Morteza Montazeri-Gh

List of Publications by Year
in descending order

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	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
2	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
3	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
4	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
5	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
6	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
7	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
8	Application of interval type-2 fuzzy logic systems to gas turbine fault diagnosis. Applied Soft Computing Journal, 2020, 96, 106703.	7.2	30
9	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
10	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
11	Design and implementation of MPC for turbofan engine control system. Aerospace Science and Technology, 2019, 92, 99-113.	4.8	41
12	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
13	A Min–Max multiregulator system with stability analysis for aeroengine propulsion control. ISA Transactions, 2019, 85, 84-96.	5.7	10
14	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
15	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
16	Improvement of Min–Max limit protection in aircraft engine control: An LMI approach. Aerospace Science and Technology, 2017, 68, 214-222.	4.8	36
17	Near-Optimal SOC Trajectory for Traffic-Based Adaptive PHEV Control Strategy. IEEE Transactions on Vehicular Technology, 2017, 66, 9753-9760.	6.3	37
18	Application of Bond Graph approach in dynamic modelling of industrial gas turbine. Mechanics and Industry, 2017, 18, 410.	1.3	17

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19	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
20	Active Fault Tolerant Control with self-enrichment capability for gas turbine engines. Aerospace Science and Technology, 2016, 56, 70-89.	4.8	29
21	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
22	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
23	Performance Enhancement of Global Optimization-Based Gas Turbine Fault Diagnosis Systems. Journal of Propulsion and Power, 2016, 32, 214-224.	2.2	16
24	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
25	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
26	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
27	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
28	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
29	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
30	Investigation of the semi-active electromagnetic damper. Smart Structures and Systems, 2014, 13, 419-434.	1.9	1
31	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
32	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
33	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
34	Adaptive fuzzy controller for vehicle active suspension system based on traffic conditions. Scientia Iranica, 2012, 19, 443-453.	0.4	24
35	Investigation of the passive electromagnetic damper. Acta Mechanica, 2012, 223, 2633-2646.	2.1	17
36	Application of particle swarm optimization in gas turbine engine fuel controller gain tuning. Engineering Optimization, 2012, 44, 225-240.	2.6	32

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37	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
38	Intelligent approach for parallel HEV control strategy based on driving cycles. International Journal of Systems Science, 2011, 42, 287-302.	5.5	17
39	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
40	Evolutionary Optimization for Gain Tuning of Jet Engine Min-Max Fuel Controller. Journal of Propulsion and Power, 2011, 27, 1015-1023.	2.2	46
41	Traffic condition recognition using the -means clustering method. Scientia Iranica, 2011, 18, 930-937.	0.4	49
42	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
43	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
44	Optimal Gear Ratio and Gear Shift Strategy Design for a Parallel Hybrid Electric Vehicle Equipped With AMT. , 2010, , .		4
45	Fuzzy logic computing for design of gas turbine engine fuel control system. , 2010, , .		17
46	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
47	Application of virtual prototyping for optimization of fuzzy-based active suspension system. , 2008, , .		1
48	Genetic-fuzzy shifting strategy for continuously variable transmission in parallel HEV. , 2008, , .		5
49	Application of Vehicle Telematic System in Fuzzy-Based HEV Control. , 2008, , .		0
50	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