

Rosa Pilar Merchán

List of Publications by Year in descending order

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15
papers

220
citations

1162367

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1281420

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all docs

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docs citations

15
times ranked

120
citing authors

#	ARTICLE	IF	CITATIONS
1	High temperature central tower plants for concentrated solar power: 2021 overview. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 155, 111828.	8.2	69
2	On- and off-design thermodynamic analysis of a hybrid polar solar thermal tower power plant. <i>International Journal of Energy Research</i> , 2021, 45, 1789-1805.	2.2	4
3	Thermo-economic and sensitivity analysis of a central tower hybrid Brayton solar power plant. <i>Applied Thermal Engineering</i> , 2021, 186, 116454.	3.0	14
4	Towards a Sustainable Future through Renewable Energies at Secondary School: An Educational Proposal. <i>Sustainability</i> , 2021, 13, 12904.	1.6	1
5	On-design pre-optimization and off-design analysis of hybrid Brayton thermosolar tower power plants for different fluids and plant configurations. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 119, 109590.	8.2	9
6	Thermodynamic and Cost Analysis of a Solar Dish Power Plant in Spain Hybridized with a Micro-Gas Turbine. <i>Energies</i> , 2020, 13, 5178.	1.6	9
7	Techno-economic analysis of a solar hybrid combined cycle power plant integrated with a packed bed storage at gas turbine exhaust. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	3
8	Towards a more efficient generation of central tower hybrid thermosolar gas turbine power plants. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	0
9	Roads to improve the performance of hybrid thermosolar gas turbine power plants: Working fluids and multi-stage configurations. <i>Energy Conversion and Management</i> , 2018, 165, 578-592.	4.4	18
10	Thermodynamic model of a hybrid Brayton thermosolar plant. <i>Renewable Energy</i> , 2018, 128, 473-483.	4.3	21
11	Modeling hybrid solar gas-turbine power plants: Thermodynamic projection of annual performance and emissions. <i>Energy Conversion and Management</i> , 2017, 134, 314-326.	4.4	23
12	Multistage configurations for hybrid thermosolar gas turbine power plants. <i>Renewable Energy and Power Quality Journal</i> , 2017, 1, 423-426.	0.2	0
13	Parametric analysis of thermal losses on hybrid solar gas-turbine power plants. <i>Renewable Energy and Power Quality Journal</i> , 2017, 1, 203-208.	0.2	0
14	Seasonal thermodynamic prediction of the performance of a hybrid solar gas-turbine power plant. <i>Energy Conversion and Management</i> , 2016, 115, 89-102.	4.4	48
15	Thermodynamic Simulation of a Hybrid Brayton Thermosolar Plant. <i>Renewable Energy and Power Quality Journal</i> , 0, , 157-161.	0.2	1