Uyioghosa Igie

List of Publications by Year
in descending order

23	220	933447	1058476
papers	citations	10 h-index	14 g-index

23	23	23	132
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	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
3	Aerodynamic limits of gas turbine compressor during high air offtakes for minimum load extension. Applied Thermal Engineering, 2021, 189, 116697.	6.0	3
4	Impact of gas turbine flexibility improvements on combined cycle gas turbine performance. Applied Thermal Engineering, 2021, 189, 116703.	6.0	18
5	Gas turbine minimum environmental load extension with compressed air extraction for storage. Applied Thermal Engineering, 2020, 180, 115869.	6.0	13
6	Aeroderivative gas turbine back-up capability with compressed air injection. Applied Thermal Engineering, 2020, 180, 115844.	6.0	9
7	Entropy Generation and Efficiency of a Transonic Rotor With Water Injection: A Numerical Study. , 2020, , .		0
8	Experimental investigation of gas turbine compressor water injection for NOx emission reductions. Energy, 2019, 176, 235-248.	8.8	20
9	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
10	Transient Thermal Modeling of Ball Bearing Using Finite Element Method. Journal of Engineering for Gas Turbines and Power, 2018, 140, .	1.1	4
11	Aero engine compressor cooling by water injection - Part 2: Performance and emission reductions. Energy, 2018, 160, 1236-1243.	8.8	17
12	Aero engine compressor cooling by water injection - Part 1: Evaporative compressor model. Energy, 2018, 160, 1224-1235.	8.8	16
13	Gas Turbine Compressor Fouling and Washing in Power and Aerospace Propulsion. Journal of Engineering for Gas Turbines and Power, 2017, 139, .	1.1	6
14	Case for Exploring Compressor Water Injection for Airport Emission Reduction. , 2017, , .		0
15	Economic Viability of On-Line Compressor Washing for Different Rated Capacity. , 2017, , .		3
16	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
17	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
18	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

#	Article	IF	Citations
19	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
20	Industrial Gas Turbine Performance: Compressor Fouling and On-Line Washing. Journal of Turbomachinery, 2014, 136, .	1.7	23
21	Performance and Techno-Economic Investigation of On-Wing Compressor Wash for a Short-Range Aero Engine. , 2012, , .		2
22	On-Line Compressor Cascade Washing for Gas Turbine Performance Investigation. , 2011, , .		7
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