

# Itthisek Nilkhamhang

## List of Publications by Year in descending order

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47  
papers

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citations

1684188

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all docs

47  
docs citations

47  
times ranked

213  
citing authors

#	ARTICLE	IF	CITATIONS
1	V2V Network Topologies for Vehicle Platoons with Cooperative State Variable Feedback Control. , 2021, , .		6
2	Learning Proxemics for Personalized Human-Robot Social Interaction. International Journal of Social Robotics, 2020, 12, 267-280.	4.6	26
3	A Case Study of EV Control on Slip Surface based on Driving Force Distribution and Hierarchical LQR. , 2019, , .		0
4	Experiment on Real-Time Image Processing in the Controlling of Mecanum Wheel Robotic Car. , 2019, , .		3
5	Development of Autonomous Mobile Robot Platform with Mecanum Wheels. , 2019, , .		6
6	Development of Computer Vision-Based Movement Controlling in Mecanum Wheel Robotic Car. , 2019, , .		7
7	Electrical Modeling of Dynamical Interaction among Intracranial Pressure, Intraocular Pressure, Cerebral Perfusion Pressure, and Arterial Blood Pressure. , 2019, , .		2
8	A Virtual Spring Damper Method for Formation Control of the Multi Omni-directional Robots in Cooperative Transportation. , 2019, , .		3
9	Glocal Control for Mecanum-Wheeled Vehicle with Slip Compensation. , 2018, , .		1
10	Command-Based Object Manipulation in Virtual Reality for Visualization and Design Tasks. , 2018, , .		0
11	Real-Time Monitoring System for University Buses using Available WiFi Networks and Travel Time Prediction. , 2018, , .		4
12	Learning social relations for culture aware interaction. , 2017, , .		4
13	Eye state recognition using the hamming distances of eye image intensities. , 2017, , .		1
14	Cauldron: A real-time pictorial compositional tool in VR for visual artist. , 2017, , .		0
15	Acoustic underwater positioning system using fast fourier transform and trilateration algorithm. , 2017, , .		1
16	Glocal controller-based formation control strategy for flexible material handling. , 2017, , .		1
17	Mobile robot navigation for human-robot social interaction. , 2016, , .		10
18	Passenger estimation system using Wi-Fi probe request. , 2016, , .		9

#	ARTICLE	IF	CITATIONS
19	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
20	Quadrotor tuning for attitude control based on double-loop PID controller using fictitious reference iterative tuning (FRIT). , 2015, , .		14
21	Robust implementation of hand gesture recognition for remote human-machine interaction. , 2015, , .		7
22	Quadrotor tuning for attitude control based on PID controller using fictitious reference iterative tuning (FRIT). , 2015, , .		7
23	Underwater positioning systems for underwater robots using trilateration algorithm. , 2015, , .		3
24	Variable walking speed controller of MR damper prosthetic knee using neural network predictive control. , 2014, , .		4
25	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
26	Wireless smart shoe for gait analysis with automated thresholding using PSO. , 2013, , .		9
27	Unmanned aerial vehicle for observing landslide with iterative feedback tuning. , 2013, , .		2
28	Adaptive backstepping sliding-mode controller with bound estimation for underwater robotics vehicles. , 2012, , .		9
29	A novel approach to model magneto-rheological dampers using EHM with a feed-forward neural network. ScienceAsia, 2012, 38, 386.	0.5	8
30	A control of MR damper using feed-forward neural network without force sensor. , 2011, , .		3
31	Force estimation using piezoelectric actuator with adaptive control. , 2009, , .		3
32	Informative frame classification method for real-time analysis of colonoscopy video. , 2009, , .		2
33	Model-based adaptive friction compensation for accurate position control. , 2008, , .		8
34	Stability-assured robust adaptive control of semi-active suspension systems. , 2008, , .		2
35	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
36	Adaptive semiactive suspension system by linearly parameterized controller. , 2007, , .		1

#	ARTICLE	IF	CITATIONS
37	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
38	Adaptive semi-active vibration isolation considering uncertainties of MR damper and suspension structure. , 2007, , .		2
39	Robust adaptive friction compensation using linearly-parameterized GMS model. , 2007, , .		1
40	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
41	Adaptive Linearization for Power Amplifier in OFDM Systems. , 2006, , .		1
42	Adaptive friction compensation using the GMS model with polynomial stribeck function. , 2006, , .		3
43	Particle Swarm Optimization for Identification of GMS Friction Model. , 2006, , .		1
44	Adaptive Compensation of a Linearly-Parameterized GMS Friction Model with Parameter Projection. , 2006, , .		5
45	Adaptive Friction Compensation using the GMS Model with Polynomial Stribeck Function. , 2006, , .		5
46	Feedforward parameter identification by output oversampling iterative tuning. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2004, 37, 801-806.	0.4	1
47	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