

Hasan Kayhan K Kayadelen

List of Publications by Year in descending order

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14
papers

227
citations

1163117

8
h-index

1281871

11
g-index

14
all docs

14
docs citations

14
times ranked

175
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of natural gas components on its flame temperature, equilibrium combustion products and thermodynamic properties. <i>Journal of Natural Gas Science and Engineering</i> , 2017, 45, 456-473.	4.4	43
2	Performance and environment as objectives in multi-criterion optimization of steam injected gas turbine cycles. <i>Applied Thermal Engineering</i> , 2014, 71, 184-196.	6.0	40
3	Prediction of equilibrium products and thermodynamic properties in H ₂ O injected combustion for C ₁ H ₂ O ₃ N ₁ type fuels. <i>Fuel</i> , 2013, 113, 389-401.	6.4	28
4	Heat transfer effects on the performance of an air-standard irreversible dual cycle. <i>International Journal of Vehicle Design</i> , 2013, 63, 102.	0.3	28
5	Thermodynamic, environmental and economic performance optimization of simple, regenerative, STIG and RSTIG gas turbine cycles. <i>Energy</i> , 2017, 121, 751-771.	8.8	24
6	A multi-featured model for estimation of thermodynamic properties, adiabatic flame temperature and equilibrium combustion products of fuels, fuel blends, surrogates and fuel additives. <i>Energy</i> , 2018, 143, 241-256.	8.8	19
7	Thermoenviromonic evaluation of simple, intercooled, STIG, and ISTIG cycles. <i>International Journal of Energy Research</i> , 2018, 42, 3780-3802.	4.5	16
8	Comparative Energy and Emission Analysis of Oxy-Combustion and Conventional Air Combustion. <i>Arabian Journal for Science and Engineering</i> , 2021, 46, 2477-2492.	3.0	14
9	Thermoeconomic Optimization and Performance Analysis of a Regenerative Closed Brayton Cycle with Internal Irreversibilities and Pressure Losses. <i>Iranian Journal of Science and Technology - Transactions of Mechanical Engineering</i> , 2017, 41, 61-70.	1.3	7
10	Thermodynamic performance analysis of state of the art gas turbine cycles with inter-stage turbine reheat and steam injection. <i>Energy</i> , 2021, 222, 119981.	8.8	5
11	Determination of optimum reheat pressures for single and double reheat irreversible Rankine cycle. <i>Journal of the Energy Institute</i> , 2011, , .	5.3	2
12	THERMOECONOMIC ANALYSIS OF HEAT RECOVERY STEAM GENERATORS FOR STEAM INJECTED GAS TURBINE CYCLES., 2014, , .		1
13	Environmental impact and cost analysis of gas turbine cycles with steam injection and inter-stage turbine reheat. <i>International Journal of Global Warming</i> , 2020, 21, 356.	0.5	0
14	Environmental impact and cost analysis of gas turbine cycles with steam injection and inter-stage turbine reheat. <i>International Journal of Global Warming</i> , 2020, 21, 356.	0.5	0