

Mohamed L Shaltout

List of Publications by Year in descending order

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22
papers

124
citations

1306789

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1372195

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22
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22
docs citations

22
times ranked

132
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Enhancement of wind energy resources assessment using Multi-Objective Genetic algorithm: A case study at Gabal Al-Zayt wind farm in Egypt. <i>International Journal of Green Energy</i> , 2021, 18, 1497-1509. | 2.1 | 5 |
| 2 | Control of a smart electro-magnetic actuator journal integrated bearing to a common equilibrium position: A simulation study. <i>Mechanical Systems and Signal Processing</i> , 2021, 154, 107556. | 4.4 | 2 |
| 3 | Multi-objective design optimization of hydrodynamic journal bearings using a hybrid approach. <i>Industrial Lubrication and Tribology</i> , 2021, 73, 1052-1060. | 0.6 | 0 |
| 4 | Extremum-seeking control for energy harvesting enhancement of wind turbines with hydromechanical drivetrains. <i>Wind Energy</i> , 2020, 23, 2113-2135. | 1.9 | 2 |
| 5 | An Economic Model Predictive Control Approach for Wind Power Smoothing and Tower Load Mitigation. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2020, 142, . | 0.9 | 3 |
| 6 | An Adaptive Economic Model Predictive Control Approach for Wind Turbines. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2018, 140, . | 0.9 | 11 |
| 7 | An Economic Model Predictive Control Approach for Wind Power Smoothing and Tower Load Mitigation. , 2018, , . | | 1 |
| 8 | Optimal Power Dispatch and Control of an Integrated Wind Turbine and Battery System. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2017, 139, . | 0.9 | 3 |
| 9 | Maximizing Wind Energy Capture for Speed-Constrained Wind Turbines During Partial Load Operation. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2016, 138, . | 0.9 | 2 |
| 10 | An economic model predictive control approach using convex optimization for wind turbines. , 2016, , . | | 1 |
| 11 | An Integrated Control and Design Framework for Optimizing Energy Capture and Component Life for a Wind Turbine Variable Ratio Gearbox. <i>Journal of Solar Energy Engineering, Transactions of the ASME</i> , 2015, 137, . | 1.1 | 5 |
| 12 | An Adaptive Wind Turbine Controller Considering Both the System Performance and Fatigue Loading. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2015, 137, . | 0.9 | 8 |
| 13 | Tradeoff analysis of energy harvesting and noise emission for distributed wind turbines. <i>Sustainable Energy Technologies and Assessments</i> , 2015, 10, 12-21. | 1.7 | 9 |
| 14 | A Consumer-Oriented Control Framework for Performance Analysis in Hybrid Electric Vehicles. <i>IEEE Transactions on Control Systems Technology</i> , 2015, 23, 1451-1464. | 3.2 | 12 |
| 15 | Optimal Real-Time Control of Wind Turbine During Partial Load Operation. <i>IEEE Transactions on Control Systems Technology</i> , 2015, 23, 2216-2226. | 3.2 | 23 |
| 16 | stability of wind turbine switching control. <i>International Journal of Control</i> , 2015, 88, 193-203. | 1.2 | 9 |
| 17 | Multi-disciplinary decision making and optimization for hybrid electric propulsion systems. , 2014, , . | | 5 |
| 18 | Optimal Control of a Wind Turbine With a Variable Ratio Gearbox for Maximum Energy Capture and Prolonged Gear Life. <i>Journal of Solar Energy Engineering, Transactions of the ASME</i> , 2014, 136, . | 1.1 | 12 |

| # | ARTICLE | IF | CITATIONS |
|----|---|----|-----------|
| 19 | Adaptive Gain Modified Optimal Torque Controller for Wind Turbine Partial Load Operation. , 2014, , . | | 3 |
| 20 | Optimal Control of a Wind Turbine for Tradeoff Analysis Between Energy Harvesting and Noise Emission. , 2013, , . | | 2 |
| 21 | Wind Turbine Gearbox Control for Maximum Energy Capture and Prolonged Gear Life. , 2012, , . | | 4 |
| 22 | Optimal Design of Mechanical Transmissions for High Performance Servo-Drive Systems. , 2012, , . | | 2 |