

Marta Muñoz

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

501
citations

933447

10
h-index

996975

15
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16
all docs

16
docs citations

16
times ranked

514
citing authors

#	ARTICLE	IF	CITATIONS
1	Performance analysis of an Integrated Solar Combined Cycle using Direct Steam Generation in parabolic trough collectors. <i>Applied Energy</i> , 2011, 88, 3228-3238.	10.1	214
2	Thermoeconomic optimisation of heat recovery steam generators of combined cycle gas turbine power plants considering off-design operation. <i>Energy Conversion and Management</i> , 2011, 52, 1840-1849.	9.2	69
3	Advances in the linear Fresnel single-tube receivers: Hybrid loops with non-evacuated and evacuated receivers. <i>Energy Conversion and Management</i> , 2017, 149, 318-333.	9.2	36
4	Critical stress and load conditions for pitting calculations of involute spur and helical gear teeth. <i>Mechanism and Machine Theory</i> , 2011, 46, 425-437.	4.5	34
5	Contact stress calculation of undercut spur and helical gear teeth. <i>Mechanism and Machine Theory</i> , 2011, 46, 1633-1646.	4.5	29
6	Analysis and optimisation of combined cycles gas turbines working with partial recuperation. <i>Energy Conversion and Management</i> , 2015, 106, 1097-1108.	9.2	24
7	Off-design analysis of a Hybrid Rankine-Brayton cycle used as the power block of a solar thermal power plant. <i>Energy</i> , 2017, 134, 369-381.	8.8	20
8	Proposal and analysis of an integrated solar combined cycle with partial recuperation. <i>Energy</i> , 2020, 198, 117379.	8.8	15
9	Comparison of Different Technologies for Integrated Solar Combined Cycles: Analysis of Concentrating Technology and Solar Integration. <i>Energies</i> , 2018, 11, 1064.	3.1	13
10	Proposal and study of a balanced hybrid Rankine-Brayton cycle for low-to-moderate temperature solar power plants. <i>Energy</i> , 2015, 89, 305-317.	8.8	12
11	Advanced thermodynamic cycles for finite heat sources: Proposals for closed and open heat sources applications. <i>Applied Thermal Engineering</i> , 2020, 167, 114805.	6.0	9
12	Simplified Calculation Method for the Efficiency of Involute Spur Gears. , 2009, , .		7
13	Thermodynamic cycles for solar thermal power plants: A review. <i>Wiley Interdisciplinary Reviews: Energy and Environment</i> , 2022, 11, e420.	4.1	7
14	Analysis of an Integrated Solar Combined Cycle with Recuperative Gas Turbine and Double Recuperative and Double Expansion Propane Cycle. <i>Entropy</i> , 2020, 22, 476.	2.2	6
15	Integrated solar combined cycles using gas turbines with partial recuperation and solar integration at different pressure levels. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	4
16	Proposal of optimized power cycles for the DEMO power plant (EUROfusion). <i>Fusion Engineering and Design</i> , 2019, 148, 111290.	1.9	2