

Uyioghosa Igie

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3692231/publications.pdf>

Version: 2024-02-01

23
papers

220
citations

933447

10
h-index

1058476

14
g-index

23
all docs

23
docs citations

23
times ranked

132
citing authors

#	ARTICLE	IF	CITATIONS
1	Industrial Gas Turbine Performance: Compressor Fouling and On-Line Washing. Journal of Turbomachinery, 2014, 136, .	1.7	23
2	Experimental investigation of gas turbine compressor water injection for NOx emission reductions. Energy, 2019, 176, 235-248.	8.8	20
3	Aero engine compressor fouling effects for short- and long-haul missions. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2016, 230, 1312-1324.	1.3	19
4	Evaluating Gas Turbine Performance Using Machine-Generated Data: Quantifying Degradation and Impacts of Compressor Washing. Journal of Engineering for Gas Turbines and Power, 2016, 138, .	1.1	18
5	Impact of gas turbine flexibility improvements on combined cycle gas turbine performance. Applied Thermal Engineering, 2021, 189, 116703.	6.0	18
6	Aero engine compressor cooling by water injection - Part 2: Performance and emission reductions. Energy, 2018, 160, 1236-1243.	8.8	17
7	Aero engine compressor cooling by water injection - Part 1: Evaporative compressor model. Energy, 2018, 160, 1224-1235.	8.8	16
8	Impact of Inlet Filter Pressure Loss on Single and Two-Spool Gas Turbine Engines for Different Control Modes. Journal of Engineering for Gas Turbines and Power, 2014, 136, .	1.1	15
9	Gas turbine minimum environmental load extension with compressed air extraction for storage. Applied Thermal Engineering, 2020, 180, 115869.	6.0	13
10	Impact of compressed air energy storage demands on gas turbine performance. Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy, 2021, 235, 850-865.	1.4	12
11	Gas turbine efficiency and ramp rate improvement through compressed air injection. Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy, 2021, 235, 866-884.	1.4	11
12	Aeroderivative gas turbine back-up capability with compressed air injection. Applied Thermal Engineering, 2020, 180, 115844.	6.0	9
13	On-Line Compressor Cascade Washing for Gas Turbine Performance Investigation. , 2011, , .		7
14	Gas Turbine Compressor Fouling and Washing in Power and Aerospace Propulsion. Journal of Engineering for Gas Turbines and Power, 2017, 139, .	1.1	6
15	Transient Thermal Modeling of Ball Bearing Using Finite Element Method. Journal of Engineering for Gas Turbines and Power, 2018, 140, .	1.1	4
16	Performance of Inlet Filtration System in Relation to the Uncaptured Particles Causing Fouling in the Gas Turbine Compressor. Journal of Engineering for Gas Turbines and Power, 2016, 138, .	1.1	3
17	Economic Viability of On-Line Compressor Washing for Different Rated Capacity. , 2017, , .		3
18	Aerodynamic limits of gas turbine compressor during high air offtakes for minimum load extension. Applied Thermal Engineering, 2021, 189, 116697.	6.0	3

#	ARTICLE	IF	CITATIONS
19	Performance and Techno-Economic Investigation of On-Wing Compressor Wash for a Short-Range Aero Engine. , 2012, , .		2
20	On-board compressor water injection for civil aircraft emission reductions: Range performance with fuel burn analysis. Transportation Research, Part D: Transport and Environment, 2019, 67, 449-463.	6.8	1
21	Case for Exploring Compressor Water Injection for Airport Emission Reduction. , 2017, , .		0
22	Entropy Generation and Efficiency of a Transonic Rotor With Water Injection: A Numerical Study. , 2020, , .		0
23	Aerodynamic limits air injection for heavy-duty gas turbine: Compressor aerodynamic limits for power augmentation and ramp-up capabilities. Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy, 0, , 095765092210925.	1.4	0