

Nelson Fumo

List of Publications by Year in descending order

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25
papers

2,201
citations

623699
14
h-index

713444
21
g-index

25
all docs

25
docs citations

25
times ranked

2140
citing authors

#	ARTICLE	IF	CITATIONS
1	A review of ductless mini split HVAC system. Energy Reports, 2022, 8, 5930-5942.	5.1	7
2	Zoned heating, ventilation, and air conditioning residential systems: A systematic review. Journal of Building Engineering, 2021, 43, 102925.	3.4	6
3	A review of variable refrigerant flow HVAC system components for residential application. International Journal of Refrigeration, 2020, 110, 47-57.	3.4	23
4	Dehumidification performance of a variable speed heat pump and a single speed heat pump with and without dehumidification capabilities in a warm and humid climate. Energy Reports, 2020, 6, 1696-1701.	5.1	9
5	Prediction of residential building energy consumption: A neural network approach. Energy, 2016, 117, 84-92.	8.8	215
6	Performance modeling and parametric study of a stratified water thermal storage tank. Applied Thermal Engineering, 2016, 100, 668-679.	6.0	48
7	Using mathcad to simplify uncertainty computations in a laboratory course. Computer Applications in Engineering Education, 2015, 23, 250-257.	3.4	2
8	Regression analysis for prediction of residential energy consumption. Renewable and Sustainable Energy Reviews, 2015, 47, 332-343.	16.4	437
9	A review on the basics of building energy estimation. Renewable and Sustainable Energy Reviews, 2014, 31, 53-60.	16.4	312
10	Tool for Hourly Energy Consumption Estimation in Existing Office Buildings. , 2014, , .		0
11	Benefits of thermal energy storage option combined with CHP system for different commercial building types. Sustainable Energy Technologies and Assessments, 2013, 1, 3-12.	2.7	100
12	A Homeowner-Based Methodology for Economic Analysis of Energy-Efficiency Measures in Residences. Open Journal of Energy Efficiency, 2013, 02, 97-106.	1.0	1
13	Spark spread – A screening parameter for combined heating and power systems. Applied Energy, 2011, 88, 1494-1499.	10.1	25
14	Robustness of a methodology for estimating hourly energy consumption of buildings using monthly utility bills. Energy and Buildings, 2011, 43, 779-786.	6.7	12
15	Design considerations for combined cooling, heating, and power systems at altitude. Energy Conversion and Management, 2011, 52, 1459-1469.	9.2	21
16	Emissions spark spread and primary energy spark spread – Environmental and energy screening parameters for combined heating and power systems. Applied Energy, 2011, 88, 3891-3897.	10.1	13
17	Impact of CHP System Component Efficiencies on the Economic Benefit of CHP Systems Using Spark Spread Analysis. , 2011, , .		3
18	Methodology to estimate building energy consumption using EnergyPlus Benchmark Models. Energy and Buildings, 2010, 42, 2331-2337.	6.7	264

#	ARTICLE	IF	CITATIONS
19	Analysis of combined cooling, heating, and power systems based on source primary energy consumption. Applied Energy, 2010, 87, 2023-2030.	10.1	105
20	Potential of Solar Thermal Energy for CCHP Systems. , 2009, , .		4
21	Energy and economic evaluation of cooling, heating, and power systems based on primary energy. Applied Thermal Engineering, 2009, 29, 2665-2671.	6.0	38
22	Analysis of cooling, heating, and power systems based on site energy consumption. Applied Energy, 2009, 86, 928-932.	10.1	62
23	Emission operational strategy for combined cooling, heating, and power systems. Applied Energy, 2009, 86, 2344-2350.	10.1	146
24	Study of an aqueous lithium chloride desiccant system: air dehumidification and desiccant regeneration. Solar Energy, 2002, 72, 351-361.	6.1	348
25	Engineering Project Development Through a Sequence of Courses. , 0, , .		0