

Pedro J Martinez

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

658
citations

623699

14
h-index

580810

25
g-index

28
all docs

28
docs citations

28
times ranked

549
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental study on energy performance of a split air-conditioner by using variable thickness evaporative cooling pads coupled to the condenser. <i>Applied Thermal Engineering</i> , 2016, 105, 1041-1050.	6.0	64
2	Analysis of an open-air swimming pool solar heating system by using an experimentally validated TRNSYS model. <i>Solar Energy</i> , 2010, 84, 116-123.	6.1	60
3	Experimental study of the energy and exergy performance of a plastic mesh evaporative pad used in air conditioning applications. <i>Applied Thermal Engineering</i> , 2018, 138, 675-685.	6.0	53
4	Experimental study on the thermal performance of a mechanical cooling tower with different drift eliminators. <i>Energy Conversion and Management</i> , 2009, 50, 490-497.	9.2	51
5	Transitioning From Face-to-Face to Blended and Full Online Learning Engineering Master's Program. <i>IEEE Transactions on Education</i> , 2020, 63, 2-9.	2.4	50
6	Experimental study on the performance of a mechanical cooling tower fitted with different types of water distribution systems and drift eliminators. <i>Applied Thermal Engineering</i> , 2013, 50, 282-292.	6.0	42
7	On the influence of psychrometric ambient conditions on cooling tower drift deposition. <i>International Journal of Heat and Mass Transfer</i> , 2010, 53, 594-604.	4.8	40
8	Design and test results of a low-capacity solar cooling system in Alicante (Spain). <i>Solar Energy</i> , 2012, 86, 2950-2960.	6.1	40
9	Modelling of a Variable Refrigerant Flow System in EnergyPlus for Building Energy Simulation in an Open Building Information Modelling Environment. <i>Energies</i> , 2019, 12, 22.	3.1	34
10	Experimental results of different control strategies in a solar air-conditioning system at part load. <i>Solar Energy</i> , 2011, 85, 1302-1315.	6.1	30
11	Development and experimental validation of a simulation model to reproduce the performance of a 17.6 kW LiBr-water absorption chiller. <i>Renewable Energy</i> , 2016, 86, 473-482.	8.9	25
12	Experimental determination of drift loss from a cooling tower with different drift eliminators using the chemical balance method. <i>International Journal of Refrigeration</i> , 2012, 35, 1779-1788.	3.4	24
13	A method for design analysis of absorption machines. <i>International Journal of Refrigeration</i> , 2002, 25, 634-639.	3.4	17
14	Performance analysis of a solar energy driven heating system. <i>Energy and Buildings</i> , 2005, 37, 1028-1034.	6.7	17
15	Simulation and experimental study of residential building with north side wind tower assisted by solar chimneys. <i>Journal of Building Engineering</i> , 2021, 43, 102562.	3.4	15
16	Design of a 35 kW Solar Cooling Demonstration Facility for a Hotel in Spain. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 496.	2.5	12
17	Experimental Validation of the Simulation Model of a DOAS Equipped with a Desiccant Wheel and a Vapor Compression Refrigeration System. <i>Energies</i> , 2017, 10, 1330.	3.1	11
18	Comparative experimental drift study between a dry and adiabatic fluid cooler and a cooling tower. <i>International Journal of Refrigeration</i> , 2008, 31, 1169-1175.	3.4	10

#	ARTICLE	IF	CITATIONS
19	Experimental optimization of the thermal performance of a dry and adiabatic fluid cooler. Applied Thermal Engineering, 2014, 69, 1-10.	6.0	10
20	Analysis of the Operation of an Aerothermal Heat Pump in a Residential Building Using Building Information Modelling. Energies, 2018, 11, 1642.	3.1	10
21	A method for obtaining performance correlations of absorption machines. International Journal of Thermal Sciences, 2003, 42, 379-384.	4.9	9
22	Comparison of the performance of two different DOAS configurations involving conventional and renewable energies. Solar Energy, 2018, 169, 284-296.	6.1	9
23	Performance analysis of an air conditioning system driven by natural gas. Energy and Buildings, 2003, 35, 669-674.	6.7	8
24	Performance comparison of solar autonomous and assisted absorption systems in Spain. International Journal of Refrigeration, 2016, 71, 85-93.	3.4	8
25	On using the minimum energy dissipation to estimate the steady-state of a flow network and discussion about the resulting power-law: application to tree-shaped networks in HVAC systems. Energy, 2019, 172, 181-195.	8.8	5
26	Analysis of the Performance of a Passive Downdraught Evaporative Cooling System Driven by Solar Chimneys in a Residential Building by Using an Experimentally Validated TRNSYS Model. Energies, 2021, 14, 3486.	3.1	3
27	Exploring the use of traditional heat transfer functions for energy simulation of buildings using discrete events and quantized-state-based integration. Journal of Building Performance Simulation, 2020, 13, 247-263.	2.0	1
28	Analysis of a DOAS operation in different Spanish climates using an experimentally validated TRNSYS model. International Journal of Ventilation, 2020, 19, 97-111.	0.4	0