Kuo Chen

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/11206417/publications.pdf

Version: 2024-02-01

19	225	1683354	2053342
papers	citations	5	5
		h-index	g-index

19	19	19	198
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Gaussian Processes Model-Based Control of Underactuated Balance Robots. , 2019, , .		16
2	Control of a Two-Wheel Steering Bikebot for Agile Maneuvers. , 2019, , .		3
3	Inertial Sensor-Based Slip Detection in Human Walking. IEEE Transactions on Automation Science and Engineering, 2019, 16, 1399-1411.	3.4	33
4	Bipedal Model and Hybrid Zero Dynamics of Human Walking With Foot Slip. Journal of Computational and Nonlinear Dynamics, 2019, 14, .	0.7	7
5	Learning Hardware Dynamics Model from Experiments for Locomotion Optimization. , 2018, , .		2
6	Hybrid zero dynamics of human biped walking with foot slip. , 2017, , .		9
7	Disturbance observer-based balance control of robotic biped walkers under slip. , 2017, , .		1
8	Learning-based modeling and control of underactuated balance robotic systems. , 2017, , .		2
9	Balance recovery control of human walking with foot slip. , 2016, , .		9
10	An integrated physical-learning model of physical human-robot interactions with application to pose estimation in bikebot riding. International Journal of Robotics Research, 2016, 35, 1459-1476.	5.8	20
11	On the relationship between manifold learning latent dynamics and zero dynamics for human bipedal walking. , 2015, , .		3
12	Whole-Body Pose Estimation in Human Bicycle Riding Using a Small Set of Wearable Sensors. IEEE/ASME Transactions on Mechatronics, 2015, , 1-1.	3.7	37
13	Slip detection and prediction in human walking using only wearable inertial measurement units (IMUs). , 2015, , .		4
14	A robotic bipedal model for human walking with slips. , 2015, , .		23
15	Pose estimation in physical human-machine interactions with application to bicycle riding. , 2014, , .		8
16	An Integrated Physical-Learning Model of Physical Human-Robot Interactions: A Bikebot Riding Example. , 2014, , .		4
17	Rider Trunk and Bicycle Pose Estimation With Fusion of Force/Inertial Sensors. IEEE Transactions on Biomedical Engineering, 2013, 60, 2541-2551.	2.5	38
18	Modeling of rider-bicycle interactions with learned dynamics on constrained embedding manifolds. , 2013, , .		3

#	Article	IF	Citations
19	Dynamic rider/bicycle pose estimation with force/IMU measurements. , 2013, , .		3