

Vu Trieu Minh

List of Publications by Year in descending order

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54
papers

408
citations

759233
12
h-index

839539
18
g-index

54
all docs

54
docs citations

54
times ranked

326
citing authors

#	ARTICLE	IF	CITATIONS
1	Regression Models and Fuzzy Logic Prediction of TBM Penetration Rate. Open Engineering, 2017, 7, 60-68.	1.6	33
2	Modeling and model predictive control for hybrid electric vehicles. International Journal of Automotive Technology, 2012, 13, 477-485.	1.4	31
3	Stability for switched dynamic hybrid systems. Mathematical and Computer Modelling, 2013, 57, 78-83.	2.0	24
4	Automatic control of clutches and simulations for parallel hybrid vehicles. International Journal of Automotive Technology, 2012, 13, 645-651.	1.4	21
5	Modeling and Control of Distillation Column in a Petroleum Process. Mathematical Problems in Engineering, 2009, 2009, 1-14.	1.1	20
6	Feasible Path Planning for Autonomous Vehicles. Mathematical Problems in Engineering, 2014, 2014, 1-12.	1.1	20
7	A COMPARATIVE STUDY ON COMPUTATIONAL SCHEMES FOR NONLINEAR MODEL PREDICTIVE CONTROL. Asian Journal of Control, 2006, 8, 324-331.	3.0	18
8	Tracking setpoint robust model predictive control for input saturated and softened state constraints. International Journal of Control, Automation and Systems, 2011, 9, 958-965.	2.7	18
9	Fault Detection and Control of Process Systems. Mathematical Problems in Engineering, 2007, 2007, 1-20.	1.1	16
10	Development of a real-time clutch transition strategy for a parallel hybrid electric vehicle. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2012, 226, 188-203.	1.0	16
11	Fuzzy logic and slip controller of clutch and vibration for hybrid vehicle. International Journal of Control, Automation and Systems, 2013, 11, 526-532.	2.7	15
12	Conditions for stabilizability of linear switched systems. International Journal of Control, Automation and Systems, 2011, 9, 139-144.	2.7	14
13	Robustness of Model Predictive Control for Ill-Conditioned Distillation Process. Asia-Pacific Journal of Chemical Engineering, 2008, 13, 311-316.	0.0	12
14	Fault detection model-based controller for process systems. Asian Journal of Control, 2011, 13, 382-397.	3.0	12
15	Motion tracking glove for augmented reality and virtual reality. Paladyn, 2019, 10, 160-166.	2.7	12
16	Model Predictive Control for Autonomous Driving Vehicles. Electronics (Switzerland), 2021, 10, 2593.	3.1	11
17	Parallel Hybrid Electric Vehicle Modelling and Model Predictive Control. Applied Sciences (Switzerland), 2021, 11, 10668.	2.5	11
18	ROBUST MODEL PREDICTIVE CONTROL FOR INPUT SATURATED AND SOFTENED STATE CONSTRAINTS. Asian Journal of Control, 2008, 7, 319-325.	3.0	10

#	ARTICLE	IF	CITATIONS
19	Adaptive Teleoperation System with Neural Network-Based Multiple Model Control. Mathematical Problems in Engineering, 2010, 2010, 1-15.	1.1	9
20	Optimal Fuel Consumption Modelling, Simulation, and Analysis for Hybrid Electric Vehicles. Applied System Innovation, 2022, 5, 36.	4.6	9
21	Modeling and Adaptive Control Simulation for a Distillation Column. , 2012, , .		8
22	Clutch control and vibration reduction for a hybrid electric vehicle. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2012, 226, 867-874.	1.0	6
23	Simulation and control of hybrid electric vehicles. International Journal of Control, Automation and Systems, 2012, 10, 308-316.	2.7	6
24	Performances of PID and Different Fuzzy Methods for Controlling a Ball on Beam. Open Engineering, 2016, 6, .	1.6	6
25	Fuel economy regression analyses for hybrid electric vehicle. European Journal of Electrical Engineering, 2018, 20, 363-377.	0.3	5
26	Time forward observer based adaptive controller for a teleoperation system. International Journal of Control, Automation and Systems, 2011, 9, 470-477.	2.7	4
27	Development of Anti-lock Braking System (ABS) for Vehicles Braking. Open Engineering, 2016, 6, .	1.6	4
28	Automatic Clutch Engagement Control for Parallel Hybrid Electric Vehicle. Energies, 2021, 14, 7256.	3.1	4
29	Model Predictive Control for Modeling Human Gait Motions Assisted by Vicon Technology. Journal European Des Systemes Automatises, 2020, 53, 589-600.	0.4	4
30	Robust Model Predictive Control Schemes for Tracking Setpoints. Journal of Control Science and Engineering, 2010, 2010, 1-9.	1.0	3
31	Nonlinear Model Predictive Controller and Feasible Path Planning for Autonomous Robots. Open Computer Science, 2016, 6, 178-186.	1.7	3
32	Trajectory Generation for Autonomous Vehicles. , 2014, , 615-626.		3
33	Implementation of X-Parameters Principle for Non-linear Vibroacoustic Membrane Using Two-Port Measurement. Traitement Du Signal, 2019, 36, 297-301.	1.3	3
34	Feasible Trajectories Generation for Autonomous Driving Vehicles. Applied Sciences (Switzerland), 2021, 11, 11143.	2.5	3
35	Real-time control schemes for hybrid vehicle. , 2011, , .		2
36	Design and simulations of dual clutch transmission for hybrid electric vehicles. International Journal of Electric and Hybrid Vehicles, 2017, 9, 302.	0.3	2

#	ARTICLE	IF	CITATIONS
37	Modeling and robust control algorithms for a linear belt driven system. Open Computer Science, 2018, 8, 142-153.	1.7	2
38	Development and Simulation of an Adaptive Control System for the Teleoperation of Medical Robots. Advances in Mechatronics and Mechanical Engineering, 2013, , 173-185.	1.0	2
39	CONDITIONS FOR STABILIZABILITY OF LINEAR SWITCHED SYSTEMS. , 2011, , .		1
40	Vehicle Steering Dynamic Calculation and Simulation. Annals of DAAAM & Proceedings, 2012, , 0237-0242.	0.1	1
41	Development of a Wireless Sensor Network Combining MATLAB and Embedded Microcontrollers. Sensor Letters, 2015, 13, 1091-1096.	0.4	1
42	DEVELOPMENT OF A WIRELESS COMMUNICATION NETWORK FOR MONITORING AND CONTROLLING OF AUTONOMOUS ROBOTS. International Journal of Robotics and Automation, 2018, 33, .	0.1	1
43	Haptic Smart Glove for Augmented and Virtual Reality. Sensor Letters, 2019, 17, 358-364.	0.4	1
44	CONTROL OF RADIAL INCREMENT AND WINDING DENSITY OF COMPOSITE CYLINDRICAL SHELLS. MM Science Journal, 2020, 2020, 4149-4153.	0.4	1
45	Modeling and control of distillation column in a petroleum process. , 2010, , .		0
46	Development of a Fault Detection Model-Based Controller. , 2008, , 1-13.		0
47	RARX Estimator and Gain Scheduling Controller for On-Line Fault Detection Controller. International Journal of Automation Technology, 2010, 4, 53-57.	1.0	0
48	Trajectory Generation for Autonomous Mobile Robots. Studies in Computational Intelligence, 2014, , 195-214.	0.9	0
49	Human gait modeling in MatLab/Simulink. Izvestiĭ Vysĭkh Uĭebnyh Zavedenij Priborostroenie, 2016, , 690-694.	0.1	0
50	Design and simulations of dual clutch transmission for hybrid electric vehicles. International Journal of Electric and Hybrid Vehicles, 2017, 9, 302.	0.3	0
51	Smart Elbow Brace with Electromyography Sensors. Sensor Letters, 2018, 16, 924-930.	0.4	0
52	DESIGN AND IMPLEMENTATION OF A MECHATRONIC ELBOW ORTHOSIS. Mechatronic Systems and Control, 2020, 48, .	0.2	0
53	Design and Implementation of a Smart Mechatronic Elbow Brace. Advances in Computational Intelligence and Robotics Book Series, 2020, , 1-18.	0.4	0
54	Autonomous Vehicle Tracking Based on Non-Linear Model Predictive Control Approach. Advances in Computational Intelligence and Robotics Book Series, 2022, , 74-131.	0.4	0