

Truong Quang Dinh

List of Publications by Year in descending order

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Version: 2024-02-01

92
papers

1,921
citations

201575

27
h-index

289141

40
g-index

92
all docs

92
docs citations

92
times ranked

1494
citing authors

#	ARTICLE	IF	CITATIONS
1	A Novel Adaptive Equivalence Fuel Consumption Minimisation Strategy for a Hybrid Electric Two-Wheeler. <i>Energies</i> , 2022, 15, 3192.	1.6	3
2	State of Power Prediction for Lithium-Ion Batteries in Electric Vehicles via Wavelet-Markov Load Analysis. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021, 22, 5833-5848.	4.7	32
3	Development and Real-Time Performance Evaluation of Energy Management Strategy for a Dynamic Positioning Hybrid Electric Marine Vessel. <i>Electronics (Switzerland)</i> , 2021, 10, 1280.	1.8	10
4	Takagi Sugeno Fuzzy Unknown Input Observers to Estimate Nonlinear Dynamics of Autonomous Ground Vehicles: Theory and Real-Time Verification. <i>IEEE/ASME Transactions on Mechatronics</i> , 2021, 26, 1328-1338.	3.7	32
5	The Development of Optimal Charging Protocols for Lithium-Ion Batteries to Reduce Lithium Plating. <i>Journal of Energy Storage</i> , 2021, 39, 102573.	3.9	20
6	Developments in energy regeneration technologies for hydraulic excavators: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 145, 111076.	8.2	31
7	Editorial Mechatronics as an Enabler for Intelligent Transportation Systems. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021, 22, 5817-5818.	4.7	1
8	A Study of Reduced Battery Degradation Through State-of-Charge Pre-Conditioning for Vehicle-to-Grid Operations. <i>IEEE Access</i> , 2021, 9, 155871-155896.	2.6	20
9	A Study on Electric Vehicle Battery Ageing Through Smart Charge and Vehicle-to-Grid Operation. , 2021, , .		0
10	Advanced Simulation Tool to Develop Efficient Thermal Management Systems for Electric Vehicles. , 2021, , .		1
11	Riding Pattern Identification by Machine Learning for Electric Motorcycles. , 2021, , .		2
12	An Effective Disturbance-Observer-Based Nonlinear Controller for a Pump-Controlled Hydraulic System. <i>IEEE/ASME Transactions on Mechatronics</i> , 2020, 25, 32-43.	3.7	53
13	An Unknown Input Observer Fuzzy Combined Estimator for Electrohydraulic Actuator in Sensor Fault-Tolerant Control Application. <i>IEEE/ASME Transactions on Mechatronics</i> , 2020, 25, 2208-2219.	3.7	14
14	Optimisation of Direct Battery Thermal Management for EVs Operating in Low-Temperature Climates. <i>Energies</i> , 2020, 13, 5980.	1.6	7
15	A Study on the Influence of Lithium Plating on Battery Degradation. <i>Energies</i> , 2020, 13, 3458.	1.6	27
16	Output Feedback Control via Linear Extended State Observer for an Uncertain Manipulator with Output Constraints and Input Dead-Zone. <i>Electronics (Switzerland)</i> , 2020, 9, 1355.	1.8	20
17	Tracking Control for an Electro-Hydraulic Rotary Actuator Using Fractional Order Fuzzy PID Controller. <i>Electronics (Switzerland)</i> , 2020, 9, 926.	1.8	17
18	Evaluation of a Modified Equivalent Fuel-Consumption Minimization Strategy Considering Engine Start Frequency and Battery Parameters for a Plugin Hybrid Two-Wheeler. <i>Energies</i> , 2020, 13, 3122.	1.6	9

#	ARTICLE	IF	CITATIONS
19	Remaining energy estimation for lithium-ion batteries via Gaussian mixture and Markov models for future load prediction. Journal of Energy Storage, 2020, 28, 101271.	3.9	45
20	A new on-line method for lithium plating detection in lithium-ion batteries. Journal of Power Sources, 2020, 451, 227798.	4.0	81
21	Power Loss Analysis of Bidirectional ACFC-SR Based Active Cell Balancing System. IFAC-PapersOnLine, 2020, 53, 12402-12409.	0.5	2
22	Multi-Input Multi-Output Model of Airport Infrastructure for Reducing CO2 Emissions. , 2020, , .		0
23	A Method to Predict Propulsion Architecture for Future Jetliners. , 2020, , .		0
24	The development of optimal charging strategies for lithium-ion batteries to prevent the onset of lithium plating at low ambient temperatures. Journal of Energy Storage, 2019, 24, 100798.	3.9	50
25	Torque vectoring-based drive: Assistance system for turning an electric narrow tilting vehicle. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2019, 233, 788-800.	0.7	3
26	Two Layer Markov Model for Prediction of Future Load and End of Discharge Time of Batteries. , 2019, , .		2
27	Optimal Day Ahead Scheduling for Plug-in Electric Vehicles in an Industrial Microgrid Based on V2G System. , 2019, , .		3
28	Dynamic Modelling of the Bidirectional Active Clamp Forward Converter with Peak Current Mode Control for Active Cell Balancing. , 2019, , .		1
29	An Advanced Hardware-in-the-Loop Battery Simulation Platform for the Experimental Testing of Battery Management System. , 2019, , .		13
30	A new concept to improve the lithium plating detection sensitivity in lithium-ion batteries. International Journal of Smart Grid and Clean Energy, 2019, , 505-516.	0.4	10
31	Data-Based Predictive Hybrid Driven Control for a Class of Imperfect Networked Systems. IEEE Transactions on Industrial Informatics, 2018, 14, 5187-5199.	7.2	10
32	Synchronization Controller for a 3-RRR Parallel Manipulator. International Journal of Precision Engineering and Manufacturing, 2018, 19, 339-347.	1.1	3
33	Predictive Sliding Mode Tracking Control for a Class of SISO Systems. , 2018, , .		0
34	Optimal Energy Management for Hybrid Electric Dynamic Positioning Vessels. IFAC-PapersOnLine, 2018, 51, 98-103.	0.5	8
35	Robust predictive tracking control for a class of nonlinear systems. Mechatronics, 2018, 52, 135-149.	2.0	4
36	An Energy Management Strategy for DC Hybrid Electric Propulsion System of Marine Vessels. , 2018, , .		6

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37	A lumped thermal model of lithium-ion battery cells considering radiative heat transfer. Applied Thermal Engineering, 2018, 143, 472-481.	3.0	39
38	Nonlinearity Compensation based Tilting Controller for Electric Narrow Tilting Vehicles. , 2018, , .		1
39	Challenges of micro/mild hybridisation for construction machinery and applicability in UK. Renewable and Sustainable Energy Reviews, 2018, 91, 301-320.	8.2	11
40	A Novel Robust Predictive Control System Over Imperfect Networks. IEEE Transactions on Industrial Electronics, 2017, 64, 1751-1761.	5.2	28
41	A data-based hybrid driven control for networked-based remote control applications. , 2017, , .		2
42	Force reflecting joystick control for applications to bilateral teleoperation in construction machinery. International Journal of Precision Engineering and Manufacturing, 2017, 18, 301-315.	1.1	21
43	Sensorless force feedback joystick control for teleoperation of construction equipment. International Journal of Precision Engineering and Manufacturing, 2017, 18, 955-969.	1.1	8
44	A Novel Method for Idle-Stop-Start Control of Micro Hybrid Construction Equipmentâ€™Part A: Fundamental Concepts and Design. Energies, 2017, 10, 962.	1.6	6
45	A Novel Method for Idle-Stop-Start Control of Micro Hybrid Construction Equipmentâ€™Part B: A Real-Time Comparative Study. Energies, 2017, 10, 1250.	1.6	3
46	Integrated model-based backstepping control for an electro-hydraulic system. International Journal of Precision Engineering and Manufacturing, 2016, 17, 565-577.	1.1	30
47	Modeling and fault tolerant control of an electro-hydraulic actuator. International Journal of Precision Engineering and Manufacturing, 2016, 17, 1285-1297.	1.1	29
48	An Integrated Intelligent Nonlinear Control Method for a Pneumatic Artificial Muscle. IEEE/ASME Transactions on Mechatronics, 2016, 21, 1835-1845.	3.7	60
49	A novel control method to maximize the energy-harvesting capability of an adjustable slope angle wave energy converter. Renewable Energy, 2016, 97, 518-531.	4.3	18
50	A feedforward neural network fuzzy grey predictor-based controller for force control of an electro-hydraulic actuator. International Journal of Precision Engineering and Manufacturing, 2016, 17, 309-321.	1.1	28
51	Robust Variable Sampling Period Control for Networked Control Systems. IEEE Transactions on Industrial Electronics, 2015, 62, 5630-5643.	5.2	34
52	Mathematical modeling of a variable displacement vane pump for engine lubrication. , 2015, , .		0
53	Study on energy regeneration system for hybrid hydraulic excavator. , 2015, , .		4
54	Development of an electronically controlled variable displacement vane pump for engine lubrication. International Journal of Precision Engineering and Manufacturing, 2015, 16, 1925-1934.	1.1	3

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55	Hysteresis modeling of magneto-rheological damper using self-tuning Lyapunov-based fuzzy approach. International Journal of Precision Engineering and Manufacturing, 2015, 16, 31-41.	1.1	12
56	A torque estimator using online tuning grey fuzzy PID for applications to torque-sensorless control of DC motors. Mechatronics, 2015, 26, 45-63.	2.0	31
57	Development of a novel point absorber in heave for wave energy conversion. Renewable Energy, 2014, 65, 183-191.	4.3	33
58	Modeling of an ionic polymer metal composite actuator based on an extended Kalman filter trained neural network. Smart Materials and Structures, 2014, 23, 074008.	1.8	9
59	Development of a Novel Linear Magnetic Actuator. International Journal of Automation Technology, 2014, 8, 864-873.	0.5	2
60	A generation step for an electric excavator with a control strategy and verifications of energy consumption. International Journal of Precision Engineering and Manufacturing, 2013, 14, 755-766.	1.1	38
61	Synchronization controller for a 3-R planar parallel pneumatic artificial muscle (PAM) robot using modified ANFIS algorithm. Mechatronics, 2013, 23, 462-479.	2.0	37
62	Design of An Advanced Time Delay Measurement and A Smart Adaptive Unequal Interval Grey Predictor for Real-Time Nonlinear Control Systems. IEEE Transactions on Industrial Electronics, 2013, 60, 4574-4589.	5.2	35
63	Performance analysis of a variable-displacement vane-type oil pump for engine lubrication using a complete mathematical model. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2013, 227, 1414-1430.	1.1	10
64	Theoretical investigation of a variable displacement vane-type oil pump. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2013, 227, 592-608.	1.1	9
65	Development of a Smart Bicycle Based on a Hydrostatic Automatic Transmission. Journal of Advanced Mechanical Design, Systems and Manufacturing, 2012, 6, 236-251.	0.3	2
66	Development of a novel linear magnetic actuator with trajectory control based on an online tuning fuzzy PID controller. International Journal of Precision Engineering and Manufacturing, 2012, 13, 1403-1411.	1.1	13
67	An accurate signal estimator using a novel smart adaptive grey model SAGM(1,1). Expert Systems With Applications, 2012, 39, 7611-7620.	4.4	35
68	An innovative design of wave energy converter. Renewable Energy, 2012, 42, 186-194.	4.3	53
69	Wave prediction based on a modified grey model MGM(1,1) for real-time control of wave energy converters in irregular waves. Renewable Energy, 2012, 43, 242-255.	4.3	52
70	Design of an online tuning modified-grey fuzzy PID controller for nonlinear systems. , 2011, , .		2
71	Hydrostatic transmission development for wave energy converters. , 2011, , .		0
72	Parallel control for electro-hydraulic load simulator using online self tuning fuzzy PID technique. Asian Journal of Control, 2011, 13, 522-541.	1.9	33

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73	Force control for press machines using an online smart tuning fuzzy PID based on a robust extended Kalman filter. Expert Systems With Applications, 2011, 38, 5879-5894.	4.4	68
74	Nonlinear black-box models and force-sensorless damping control for damping systems using magneto-rheological fluid dampers. Sensors and Actuators A: Physical, 2011, 167, 556-573.	2.0	25
75	Design and Verification of a Non-linear Black-Box Model for Ionic Polymer Metal Composite Actuators. Journal of Intelligent Material Systems and Structures, 2011, 22, 253-269.	1.4	17
76	Design and Verification of a New Energy Saving Electric Excavator. , 2011, , .		4
77	A Generation Step for Force Reflecting Control of a Pneumatic Excavator Based on Augmented Reality Environment. , 2011, , .		2
78	A generation step to develop steel rolling machine performance using an electro-hydraulic actuator and an online tuning modified-grey fuzzy PID controller. , 2010, , .		9
79	Precision control for ionic polymer metal composite actuator based on quantitative feedback theory. , 2010, , .		0
80	Estimation of bending behavior of an ionic polymer metal composite actuator using a nonlinear black-box model. , 2010, , .		1
81	Position control of ionic polymer metal composite actuator using quantitative feedback theory. Sensors and Actuators A: Physical, 2010, 159, 204-212.	2.0	50
82	Identification and application of black-box model for a self-sensing damping system using a magneto-rheological fluid damper. Sensors and Actuators A: Physical, 2010, 161, 305-321.	2.0	12
83	Self-Sensing Actuator Using an Ion-Polymer Metal Composite Based on a Neural Network Model. Transactions of the Korean Society of Mechanical Engineers, A, 2010, 34, 1865-1870.	0.1	0
84	Modeling of a magneto-rheological (MR) fluid damper using a self tuning fuzzy mechanism. Journal of Mechanical Science and Technology, 2009, 23, 1485-1499.	0.7	39
85	Online tuning fuzzy PID controller using robust extended Kalman filter. Journal of Process Control, 2009, 19, 1011-1023.	1.7	144
86	Force control for hydraulic load simulator using self-tuning grey predictor " fuzzy PID. Mechatronics, 2009, 19, 233-246.	2.0	204
87	A study on force control of electric-hydraulic load simulator using an online tuning Quantitative Feedback Theory. , 2008, , .		13
88	A study on face tracking in real-time for robot. , 2008, , .		3
89	Application of Fuzzy-PID Controller in Hydraulic Load Simulator. , 2007, , .		23
90	Self tuning fuzzy PID control for hydraulic load simulator. , 2007, , .		9

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91	Robust force control of a hybrid actuator using quantitative feedback theory. Journal of Mechanical Science and Technology, 2007, 21, 2048-2058.	0.7	25
92	A Real-Time Bilateral Teleoperation Control System over Imperfect Network. , 0, , .		2