

Mohamed L Shaltout

List of Publications by Year in descending order

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22
all docs

22
docs citations

22
times ranked

132
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimal Real-Time Control of Wind Turbine During Partial Load Operation. IEEE Transactions on Control Systems Technology, 2015, 23, 2216-2226.	3.2	23
2	Optimal Control of a Wind Turbine With a Variable Ratio Gearbox for Maximum Energy Capture and Prolonged Gear Life. Journal of Solar Energy Engineering, Transactions of the ASME, 2014, 136, .	1.1	12
3	A Consumer-Oriented Control Framework for Performance Analysis in Hybrid Electric Vehicles. IEEE Transactions on Control Systems Technology, 2015, 23, 1451-1464.	3.2	12
4	An Adaptive Economic Model Predictive Control Approach for Wind Turbines. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2018, 140, .	0.9	11
5	Tradeoff analysis of energy harvesting and noise emission for distributed wind turbines. Sustainable Energy Technologies and Assessments, 2015, 10, 12-21.	1.7	9
6	stability of wind turbine switching control. International Journal of Control, 2015, 88, 193-203.	1.2	9
7	An Adaptive Wind Turbine Controller Considering Both the System Performance and Fatigue Loading. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2015, 137, .	0.9	8
8	Multi-disciplinary decision making and optimization for hybrid electric propulsion systems. , 2014, , .		5
9	An Integrated Control and Design Framework for Optimizing Energy Capture and Component Life for a Wind Turbine Variable Ratio Gearbox. Journal of Solar Energy Engineering, Transactions of the ASME, 2015, 137, .	1.1	5
10	Enhancement of wind energy resources assessment using Multi-Objective Genetic algorithm: A case study at Gabal Al-Zayt wind farm in Egypt. International Journal of Green Energy, 2021, 18, 1497-1509.	2.1	5
11	Wind Turbine Gearbox Control for Maximum Energy Capture and Prolonged Gear Life. , 2012, , .		4
12	Adaptive Gain Modified Optimal Torque Controller for Wind Turbine Partial Load Operation. , 2014, , .		3
13	Optimal Power Dispatch and Control of an Integrated Wind Turbine and Battery System. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2017, 139, .	0.9	3
14	An Economic Model Predictive Control Approach for Wind Power Smoothing and Tower Load Mitigation. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2020, 142, .	0.9	3
15	Optimal Design of Mechanical Transmissions for High Performance Servo-Drive Systems. , 2012, , .		2
16	Optimal Control of a Wind Turbine for Tradeoff Analysis Between Energy Harvesting and Noise Emission. , 2013, , .		2
17	Maximizing Wind Energy Capture for Speed-Constrained Wind Turbines During Partial Load Operation. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2016, 138, .	0.9	2
18	Extremum-seeking control for energy harvesting enhancement of wind turbines with hydromechanical drivetrains. Wind Energy, 2020, 23, 2113-2135.	1.9	2

#	ARTICLE	IF	CITATIONS
19	Control of a smart electro-magnetic actuator journal integrated bearing to a common equilibrium position: A simulation study. Mechanical Systems and Signal Processing, 2021, 154, 107556.	4.4	2
20	An economic model predictive control approach using convex optimization for wind turbines. , 2016, , .		1
21	An Economic Model Predictive Control Approach for Wind Power Smoothing and Tower Load Mitigation. , 2018, , .		1
22	Multi-objective design optimization of hydrodynamic journal bearings using a hybrid approach. Industrial Lubrication and Tribology, 2021, 73, 1052-1060.	0.6	0