

Itthisek Nilkhamhang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10244167/publications.pdf>

Version: 2024-02-01

47
papers

239
citations

1684188

5
h-index

1720034

7
g-index

47
all docs

47
docs citations

47
times ranked

213
citing authors

#	ARTICLE	IF	CITATIONS
1	Swing Phase Control of Semi-Active Prosthetic Knee Using Neural Network Predictive Control With Particle Swarm Optimization. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2016, 24, 1169-1178.	4.9	30
2	Learning Proxemics for Personalized Human-Robot Social Interaction. International Journal of Social Robotics, 2020, 12, 267-280.	4.6	26
3	Force control of a magnetorheological damper using an elementary hysteresis model-based feedforward neural network. Smart Materials and Structures, 2013, 22, 115030.	3.5	14
4	Quadrotor tuning for attitude control based on double-loop PID controller using fictitious reference iterative tuning (FRIT). , 2015, , .		14
5	Mobile robot navigation for human-robot social interaction. , 2016, , .		10
6	Adaptive backstepping sliding-mode controller with bound estimation for underwater robotics vehicles. , 2012, , .		9
7	Wireless smart shoe for gait analysis with automated thresholding using PSO. , 2013, , .		9
8	Passenger estimation system using Wi-Fi probe request. , 2016, , .		9
9	ADAPTIVE SEMI-ACTIVE CONTROL OF SUSPENSION SYSTEM WITH MR DAMPER. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2007, 40, 191-196.	0.4	8
10	Model-based adaptive friction compensation for accurate position control. , 2008, , .		8
11	A novel approach to model magneto-rheological dampers using EHM with a feed-forward neural network. ScienceAsia, 2012, 38, 386.	0.5	8
12	Robust implementation of hand gesture recognition for remote human-machine interaction. , 2015, , .		7
13	Quadrotor tuning for attitude control based on PID controller using fictitious reference iterative tuning (FRIT). , 2015, , .		7
14	Development of Computer Vision-Based Movement Controlling in Mecanum Wheel Robotic Car. , 2019, , .		7
15	Development of Autonomous Mobile Robot Platform with Mecanum Wheels. , 2019, , .		6
16	V2V Network Topologies for Vehicle Platoons with Cooperative State Variable Feedback Control. , 2021, , .		6
17	Adaptive Compensation of a Linearly-Parameterized GMS Friction Model with Parameter Projection. , 2006, , .		5
18	Adaptive Friction Compensation using the GMS Model with Polynomial Stribeck Function. , 2006, , .		5

#	ARTICLE	IF	CITATIONS
19	Variable walking speed controller of MR damper prosthetic knee using neural network predictive control. , 2014, , .		4
20	Learning social relations for culture aware interaction. , 2017, , .		4
21	Real-Time Monitoring System for University Buses using Available WiFi Networks and Travel Time Prediction. , 2018, , .		4
22	Adaptive friction compensation using the GMS model with polynomial stribeck function. , 2006, , .		3
23	Force estimation using piezoelectric actuator with adaptive control. , 2009, , .		3
24	A control of MR damper using feed-forward neural network without force sensor. , 2011, , .		3
25	Underwater positioning systems for underwater robots using trilateration algorithm. , 2015, , .		3
26	Experiment on Real-Time Image Processing in the Controlling of Mecanum Wheel Robotic Car. , 2019, , .		3
27	A Virtual Spring Damper Method for Formation Control of the Multi Omni-directional Robots in Cooperative Transportation. , 2019, , .		3
28	Adaptive semi-active vibration isolation considering uncertainties of MR damper and suspension structure. , 2007, , .		2
29	Stability-assured robust adaptive control of semi-active suspension systems. , 2008, , .		2
30	Informative frame classification method for real-time analysis of colonoscopy video. , 2009, , .		2
31	Unmanned aerial vehicle for observing landslide with iterative feedback tuning. , 2013, , .		2
32	Electrical Modeling of Dynamical Interaction among Intracranial Pressure, Intraocular Pressure, Cerebral Perfusion Pressure, and Arterial Blood Pressure. , 2019, , .		2
33	Feedforward parameter identification by output oversampling iterative tuning. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2004, 37, 801-806.	0.4	1
34	Iterative Tuning of Feedforward and Feedback Controllers with Physical Parameter Identification for Two-Mass System. IEEJ Transactions on Electronics, Information and Systems, 2006, 126, 533-541.	0.2	1
35	Adaptive Linearization for Power Amplifier in OFDM Systems. , 2006, , .		1
36	Particle Swarm Optimization for Identification of GMS Friction Model. , 2006, , .		1

#	ARTICLE	IF	CITATIONS
37	Adaptive semiactive suspension system by linearly parameterized controller. , 2007, , .		1
38	Robust adaptive friction compensation using linearly-parameterized GMS model. , 2007, , .		1
39	Eye state recognition using the hamming distances of eye image intensities. , 2017, , .		1
40	Acoustic underwater positioning system using fast fourier transform and trilateration algorithm. , 2017, , .		1
41	Glocal controller-based formation control strategy for flexible material handling. , 2017, , .		1
42	Glocal Control for Mecanum-Wheeled Vehicle with Slip Compensation. , 2018, , .		1
43	Distributed Model Reference Control for Cooperative Tracking of Vehicle Platoons Subjected to External Disturbances and Bounded Leader Input. International Journal of Control, Automation and Systems, 0, , .	2.7	1
44	Robust Adaptive Approach to Semi-active Control of Suspension Systems with MR Damper. SICE Journal of Control Measurement and System Integration, 2008, 1, 26-32.	0.7	0
45	Cauldron: A real-time pictorial compositional tool in VR for visual artist. , 2017, , .		0
46	Command-Based Object Manipulation in Virtual Reality for Visualization and Design Tasks. , 2018, , .		0
47	A Case Study of EV Control on Slip Surface based on Driving Force Distribution and Hierarchical LQR. , 2019, , .		0