Mona Faraji-Niri

List of Publications by Year
in descending order

31 papers	319 citations	1040018 9 h-index	940516 16 g-index
31 all docs	31 docs citations	31 times ranked	163 citing authors

#	ARTICLE	IF	CITATIONS
1	Robust Guaranteed-Cost Control for Half-Vehicle Active Suspension Systems Subject to Markovian Controller Uncertainties. IETE Journal of Research, 2023, 69, 2701-2709.	2.6	1
2	Quantifying key factors for optimised manufacturing of Li-ion battery anode and cathode via artificial intelligence. Energy and AI, 2022, 7, 100129.	10.6	32
3	Experimental data of cathodes manufactured in a convective dryer at the pilot-plant scale, and charge and discharge capacities of half-coin lithium-ion cells. Data in Brief, 2022, 40, 107720.	1.0	5
4	Interpretable machine learning for battery capacities prediction and coating parameters analysis. Control Engineering Practice, 2022, 124, 105202.	5.5	38
5	Performance Evaluation of Convolutional Auto Encoders for the Reconstruction of Li-Ion Battery Electrode Microstructure. Energies, 2022, 15, 4489.	3.1	8
6	Systematic analysis of the impact of slurry coating on manufacture of Li-ion battery electrodes via explainable machine learning. Energy Storage Materials, 2022, 51, 223-238.	18.0	22
7	State of Power Prediction for Lithium-Ion Batteries in Electric Vehicles via Wavelet-Markov Load Analysis. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 5833-5848.	8.0	32
8	On the Design of a Nonlinear Model Predictive Controller based on Enhanced Disturbance Observer for Dynamic Walking of Biped Robots. , 2021, , .		0
9	Machine learning for optimised and clean Li-ion battery manufacturing: Revealing the dependency between electrode and cell characteristics. Journal of Cleaner Production, 2021, 324, 129272.	9.3	28
10	Riding Pattern Identification by Machine Learning for Electric Motorcycles. , 2021, , .		2
11	Robust fault detection and isolation in semi-actively controlled building structures using a set of unknown input observers. , 2020, , .		2
12	Remaining energy estimation for lithium-ion batteries via Gaussian mixture and Markov models for future load prediction. Journal of Energy Storage, 2020, 28, 101271.	8.1	45
13	Model-Based End of Discharge Temperature Prediction for Lithium-Ion Batteries. IFAC-PapersOnLine, 2020, 53, 12701-12707.	0.9	2
14	Exponential synchronization of a complex dynamical network with piecewise-homogeneous Markovian jump structure and coupling delay. , 2019, , .		1
15	Design of a Suboptimal Controller based on Riccati Equation and State-dependent Impulsive Observer for a Robotic Manipulator. , 2019, , .		1
16	Design of a Nonlinear Model-based Predictive Controller for a Wind Turbine Based on PMSG Using an Augmented Extended Kalman Filter. , 2019, , .		2
17	Fault Detection and Control of Time-Delay Systems: A Disturbance Observer Approach. , 2019, , .		0
18	Two Layer Markov Model for Prediction of Future Load and End of Discharge Time of Batteries. , 2019, , .		2

#	Article	IF	Citations
19	An Advanced Hardware-in-the-Loop Battery Simulation Platform for the Experimental Testing of Battery Management System. , 2019, , .		13
20	Stabilization of Arbitrary Switched Nonlinear Fractional Order Dynamical Systems: Application to Francis Hydro-Turbine Governing System. Information Technology and Control, 2019, 48, 401-414.	2.1	3
21	Robust Non-fragile Asynchronous Controller Design for Continuous-Time Markov Jump Linear Systems: Non-homogeneous Markov Process Approach. Circuits, Systems, and Signal Processing, 2018, 37, 4234-4255.	2.0	7
22	Asynchronous Stochastic Controller Design for a Class of Markov Jump Linear Systems. Journal of Control, 2018, 12, 41-51.	0.1	0
23	Stochastic stability and stabilization of a class of piecewise-homogeneous Markov jump linear systems with mixed uncertainties. International Journal of Robust and Nonlinear Control, 2017, 27, 894-914.	3.7	26
24	Stochastic Stability and Stabilization of Semi-Markov Jump Linear Systems with Uncertain Transition Rates. Information Technology and Control, 2017, 46, .	2.1	6
25	Stochastic stability and stabilization of Markov jump linear systems with instantly time-varying transition rates: A unified framework. ISA Transactions, 2016, 65, 51-61.	5.7	18
26	Stabilization of active fault‐tolerant control systems by uncertain nonhomogeneous markovian jump models. Complexity, 2016, 21, 318-329.	1.6	11
27	Stochastic stability of semi-Markov jump linear systems with uncertain transition rates. , 2015, , .		1
28	Stochastic stabilization of uncertain Markov jump linear systems with time varying transition rates. , 2014, , .		6
29	General Algorithm for Autotuning of Proportional-Integral-Derivative Controllers by the Relay Feedback Test. Industrial & Engineering Chemistry Research, 2013, 52, 4794-4804.	3.7	1
30	Robust stabilization of uncertain non-homogeneous Markov jump linear systems. , 2013, , .		4
31	Analytical expressions for modeling and control of over-damped SOPDT transfer functions with NMP zero using relay feedback test. , 2011, , .		0