

Morteza Montazeri-Gh

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

1,183
citations

304743

22
h-index

395702

33
g-index

51
all docs

51
docs citations

51
times ranked

882
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimized predictive energy management of plug-in hybrid electric vehicle based on traffic condition. Journal of Cleaner Production, 2016, 139, 935-948.	9.3	114
2	Investigation of the Energy Regeneration of Active Suspension System in Hybrid Electric Vehicles. IEEE Transactions on Industrial Electronics, 2010, 57, 918-925.	7.9	74
3	A fuzzy-based gas turbine fault detection and identification system for full and part-load performance deterioration. Aerospace Science and Technology, 2015, 46, 82-93.	4.8	69
4	Traffic condition recognition using the -means clustering method. Scientia Iranica, 2011, 18, 930-937.	0.4	49
5	Evolutionary Optimization for Gain Tuning of Jet Engine Min-Max Fuel Controller. Journal of Propulsion and Power, 2011, 27, 1015-1023.	2.2	46
6	Design and implementation of MPC for turbofan engine control system. Aerospace Science and Technology, 2019, 92, 99-113.	4.8	41
7	A New Approach to the Gray-Box Identification of Wiener Models With the Application of Gas Turbine Engine Modeling. Journal of Engineering for Gas Turbines and Power, 2015, 137, .	1.1	40
8	Real-time multi-rate HIL simulation platform for evaluation of a jet engine fuel controller. Simulation Modelling Practice and Theory, 2011, 19, 996-1006.	3.8	38
9	Simulation of Full and Part-Load Performance Deterioration of Industrial Two-Shaft Gas Turbine. Journal of Engineering for Gas Turbines and Power, 2014, 136, .	1.1	38
10	A novel gas turbine fault detection and identification strategy based on hybrid dimensionality reduction and uncertain rule-based fuzzy logic. Computers in Industry, 2020, 115, 103131.	9.9	38
11	Near-Optimal SOC Trajectory for Traffic-Based Adaptive PHEV Control Strategy. IEEE Transactions on Vehicular Technology, 2017, 66, 9753-9760.	6.3	37
12	Improvement of Min"Max limit protection in aircraft engine control: An LMI approach. Aerospace Science and Technology, 2017, 68, 214-222.	4.8	36
13	Application of particle swarm optimization in gas turbine engine fuel controller gain tuning. Engineering Optimization, 2012, 44, 225-240.	2.6	32
14	Actuator-based hardware-in-the-loop testing of a jet engine fuel control unit in flight conditions. Simulation Modelling Practice and Theory, 2012, 21, 65-77.	3.8	32
15	An optimal energy management development for various configuration of plug-in and hybrid electric vehicle. Journal of Central South University, 2015, 22, 1737-1747.	3.0	32
16	Application of interval type-2 fuzzy logic systems to gas turbine fault diagnosis. Applied Soft Computing Journal, 2020, 96, 106703.	7.2	30
17	Active Fault Tolerant Control with self-enrichment capability for gas turbine engines. Aerospace Science and Technology, 2016, 56, 70-89.	4.8	29
18	Driving patterns clustering based on driving features analysis. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2011, 225, 1301-1317.	2.1	28

#	ARTICLE	IF	CITATIONS
19	Impact of Traffic Conditions on the Active Suspension Energy Regeneration in Hybrid Electric Vehicles. IEEE Transactions on Industrial Electronics, 2013, 60, 4546-4553.	7.9	27
20	Tuning of fuzzy fuel controller for aero-engine thrust regulation and safety considerations using genetic algorithm. Aerospace Science and Technology, 2011, 15, 183-192.	4.8	25
21	Multi-objective component sizing of plug-in hybrid electric vehicle for optimal energy management. Clean Technologies and Environmental Policy, 2016, 18, 1189-1202.	4.1	25
22	Adaptive fuzzy controller for vehicle active suspension system based on traffic conditions. Scientia Iranica, 2012, 19, 443-453.	0.4	24
23	Investigation of the active electromagnetic suspension system considering hybrid control strategy. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2014, 228, 1658-1669.	2.1	23
24	Genetic optimization of a fuzzy active suspension system based on human sensitivity to the transmitted vibrations. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2008, 222, 1769-1780.	1.9	20
25	Fuzzy logic computing for design of gas turbine engine fuel control system. , 2010, , .		17
26	Intelligent approach for parallel HEV control strategy based on driving cycles. International Journal of Systems Science, 2011, 42, 287-302.	5.5	17
27	Investigation of the passive electromagnetic damper. Acta Mechanica, 2012, 223, 2633-2646.	2.1	17
28	Application of Bond Graph approach in dynamic modelling of industrial gas turbine. Mechanics and Industry, 2017, 18, 410.	1.3	17
29	Comparative study of different types of PHEV optimal control strategies in real-world conditions. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2018, 232, 1597-1610.	1.9	17
30	Gas path component fault diagnosis of an industrial gas turbine under different load condition using online sequential extreme learning machine. Engineering Failure Analysis, 2022, 135, 106115.	4.0	17
31	Performance Enhancement of Global Optimization-Based Gas Turbine Fault Diagnosis Systems. Journal of Propulsion and Power, 2016, 32, 214-224.	2.2	16
32	Metaheuristic Design and Optimization of Fuzzy-Based Gas Turbine Engine Fuel Controller Using Hybrid Invasive Weed Optimization/Particle Swarm Optimization Algorithm. Journal of Engineering for Gas Turbines and Power, 2014, 136, .	1.1	15
33	Hardware-in-the-loop simulation for testing of electro-hydraulic fuel control unit in a jet engine application. Simulation, 2013, 89, 225-233.	1.8	14
34	Hardware-in-the-loop simulation of two-shaft gas turbine engine's electronic control unit. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2016, 230, 512-521.	1.0	12
35	A Multi-loop Switching Controller for Aircraft Gas Turbine Engine with Stability Proof. International Journal of Control, Automation and Systems, 2019, 17, 1359-1368.	2.7	10
36	A Min-Max multiregulator system with stability analysis for aeroengine propulsion control. ISA Transactions, 2019, 85, 84-96.	5.7	10

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37	Time-delay compensation for actuator-based hardware-in-the-loop testing of a jet engine fuel control unit. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2012, 226, 1371-1380.	1.0	9
38	Design and HIL-based verification of the fuel control unit for a gas turbine engine. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2020, 234, 1460-1470.	1.3	8
39	Improvement of PHEV Equivalent Fuel Economy and Battery Life by Applying Traffic-Based SOC Management. IEEE Transactions on Transportation Electrification, 2022, 8, 160-167.	7.8	6
40	Genetic-fuzzy shifting strategy for continuously variable transmission in parallel HEV. , 2008, , .		5
41	Comparison of model predictive controller and optimized min-max algorithm for turbofan engine fuel control. Journal of Mechanical Science and Technology, 2019, 33, 5483-5498.	1.5	5
42	A novel approach to gas turbine fault diagnosis based on learning of fault characteristic maps using hybrid residual compensation extreme learning machine-growing neural gas model. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2021, 43, 1.	1.6	5
43	Optimal Gear Ratio and Gear Shift Strategy Design for a Parallel Hybrid Electric Vehicle Equipped With AMT. , 2010, , .		4
44	Stability analysis of override logic system containing state feedback regulators and its application to gas turbine engines. European Journal of Control, 2020, 52, 97-107.	2.6	4
45	Time Delay Compensation for Hardware-in-the-loop Simulation of a Turbojet Engine Fuel Control Unit Using Neural NARX Smith Predictor. International Journal of Control, Automation and Systems, 2021, 19, 3309-3317.	2.7	4
46	A Min-Max selector controller for turbofan engines with improvement of limit management and low computational burden. Transactions of the Institute of Measurement and Control, 2019, 41, 36-44.	1.7	3
47	Application of virtual prototyping for optimization of fuzzy-based active suspension system. , 2008, , .		1
48	Investigation of the semi-active electromagnetic damper. Smart Structures and Systems, 2014, 13, 419-434.	1.9	1
49	Application of Vehicle Telematic System in Fuzzy-Based HEV Control. , 2008, , .		0
50	Dynamic Modeling and Rule-Based Control Design for a Hybrid-Electrified Regional Aircraft. IEEE Transactions on Transportation Electrification, 2022, 8, 4140-4147.	7.8	0