

Ana Cristina Ferreira

List of Publications by Year in descending order

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33
papers

289
citations

1306789

7
h-index

1058022

14
g-index

36
all docs

36
docs citations

36
times ranked

300
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermodynamic and economic optimization of a solar-powered Stirling engine for micro-cogeneration purposes. <i>Energy</i> , 2016, 111, 1-17.	4.5	86
2	Assessment of the Stirling engine performance comparing two renewable energy sources: Solar energy and biomass. <i>Renewable Energy</i> , 2020, 154, 581-597.	4.3	51
3	Design of a solar dish Stirling cogeneration system: Application of a multi-objective optimization approach. <i>Applied Thermal Engineering</i> , 2017, 123, 646-657.	3.0	31
4	An economic perspective on the optimisation of a small-scale cogeneration system for the Portuguese scenario. <i>Energy</i> , 2012, 45, 436-444.	4.5	26
5	Multi-Objective Optimization of Solar Thermal Systems Applied to Portuguese Dwellings. <i>Energies</i> , 2020, 13, 6739.	1.6	14
6	A symbiotic relationship between Lean Production and Ergonomics: insights from Industrial Engineering final year projects. <i>International Journal of Industrial Engineering and Management</i> , 2019, 10, 243-256.	1.0	12
7	Contact angle measurement of SAC 305 solder: numerical and experimental approach. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 8941-8950.	1.1	10
8	Numerical Study of the Unsteady Flow in Simplified and Realistic Iliac Bifurcation Models. <i>Fluids</i> , 2021, 6, 284.	0.8	9
9	Design Optimization of a Solar Dish Collector for Its Application With Stirling Engines. , 2015, , .		5
10	On Solving the Profit Maximization of Small Cogeneration Systems. <i>Lecture Notes in Computer Science</i> , 2012, , 147-158.	1.0	5
11	Thermal-economic optimisation of a CHP gas turbine system by applying a fit-problem genetic algorithm. <i>International Journal of Sustainable Energy</i> , 2018, 37, 354-377.	1.3	4
12	Sawdust drying process in a large-scale pellets facility: An energy and exergy analysis. <i>Cleaner Environmental Systems</i> , 2021, 2, 100037.	2.2	4
13	A CFD Study of a pMDI Plume Spray. , 2014, , 163-176.		4
14	Lean production and ergonomics: a synergy to improve productivity and working conditions. <i>International Journal of Occupational and Environmental Safety</i> , 2018, 2, 1-11.	0.3	4
15	Shedding light on important mentorship relationships issues in advanced engineering education. , 2013, , .		3
16	Talking about mentoring relationships from the perspectives of PhD students: A conceptual model development. , 2015, , .		3
17	Mentoring Relationships: Shedding Light on PhD Student Perspective. <i>Advances in Intelligent Systems and Computing</i> , 2015, , 235-244.	0.5	3
18	Optimal Design of Micro-Turbine Cogeneration Systems for the Portuguese Buildings Sector. , 2011, , .		2

#	ARTICLE	IF	CITATIONS
19	Thermal-Economic Modeling of a Micro-CHP Unit Based on a Stirling Engine. , 2013, , .		2
20	Maximum Profit of a Cogeneration System Based on Stirling Thermodynamic Cycle. , 2014, , .		2
21	CFD Modeling the Cooling Stage of Reflow Soldering Process. , 2016, , .		2
22	Modeling a Stirling Engine for Cogeneration Applications. , 2012, , .		1
23	Exergy Efficiency Optimization for Gas Turbine Based Cogeneration Systems. , 2013, , .		1
24	Numerical Study of Regenerator Configuration in the Design of a Stirling Engine. , 2014, , .		1
25	Impact of Lean Tools on Companies During Industrial Engineering Projects Implementation: A Correlation Study. Springer Proceedings in Mathematics and Statistics, 2021, , 79-91.	0.1	1
26	Development and Evaluation of a Micro-Cogeneration Prototype for Residential Applications. , 2010, , .		0
27	Factors That Can Influence Mentorship Relationships in Advanced Education: Critical Insight. , 2013, , .		0
28	Parametric Analysis of the Thermal Components of an Alpha-Stirling Engine for Cogeneration Applications. , 2017, , .		0
29	Multi-objective Optimization of Solar Thermal Systems Applied to Residential Building in Portugal. Lecture Notes in Computer Science, 2019, , 26-39.	1.0	0
30	Engineering Student Attitude Towards New Technologies Employed in Active Teaching. Advances in Intelligent Systems and Computing, 2021, , 647-656.	0.5	0
31	Contributions to the Study of Blood Flow in the Abdominal Aorta and Its Branches. , 2009, , .		0
32	CFD Simulation of an Alfa-Stirling Engine to Study the Geometrical Parameters on the Engine Performance. , 2019, , .		0
33	Steady Flow Studies of the Geometry Effects on the Recirculation Properties at the Iliac Bifurcation. , 2021, , .		0