

Hikmet Esen

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30
papers

3,773
citations

24
h-index

30
g-index

30
ext. papers

4,261
ext. citations

6
avg, IF

5.77
L-index

#	Paper	IF	Citations
30	Technoeconomic appraisal of a ground source heat pump system for a heating season in eastern Turkey. <i>Energy Conversion and Management</i> , 2006 , 47, 1281-1297	10.6	396
29	A techno-economic comparison of ground-coupled and air-coupled heat pump system for space cooling. <i>Building and Environment</i> , 2007 , 42, 1955-1965	6.5	358
28	Energy and exergy analysis of a ground-coupled heat pump system with two horizontal ground heat exchangers. <i>Building and Environment</i> , 2007 , 42, 3606-3615	6.5	288
27	Experimental investigation of a two-phase closed thermosyphon solar water heater. <i>Solar Energy</i> , 2005 , 79, 459-468	6.8	275
26	Modelling and experimental performance analysis of solar-assisted ground source heat pump system. <i>Journal of Experimental and Theoretical Artificial Intelligence</i> , 2017 , 29, 1-17	2	238
25	Experimental investigation of thermal performance of a double-flow solar air heater having aluminium cans. <i>Renewable Energy</i> , 2009 , 34, 2391-2398	8.1	215
24	Experimental energy and exergy analysis of a double-flow solar air heater having different obstacles on absorber plates. <i>Building and Environment</i> , 2008 , 43, 1046-1054	6.5	214
23	Artificial neural network and wavelet neural network approaches for modelling of a solar air heater. <i>Expert Systems With Applications</i> , 2009 , 36, 11240-11248	7.8	198
22	Numerical and experimental analysis of a horizontal ground-coupled heat pump system. <i>Building and Environment</i> , 2007 , 42, 1126-1134	6.5	171
21	Performance prediction of a ground-coupled heat pump system using artificial neural networks. <i>Expert Systems With Applications</i> , 2008 , 35, 1940-1948	7.8	170
20	Artificial neural networks and adaptive neuro-fuzzy assessments for ground-coupled heat pump system. <i>Energy and Buildings</i> , 2008 , 40, 1074-1083	7	166
19	Experimental thermal performance evaluation of a horizontal ground-source heat pump system. <i>Applied Thermal Engineering</i> , 2004 , 24, 2219-2232	5.8	139
18	Forecasting of a ground-coupled heat pump performance using neural networks with statistical data weighting pre-processing. <i>International Journal of Thermal Sciences</i> , 2008 , 47, 431-441	4.1	133
17	Modelling of a new solar air heater through least-squares support vector machines. <i>Expert Systems With Applications</i> , 2009 , 36, 10673-10682	7.8	132
16	Modeling a ground-coupled heat pump system by a support vector machine. <i>Renewable Energy</i> , 2008 , 33, 1814-1823	8.1	107
15	Modelling a ground-coupled heat pump system using adaptive neuro-fuzzy inference systems. <i>International Journal of Refrigeration</i> , 2008 , 31, 65-74	3.8	102
14	Predicting performance of a ground-source heat pump system using fuzzy weighted pre-processing-based ANFIS. <i>Building and Environment</i> , 2008 , 43, 2178-2187	6.5	96

13	In-situ thermal response test for ground source heat pump system in Elazığ-Turkey. <i>Energy and Buildings</i> , 2009 , 41, 395-401	7	72
12	Temperature distributions in boreholes of a vertical ground-coupled heat pump system. <i>Renewable Energy</i> , 2009 , 34, 2672-2679	8.1	57
11	Modelling of a vertical ground coupled heat pump system by using artificial neural networks. <i>Expert Systems With Applications</i> , 2009 , 36, 10229-10238	7.8	49
10	ANN and ANFIS models for performance evaluation of a vertical ground source heat pump system. <i>Expert Systems With Applications</i> , 2010 , 37, 8134-8147	7.8	43
9	Seasonal cooling performance of a ground-coupled heat pump system in a hot and arid climate. <i>Renewable Energy</i> , 2005 , 30, 1411-1424	8.1	36
8	Optimization of operating parameters of a ground coupled heat pump system by Taguchi method. <i>Energy and Buildings</i> , 2015 , 107, 329-334	7	25
7	Experimental investigation on using Al ₂ O ₃ /ethylene glycol-water nano-fluid in different types of horizontal ground heat exchangers. <i>Applied Thermal Engineering</i> , 2020 , 165, 114559	5.8	25
6	Al/P-Si/Coumarin:TiO ₂ /Al Organic-Inorganic Hybrid Photodiodes: Investigation of Electrical and Structural Properties. <i>Silicon</i> , 2020 , 12, 2149-2164	2.4	24
5	Electrical and fotoconducting characterization of Al/coumarin:ZnO/Al novel organic-inorganic hybrid photodiodes. <i>Journal of Alloys and Compounds</i> , 2019 , 789, 595-606	5.7	21
4	The effect of coumarin addition on the electrical characteristics of Al/Coumarin:CdO/p-Si/Al photodiode prepared by drop casting technique. <i>Optik</i> , 2019 , 197, 163203	2.5	12
3	Investigation of Photovoltaic Assisted Misting System Application for Arbor Refreshment. <i>International Journal of Photoenergy</i> , 2015 , 2015, 1-11	2.1	5
2	Thermal response of ground for different depths on vertical ground source heat pump system in Elazığ-Turkey. <i>Journal of the Energy Institute</i> , 2009 , 82, 95-101	5.7	4
1	Design and Implementation of Automatic Wheat Mower Based on Smart Sensor Fed by a Photovoltaic. <i>International Journal of Photoenergy</i> , 2016 , 2016, 1-10	2.1	2