

Jiyeon Kang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9170570/publications.pdf>

Version: 2024-02-01

28
papers

243
citations

1162889

8
h-index

1058333

14
g-index

28
all docs

28
docs citations

28
times ranked

272
citing authors

#	ARTICLE	IF	CITATIONS
1	Robot-driven downward pelvic pull to improve crouch gait in children with cerebral palsy. <i>Science Robotics</i> , 2017, 2, .	9.9	45
2	Adaptation of Stability during Perturbed Walking in Parkinson's Disease. <i>Scientific Reports</i> , 2017, 7, 17875.	1.6	33
3	Enhancing Seated Stability Using Trunk Support Trainer (TruST). <i>IEEE Robotics and Automation Letters</i> , 2017, 2, 1609-1616.	3.3	20
4	Promoting Functional and Independent Sitting in Children With Cerebral Palsy Using the Robotic Trunk Support Trainer. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2020, 28, 2995-3004.	2.7	18
5	On the Adaptation of Pelvic Motion by Applying 3-dimensional Guidance Forces Using TPAD. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2017, 25, 1558-1567.	2.7	17
6	A single session of perturbation-based gait training with the A-TPAD improves dynamic stability in healthy young subjects. , 2017, 2017, 479-484.		14
7	Getting a Grip on the Impact of Incidental Feedback From Body-Powered and Myoelectric Prostheses. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2021, 29, 1905-1912.	2.7	12
8	Effects of repeated waist-pull perturbations on gait stability in subjects with cerebellar ataxia. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2019, 16, 50.	2.4	10
9	Personalized and Nonparametric Framework for Detecting Changes in Gait Cycles. <i>IEEE Sensors Journal</i> , 2021, 21, 19236-19246.	2.4	9
10	A data analytic end-to-end framework for the automated quantification of ergonomic risk factors across multiple tasks using a single wearable sensor. <i>Applied Ergonomics</i> , 2022, 102, 103732.	1.7	9
11	A novel assist-as-needed control method to guide pelvic trajectory for gait rehabilitation. , 2015, , .		8
12	A Perturbation-based Gait Training with Multidirectional Waist-Pulls Generalizes to Split-Belt Treadmill Slips. , 2018, , .		8
13	A Novel 3-RRR Spherical Parallel Instrument for Daily Living Emulation (SPINDLE) for Functional Rehabilitation of Patients with Stroke. <i>International Journal of Advanced Robotic Systems</i> , 2021, 18, 172988142110123.	1.3	6
14	Simulating Hemiparetic Gait in Healthy Subjects Using TPAD With a Closed-Loop Controller. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2019, 27, 974-983.	2.7	5
15	Challenges and Opportunities for Statistical Monitoring of Gait Cycle Acceleration Observed from IMU Data for Fatigue Detection. , 2020, , .		5
16	Robot-Enhanced Mobility Training of Children With Cerebral Palsy: Short-Term and Long-Term Pilot Studies. <i>IEEE Systems Journal</i> , 2016, 10, 1098-1106.	2.9	4
17	A Haptic Object to Quantify the Effect of Feedback Modality on Prosthetic Grasping. <i>IEEE Robotics and Automation Letters</i> , 2019, 4, 1101-1108.	3.3	4
18	A novel framework for designing a multi-DoF prosthetic wrist control using machine learning. <i>Scientific Reports</i> , 2021, 11, 15050.	1.6	4

#	ARTICLE	IF	CITATIONS
19	Acute Effects of a Perturbation-Based Balance Training on Cognitive Performance in Healthy Older Adults: A Pilot Study. <i>Frontiers in Sports and Active Living</i> , 2021, 3, 688519.	0.9	4
20	A chase-game to teach children on a robot to follow moving objects. , 2014, , .		3
21	A Cable-actuated Prosthetic Emulator for Transradial Amputees. , 2021, 2021, 4529-4532.		2
22	Case studies of a robot enhanced walker for training of children with cerebral palsy. , 2013, , .		1
23	Design of a novel assist interface where toddlers walk with a mobile robot supported at the waist. , 2015, , .		1
24	ROBOT-ENHANCED WALKERS FOR TRAINING OF CHILDREN WITH CEREBRAL PALSY: PILOT STUDIES. , 2018, , 217-240.		1
25	On the comfortableness of muscle power assistive robotic system. , 2012, , .		0
26	Walking with a Weighted Pelvic Belt or with an Equivalent Pure Downward Force on the Pelvis: Are These Different?. , 2018, , .		0
27	Walking With a Weighted Pelvic Belt or With an Equivalent Pure Downward Force on the Pelvis: Are These Different?. <i>IEEE Robotics and Automation Letters</i> , 2019, 4, 309-314.	3.3	0
28	Spherical Parallel Instrument for Daily Living Emulation (SPINDLE) to Restore Motor Function of Stroke Survivors. , 2020, , .		0