

# Elias Tsoutsanis

## List of Publications by Year in descending order

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19  
papers

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citations

840119

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19  
all docs

19  
docs citations

19  
times ranked

428  
citing authors

#	ARTICLE	IF	CITATIONS
1	A dynamic performance diagnostic method applied to hydrogen powered aero engines operating under transient conditions. Applied Energy, 2022, 317, 119148.	5.1	14
2	A sequential model-based approach for gas turbine performance diagnostics. Energy, 2021, 220, 119657.	4.5	43
3	Techno-economic evaluation and optimization of CCGT power Plant: A multi-criteria decision support system. Energy Conversion and Management, 2021, 237, 114107.	4.4	11
4	A Dynamic Performance Model for Hybrid Wind/Gas Power Plants. , 2020, , .		0
5	Real-Time Diagnostic Method of Gas Turbines Operating Under Transient Conditions in Hybrid Power Plants. Journal of Engineering for Gas Turbines and Power, 2020, 142, .	0.5	15
6	Dynamic performance simulation and control of gas turbines used for hybrid gas/wind energy applications. Applied Thermal Engineering, 2019, 147, 122-142.	3.0	30
7	Performance assessment of classical and fractional controllers for transient operation of gas turbine engines. IFAC-PapersOnLine, 2018, 51, 687-692.	0.5	5
8	Performance-based health monitoring, diagnostics and prognostics for condition-based maintenance of gas turbines: A review. Applied Energy, 2017, 198, 122-144.	5.1	301
9	Derivative-driven window-based regression method for gas turbine performance prognostics. Energy, 2017, 128, 302-311.	4.5	37
10	Non-linear model calibration for off-design performance prediction of gas turbines with experimental data. Aeronautical Journal, 2017, 121, 1758-1777.	1.1	19
11	Forecasting the health of gas turbine components through an integrated performance-based approach. , 2016, , .		1
12	A dynamic prognosis scheme for flexible operation of gas turbines. Applied Energy, 2016, 164, 686-701.	5.1	70
13	Transient Gas Turbine Performance Diagnostics Through Nonlinear Adaptation of Compressor and Turbine Maps. Journal of Engineering for Gas Turbines and Power, 2015, 137, .	0.5	76
14	Performance-based prognosis scheme for industrial gas turbines. , 2015, , .		2
15	An Efficient Component Map Generation Method for Prediction of Gas Turbine Performance. , 2014, , .		13
16	A component map tuning method for performance prediction and diagnostics of gas turbine compressors. Applied Energy, 2014, 135, 572-585.	5.1	96
17	Dynamic Performance Simulation of an Aeroderivative Gas Turbine Using the Matlab Simulink Environment. , 2013, , .		24
18	Part-Load Performance of Gas Turbines: Part II " Multi-Point Adaptation With Compressor Map Generation and GA Optimization. , 2012, , .		11

#	ARTICLE	IF	CITATIONS
19	Part-Load Performance of Gas Turbines: Part I – A Novel Compressor Map Generation Approach Suitable for Adaptive Simulation. , 2012, ,		16