

Fu-wing Yu

List of Publications by Year in descending order

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49
papers

1,187
citations

304743

22
h-index

414414

32
g-index

50
all docs

50
docs citations

50
times ranked

647
citing authors

#	ARTICLE	IF	CITATIONS
1	Cooling effectiveness of mist precooler for improving energy performance of air-cooled chiller. <i>Thermal Science</i> , 2018, 22, 193-204.	1.1	4
2	Critique of operating variables importance on chiller energy performance using random forest. <i>Energy and Buildings</i> , 2017, 139, 653-664.	6.7	28
3	Analysis of centrifugal chillers with oil-free magnetic bearings for enhancing building energy performance. <i>Science and Technology for the Built Environment</i> , 2017, 23, 334-344.	1.7	5
4	Economic analysis of air-cooled chiller with advanced heat rejection. <i>International Journal of Refrigeration</i> , 2017, 73, 54-64.	3.4	9
5	Evaporative cooling technologies for air-cooled chillers for building energy performance improvement. <i>Advances in Building Energy Research</i> , 2016, 10, 10-19.	2.3	2
6	Hybrid Artificial Neural Network~Genetic Algorithm Technique for Condensing Temperature Control of Air-Cooled Chillers. <i>Procedia Engineering</i> , 2015, 121, 706-713.	1.2	8
7	Comparative study on the energy performance of chiller system in an institutional building with stochastic frontier analysis. <i>Energy and Buildings</i> , 2015, 89, 206-212.	6.7	8
8	Performance Evaluation of Oil-free Chillers for Building Energy Performance Improvement. <i>Procedia Engineering</i> , 2015, 121, 975-983.	1.2	12
9	Environmental benefits of sustainable chiller system under climate change. <i>International Journal of Sustainable Building Technology and Urban Development</i> , 2014, 5, 109-114.	1.0	0
10	Review of Standards for Energy Performance of Chiller Systems Serving Commercial Buildings. <i>Energy Procedia</i> , 2014, 61, 2778-2782.	1.8	30
11	Energy simulation of sustainable air-cooled chiller system for commercial buildings under climate change. <i>Energy and Buildings</i> , 2013, 64, 162-171.	6.7	19
12	Improved energy management of chiller systems with data envelopment analysis. <i>Applied Thermal Engineering</i> , 2013, 50, 309-317.	6.0	15
13	Energy management of chiller systems by data envelopment analysis. <i>Facilities</i> , 2013, 31, 106-118.	1.6	4
14	Chiller system performance benchmark by data envelopment analysis. <i>International Journal of Refrigeration</i> , 2012, 35, 1815-1823.	3.4	7
15	An analysis on the energy efficiency of air-cooled chillers with water mist system. <i>Energy and Buildings</i> , 2012, 55, 273-284.	6.7	29
16	Climatic influence on the design and operation of chiller systems serving office buildings in a subtropical climate. <i>Energy and Buildings</i> , 2012, 55, 500-507.	6.7	10
17	Improved energy management of chiller systems by multivariate and data envelopment analyses. <i>Applied Energy</i> , 2012, 92, 168-174.	10.1	53
18	Assessment of operating performance of chiller systems using cluster analysis. <i>International Journal of Thermal Sciences</i> , 2012, 53, 148-155.	4.9	21

#	ARTICLE	IF	CITATIONS
19	Using cluster and multivariate analyses to appraise the operating performance of a chiller system serving an institutional building. <i>Energy and Buildings</i> , 2012, 44, 104-113.	6.7	20
20	Improved energy performance of air-cooled chiller system with mist pre-cooling. <i>Applied Thermal Engineering</i> , 2011, 31, 537-544.	6.0	36
21	Economic benefits of optimal control for water-cooled chiller systems serving hotels in a subtropical climate. <i>Energy and Buildings</i> , 2010, 42, 203-209.	6.7	48
22	Simulation and electricity savings estimation of air-cooled centrifugal chiller system with mist pre-cooling. <i>Applied Energy</i> , 2010, 87, 1198-1206.	10.1	19
23	Environmental performance and economic analysis of all-variable speed chiller systems with load-based speed control. <i>Applied Thermal Engineering</i> , 2009, 29, 1721-1729.	6.0	39
24	Modelling of improved energy performance of air-cooled chillers with mist pre-cooling. <i>International Journal of Thermal Sciences</i> , 2009, 48, 825-836.	4.9	17
25	Optimizing condenser fan control for air-cooled centrifugal chillers. <i>International Journal of Thermal Sciences</i> , 2008, 47, 942-953.	4.9	32
26	Optimization of water-cooled chiller system with load-based speed control. <i>Applied Energy</i> , 2008, 85, 931-950.	10.1	85
27	Improved energy performance of air cooled centrifugal chillers with variable chilled water flow. <i>Energy Conversion and Management</i> , 2008, 49, 1595-1611.	9.2	44
28	Optimum load sharing strategy for multiple-chiller systems serving air-conditioned buildings. <i>Building and Environment</i> , 2007, 42, 1581-1593.	6.9	43
29	Strategy for designing more energy efficient chiller plants serving air-conditioned buildings. <i>Building and Environment</i> , 2007, 42, 3737-3746.	6.9	25
30	Part load performance of air-cooled centrifugal chillers with variable speed condenser fan control. <i>Building and Environment</i> , 2007, 42, 3816-3829.	6.9	51
31	Modelling of a condenser-fan control for an air-cooled centrifugal chiller. <i>Applied Energy</i> , 2007, 84, 1117-1135.	10.1	25
32	Low-energy design for air-cooled chiller plants in air-conditioned buildings. <i>Energy and Buildings</i> , 2006, 38, 334-339.	6.7	13
33	Modelling of the coefficient of performance of an air-cooled screw chiller with variable speed condenser fans. <i>Building and Environment</i> , 2006, 41, 407-417.	6.9	27
34	Life cycle analysis of enhanced condenser features for air-cooled chillers serving air-conditioned buildings. <i>Building and Environment</i> , 2006, 41, 981-991.	6.9	10
35	Thermodynamic-behaviour model for air-cooled screw chillers with a variable set-point condensing temperature. <i>Applied Energy</i> , 2006, 83, 265-279.	10.1	17
36	Constraints of using thermostatic expansion valves to operate air-cooled chillers at lower condensing temperatures. <i>Applied Thermal Engineering</i> , 2006, 26, 2470-2478.	6.0	9

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37	Economic benefits of improved condenser features for air-cooled chillers serving an air-conditioned hotel. Applied Thermal Engineering, 2006, 26, 1063-1073.	6.0	12
38	Improved condenser design and condenser-fan operation for air-cooled chillers. Applied Energy, 2006, 83, 628-648.	10.1	35
39	An alternative approach for the performance rating of air-cooled chillers used in air-conditioned buildings. Building and Environment, 2006, 41, 1723-1730.	6.9	17
40	Tune up of the set point of condensing temperature for more energy efficient air cooled chillers. Energy Conversion and Management, 2006, 47, 2499-2514.	9.2	15
41	Energy signatures for assessing the energy performance of chillers. Energy and Buildings, 2005, 37, 739-746.	6.7	41
42	Electricity end-use characteristics of air-cooled chillers in hotels in Hong Kong. Building and Environment, 2005, 40, 143-151.	6.9	26
43	Analysis of the component characteristics of air-cooled chillers for modelling floating condensing temperature control. Energy Conversion and Management, 2005, 46, 927-939.	9.2	15
44	Optimum condenser fan staging for air-cooled chillers. Applied Thermal Engineering, 2005, 25, 2204-2218.	6.0	14
45	Advanced control of condensing temperature for enhancing the operating efficiency of air-cooled chillers. Building and Environment, 2005, 40, 727-737.	6.9	18
46	Experimental determination of the energy efficiency of an air-cooled chiller under part load conditions. Energy, 2005, 30, 1747-1758.	8.8	46
47	Application of Direct Evaporative Coolers for Improving the Energy Efficiency of Air-Cooled Chillers. Journal of Solar Energy Engineering, Transactions of the ASME, 2005, 127, 430-433.	1.8	26
48	Optimum Setpoint of Condensing Temperature for Air-Cooled Chillers. HVAC and R Research, 2004, 10, 113-127.	0.6	41
49	Applying condensing-temperature control in air-cooled reciprocating water chillers for energy efficiency. Applied Energy, 2002, 72, 565-581.	10.1	53