerebral palsy. Science Robotics, 2017, 2, .	9.9	45
20	A single session of perturbation-based gait training with the A-TPAD improves dynamic stability in healthy young subjects. , 2017, 2017, 479-484.		14
21	Enhancing Seated Stability Using Trunk Support Trainer (TruST). IEEE Robotics and Automation Letters, 2017, 2, 1609-1616.	3.3	20
22	Adaptation of Stability during Perturbed Walking in Parkinson's Disease. Scientific Reports, 2017, 7, 17875.	1.6	33
23	Robot-Enhanced Mobility Training of Children With Cerebral Palsy: Short-Term and Long-Term Pilot Studies. IEEE Systems Journal, 2016, 10, 1098-1106.	2.9	4
24	Design of a novel assist interface where toddlers walk with a mobile robot supported at the waist. , 2015, , .		1
25	A novel assist-as-needed control method to guide pelvic trajectory for gait rehabilitation. , 2015, , .		8
26	A chase-game to teach children on a robot to follow moving objects. , 2014, , .		3
27	Case studies of a robot enhanced walker for training of children with cerebral palsy. , 2013, , .		1
28	On the comfortableness of muscle power assistive robotic system. , 2012, , .		0