

Vu Trieu Minh

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

408
citations

759055

12
h-index

839398

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. | 0.7 | 33 |
| 2 | Modeling and model predictive control for hybrid electric vehicles. International Journal of Automotive Technology, 2012, 13, 477-485. | 0.7 | 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. | 0.7 | 21 |
| 5 | Modeling and Control of Distillation Column in a Petroleum Process. Mathematical Problems in Engineering, 2009, 2009, 1-14. | 0.6 | 20 |
| 6 | Feasible Path Planning for Autonomous Vehicles. Mathematical Problems in Engineering, 2014, 2014, 1-12. | 0.6 | 20 |
| 7 | A COMPARATIVE STUDY ON COMPUTATIONAL SCHEMES FOR NONLINEAR MODEL PREDICTIVE CONTROL. Asian Journal of Control, 2006, 8, 324-331. | 1.9 | 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. | 1.6 | 18 |
| 9 | Fault Detection and Control of Process Systems. Mathematical Problems in Engineering, 2007, 2007, 1-20. | 0.6 | 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. | 0.7 | 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. | 1.6 | 15 |
| 12 | Conditions for stabilizability of linear switched systems. International Journal of Control, Automation and Systems, 2011, 9, 139-144. | 1.6 | 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. | 1.9 | 12 |
| 15 | Motion tracking glove for augmented reality and virtual reality. Paladyn, 2019, 10, 160-166. | 1.9 | 12 |
| 16 | Model Predictive Control for Autonomous Driving Vehicles. Electronics (Switzerland), 2021, 10, 2593. | 1.8 | 11 |
| 17 | Parallel Hybrid Electric Vehicle Modelling and Model Predictive Control. Applied Sciences (Switzerland), 2021, 11, 10668. | 1.3 | 11 |
| 18 | ROBUST MODEL PREDICTIVE CONTROL FOR INPUT SATURATED AND SOFTENED STATE CONSTRAINTS. Asian Journal of Control, 2008, 7, 319-325. | 1.9 | 10 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Adaptive Teleoperation System with Neural Network-Based Multiple Model Control. <i>Mathematical Problems in Engineering</i> , 2010, 2010, 1-15. | 0.6 | 9 |
| 20 | Optimal Fuel Consumption Modelling, Simulation, and Analysis for Hybrid Electric Vehicles. <i>Applied System Innovation</i> , 2022, 5, 36. | 2.7 | 9 |
| 21 | Modeling and Adaptive Control Simulation for a Distillation Column. , 2012, , . | | 8 |
| 22 | Clutch control and vibration reduction for a hybrid electric vehicle. <i>Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering</i> , 2012, 226, 867-874. | 0.7 | 6 |
| 23 | Simulation and control of hybrid electric vehicles. <i>International Journal of Control, Automation and Systems</i> , 2012, 10, 308-316. | 1.6 | 6 |
| 24 | Performances of PID and Different Fuzzy Methods for Controlling a Ball on Beam. <i>Open Engineering</i> , 2016, 6, . | 0.7 | 6 |
| 25 | Fuel economy regression analyses for hybrid electric vehicle. <i>European Journal of Electrical Engineering</i> , 2018, 20, 363-377. | 1.1 | 5 |
| 26 | Time forward observer based adaptive controller for a teleoperation system. <i>International Journal of Control, Automation and Systems</i> , 2011, 9, 470-477. | 1.6 | 4 |
| 27 | Development of Anti-lock Braking System (ABS) for Vehicles Braking. <i>Open Engineering</i> , 2016, 6, . | 0.7 | 4 |
| 28 | Automatic Clutch Engagement Control for Parallel Hybrid Electric Vehicle. <i>Energies</i> , 2021, 14, 7256. | 1.6 | 4 |
| 29 | Model Predictive Control for Modeling Human Gait Motions Assisted by Vicon Technology. <i>Journal Europeen Des Systemes Automatises</i> , 2020, 53, 589-600. | 0.3 | 4 |
| 30 | Robust Model Predictive Control Schemes for Tracking Setpoints. <i>Journal of Control Science and Engineering</i> , 2010, 2010, 1-9. | 0.8 | 3 |
| 31 | Nonlinear Model Predictive Controller and Feasible Path Planning for Autonomous Robots. <i>Open Computer Science</i> , 2016, 6, 178-186. | 1.3 | 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. <i>Traitement Du Signal</i> , 2019, 36, 297-301. | 0.8 | 3 |
| 34 | Feasible Trajectories Generation for Autonomous Driving Vehicles. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 11143. | 1.3 | 3 |
| 35 | Real-time control schemes for hybrid vehicle. , 2011, , . | | 2 |
| 36 | Design and simulations of dual clutch transmission for hybrid electric vehicles. <i>International Journal of Electric and Hybrid Vehicles</i> , 2017, 9, 302. | 0.2 | 2 |

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|----|---|-----|-----------|
| 37 | Modeling and robust control algorithms for a linear belt driven system. Open Computer Science, 2018, 8, 142-153. | 1.3 | 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. | 0.2 | 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. | 0.5 | 0 |
| 48 | Trajectory Generation for Autonomous Mobile Robots. Studies in Computational Intelligence, 2014, , 195-214. | 0.7 | 0 |
| 49 | Human gait modeling in MatLab/Simulink. IzvestiĀ VysĀjih UĀebnyh Zavedenij Priborostroenie, 2016, , 690-694. | 0.0 | 0 |
| 50 | Design and simulations of dual clutch transmission for hybrid electric vehicles. International Journal of Electric and Hybrid Vehicles, 2017, 9, 302. | 0.2 | 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 |