

Elias Tsoutsanis

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

784
citations

840119

11
h-index

1199166

12
g-index

19
all docs

19
docs citations

19
times ranked

428
citing authors

#	ARTICLE	IF	CITATIONS
1	Performance-based health monitoring, diagnostics and prognostics for condition-based maintenance of gas turbines: A review. <i>Applied Energy</i> , 2017, 198, 122-144.	5.1	301
2	A component map tuning method for performance prediction and diagnostics of gas turbine compressors. <i>Applied Energy</i> , 2014, 135, 572-585.	5.1	96
3	Transient Gas Turbine Performance Diagnostics Through Nonlinear Adaptation of Compressor and Turbine Maps. <i>Journal of Engineering for Gas Turbines and Power</i> , 2015, 137, .	0.5	76
4	A dynamic prognosis scheme for flexible operation of gas turbines. <i>Applied Energy</i> , 2016, 164, 686-701.	5.1	70
5	A sequential model-based approach for gas turbine performance diagnostics. <i>Energy</i> , 2021, 220, 119657.	4.5	43
6	Derivative-driven window-based regression method for gas turbine performance prognostics. <i>Energy</i> , 2017, 128, 302-311.	4.5	37
7	Dynamic performance simulation and control of gas turbines used for hybrid gas/wind energy applications. <i>Applied Thermal Engineering</i> , 2019, 147, 122-142.	3.0	30
8	Dynamic Performance Simulation of an Aeroderivative Gas Turbine Using the Matlab Simulink Environment. , 2013, , .		24
9	Non-linear model calibration for off-design performance prediction of gas turbines with experimental data. <i>Aeronautical Journal</i> , 2017, 121, 1758-1777.	1.1	19
10	Part-Load Performance of Gas Turbines: Part I " A Novel Compressor Map Generation Approach Suitable for Adaptive Simulation. , 2012, , .		16
11	Real-Time Diagnostic Method of Gas Turbines Operating Under Transient Conditions in Hybrid Power Plants. <i>Journal of Engineering for Gas Turbines and Power</i> , 2020, 142, .	0.5	15
12	A dynamic performance diagnostic method applied to hydrogen powered aero engines operating under transient conditions. <i>Applied Energy</i> , 2022, 317, 119148.	5.1	14
13	An Efficient Component Map Generation Method for Prediction of Gas Turbine Performance. , 2014, , .		13
14	Part-Load Performance of Gas Turbines: Part II " Multi-Point Adaptation With Compressor Map Generation and GA Optimization. , 2012, , .		11
15	Techno-economic evaluation and optimization of CCGT power Plant: A multi-criteria decision support system. <i>Energy Conversion and Management</i> , 2021, 237, 114107.	4.4	11
16	Performance assessment of classical and fractional controllers for transient operation of gas turbine engines. <i>IFAC-PapersOnLine</i> , 2018, 51, 687-692.	0.5	5
17	Performance-based prognosis scheme for industrial gas turbines. , 2015, , .		2
18	Forecasting the health of gas turbine components through an integrated performance-based approach. , 2016, , .		1

#	ARTICLE	IF	CITATIONS
19	A Dynamic Performance Model for Hybrid Wind/Gas Power Plants. , 2020, , .		0