

# Shengwei Wang

## List of Publications by Year in Descending Order

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**Version:** 2024-04-27

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

278  
papers

10,639  
citations

58  
h-index

88  
g-index

289  
ext. papers

12,459  
ext. citations

6.9  
avg, IF

7.08  
L-index

#	Paper	IF	Citations
278	Flow measurement uncertainty quantification for building central cooling systems with multiple water-cooled chillers using a Bayesian approach. <i>Applied Thermal Engineering</i> , <b>2022</b> , 202, 117857	5.8	2
277	A fully distributed optimal control approach for multi-zone dedicated outdoor air systems to be implemented in IoT-enabled building automation networks. <i>Applied Energy</i> , <b>2022</b> , 308, 118408	10.7	0
276	A model-based predictive dispatch strategy for unlocking and optimizing the building energy flexibilities of multiple resources in electricity markets of multiple services. <i>Applied Energy</i> , <b>2022</b> , 305, 117889	10.7	2
275	Experimental study on reliable operation strategy for multi-split backplane cooling system in data centers. <i>Applied Thermal Engineering</i> , <b>2022</b> , 118494	5.8	0
274	Two-time-scale coordinated optimal control of building energy systems for demand response considering forecast uncertainties. <i>Energy</i> , <b>2022</b> , 124204	7.9	0
273	An online robust sequencing control strategy for identical chillers using a probabilistic approach concerning flow measurement uncertainties. <i>Applied Energy</i> , <b>2022</b> , 317, 119198	10.7	3
272	A self-organization method for logic control of distributed building automation system. <i>Journal of Building Engineering</i> , <b>2022</b> , 54, 104688	5.2	3
271	Distributed Optimal Control for HVAC systems Adopting Edge Computing-Strategy, Implementation and Experimental Validation. <i>IEEE Internet of Things Journal</i> , <b>2021</b> , 1-1	10.7	
270	Comparative assessment of alternative MPC strategies using real meteorological data and their enhancement for optimal utilization of flexibility-resources in buildings. <i>Energy</i> , <b>2021</b> , 244, 122693	7.9	0
269	Coordinated demand-controlled ventilation strategy for energy-efficient operation in multi-zone cleanroom air-conditioning systems. <i>Building and Environment</i> , <b>2021</b> , 191, 107588	6.5	25
268	Energy flexibility quantification of grid-responsive buildings: Energy flexibility index and assessment of their effectiveness for applications. <i>Energy</i> , <b>2021</b> , 221, 119756	7.9	11
267	A real-time optimal control strategy for multi-zone VAV air-conditioning systems adopting a multi-agent based distributed optimization method. <i>Applied Energy</i> , <b>2021</b> , 287, 116605	10.7	10
266	A disturbance compensation enhanced control strategy of HVAC systems for improved building indoor environment control when providing power grid frequency regulation. <i>Renewable Energy</i> , <b>2021</b> , 169, 1330-1342	8.1	2
265	Impacts of technology-guided occupant behavior on air-conditioning system control and building energy use. <i>Building Simulation</i> , <b>2021</b> , 14, 209-217	3.9	15
264	Neighborhood-level coordination and negotiation techniques for managing demand-side flexibility in residential microgrids. <i>Renewable and Sustainable Energy Reviews</i> , <b>2021</b> , 135, 110248	16.2	19
263	Flexibility categorization, sources, capabilities and technologies for energy-flexible and grid-responsive buildings: State-of-the-art and future perspective. <i>Energy</i> , <b>2021</b> , 219, 119598	7.9	20
262	A hierarchical optimal control strategy for continuous demand response of building HVAC systems to provide frequency regulation service to smart power grids. <i>Energy</i> , <b>2021</b> , 230, 120741	7.9	10

261	Controlling a large constant speed centrifugal chiller to provide grid frequency regulation: A validation based on onsite tests. <i>Applied Energy</i> , <b>2021</b> , 300, 117359	10.7	2
260	Impacts of uncertain information delays on distributed real-time optimal controls for building HVAC systems deployed on IoT-enabled field control networks. <i>Applied Energy</i> , <b>2021</b> , 300, 117383	10.7	2
259	A delay-tolerant distributed optimal control method concerning uncertain information delays in IoT-enabled field control networks of building automation systems. <i>Applied Energy</i> , <b>2021</b> , 301, 117516	10.7	0
258	An event-driven multi-agent based distributed optimal control strategy for HVAC systems in IoT-enabled smart buildings. <i>Automation in Construction</i> , <b>2021</b> , 132, 103919	9.6	4
257	A novel operation approach for the energy efficiency improvement of the HVAC system in office spaces through real-time big data analytics. <i>Renewable and Sustainable Energy Reviews</i> , <b>2020</b> , 127, 109885	16.2	13
256	Experimental study on the dynamics, quality and impacts of using variable-speed pumps in buildings for frequency regulation of smart power grids. <i>Energy</i> , <b>2020</b> , 199, 117406	7.9	16
255	An agent-based distributed real-time optimal control strategy for building HVAC systems for applications in the context of future IoT-based smart sensor networks. <i>Applied Energy</i> , <b>2020</b> , 274, 115322	10.7	14
254	A systematic and probabilistic approach for optimal design and on-site adaptive balancing of building central cooling systems concerning uncertainties. <i>Science and Technology for the Built Environment</i> , <b>2020</b> , 26, 888-900	1.8	
253	A multi-agent based distributed approach for optimal control of multi-zone ventilation systems considering indoor air quality and energy use. <i>Applied Energy</i> , <b>2020</b> , 275, 115371	10.7	27
252	Model-based multi-objective predictive scheduling and real-time optimal control of energy systems in zero/low energy buildings using a game theory approach. <i>Automation in Construction</i> , <b>2020</b> , 113, 103139	9.6	11
251	Risk-based online robust optimal control of air-conditioning systems for buildings requiring strict humidity control considering measurement uncertainties. <i>Applied Energy</i> , <b>2020</b> , 261, 114451	10.7	7
250	Uncertainty-based robust optimal design of cleanroom air-conditioning systems considering life-cycle performance. <i>Indoor and Built Environment</i> , <b>2020</b> , 29, 1214-1226	1.8	5
249	Covariance-Based Uncertainty Analysis of Reference Equations of State. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2020</b> , 65, 503-522	2.8	2
248	The impact of providing frequency regulation service to power grids on indoor environment control and dedicated test signals for buildings. <i>Building and Environment</i> , <b>2020</b> , 183, 107217	6.5	3
247	Adaptive optimal monthly peak building demand limiting strategy based on exploration-exploitation tradeoff. <i>Automation in Construction</i> , <b>2020</b> , 119, 103349	9.6	0
246	A risk-based robust optimal chiller sequencing control strategy for energy-efficient operation considering measurement uncertainties. <i>Applied Energy</i> , <b>2020</b> , 280, 115983	10.7	13
245	An adaptive full-range decoupled ventilation strategy for buildings with spaces requiring strict humidity control and its applications in different climatic conditions. <i>Sustainable Cities and Society</i> , <b>2020</b> , 52, 101838	10.1	6
244	Coordinated robust optimal design of building envelope and energy systems for zero/low energy buildings considering uncertainties. <i>Applied Energy</i> , <b>2020</b> , 265, 114779	10.7	10

243	Optimal power demand management for cluster-level commercial buildings using the game theoretic method. <i>Energy Procedia</i> , <b>2019</b> , 159, 186-191	2.3	3
242	Investigation on the Use of Pumps in HVAC Systems for Providing Ancillary Services in Smart Grids. <i>Energy Procedia</i> , <b>2019</b> , 159, 219-224	2.3	7
241	Optimal Design of Multi-zone Air-conditioning Systems for Buildings Requiring Strict Humidity Control. <i>Energy Procedia</i> , <b>2019</b> , 158, 3202-3207	2.3	4
240	An MPC-Based Optimal Control Strategy of Active Thermal Storage in Commercial Buildings during Fast Demand Response Events in Smart Grids. <i>Energy Procedia</i> , <b>2019</b> , 158, 2506-2511	2.3	8
239	Probabilistic optimal design and on-site adaptive commissioning of building air-conditioning systems concerning uncertainties. <i>Energy Procedia</i> , <b>2019</b> , 158, 2725-2730	2.3	2
238	Optimal design of data center cooling systems concerning multi-chiller system configuration and component selection for energy-efficient operation and maximized free-cooling. <i>Renewable Energy</i> , <b>2019</b> , 143, 1717-1731	8.1	12
237	Game theory based interactive demand side management responding to dynamic pricing in price-based demand response of smart grids. <i>Applied Energy</i> , <b>2019</b> , 250, 118-130	10.7	76
236	Development of grid-responsive buildings: Opportunities, challenges, capabilities and applications of HVAC systems in non-residential buildings in providing ancillary services by fast demand responses to smart grids. <i>Applied Energy</i> , <b>2019</b> , 250, 697-712	10.7	47
235	A game theory-based decentralized control strategy for power demand management of building cluster using thermal mass and energy storage. <i>Applied Energy</i> , <b>2019</b> , 242, 809-820	10.7	24
234	Frequency control of air conditioners in response to real-time dynamic electricity prices in smart grids. <i>Applied Energy</i> , <b>2019</b> , 242, 92-106	10.7	32
233	Model predictive control for thermal energy storage and thermal comfort optimization of building demand response in smart grids. <i>Applied Energy</i> , <b>2019</b> , 242, 873-882	10.7	68
232	Study on the Optimization of PCM Integrated Air-Conditioning Duct for the Demand Shifting. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2019</b> , 238, 012045	0.3	2
231	Experimental Study on the Demand Shifting Effects of PCM Integrated Air-Conditioning Duct. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2019</b> , 238, 012048	0.3	1
230	A new distributed energy system configuration for cooling dominated districts and the performance assessment based on real site measurements. <i>Renewable Energy</i> , <b>2019</b> , 131, 390-403	8.1	9
229	Robust optimal design of zero/low energy buildings considering uncertainties and the impacts of objective functions. <i>Applied Energy</i> , <b>2019</b> , 254, 113683	10.7	10
228	Probabilistic optimal design of cleanroom air-conditioning systems facilitating optimal ventilation control under uncertainties. <i>Applied Energy</i> , <b>2019</b> , 253, 113576	10.7	12
227	Reliability and availability assessment and enhancement of water-cooled multi-chiller cooling systems for data centers. <i>Reliability Engineering and System Safety</i> , <b>2019</b> , 191, 106573	6.3	11
226	A proactive-adaptive monthly peak demand-limiting strategy for buildings with small-scale thermal storages considering load uncertainty. <i>Science and Technology for the Built Environment</i> , <b>2019</b> , 25, 1456-1466	1.8	1466

225	An adaptive optimal monthly peak building demand limiting strategy considering load uncertainty. <i>Applied Energy</i> , <b>2019</b> , 253, 113582	10.7	5
224	Coordinated optimal design of zero/low energy buildings and their energy systems based on multi-stage design optimization. <i>Energy</i> , <b>2019</b> , 189, 116202	7.9	30
223	Probabilistic load forecasting for buildings considering weather forecasting uncertainty and uncertain peak load. <i>Applied Energy</i> , <b>2019</b> , 237, 180-195	10.7	58
222	Adaptive full-range decoupled ventilation strategy and air-conditioning systems for cleanrooms and buildings requiring strict humidity control and their performance evaluation. <i>Energy</i> , <b>2019</b> , 168, 883-896	7.9	24
221	A simplified power consumption model of information technology (IT) equipment in data centers for energy system real-time dynamic simulation. <i>Applied Energy</i> , <b>2018</b> , 222, 329-342	10.7	31
220	Direct chiller power limiting for peak demand limiting control in buildings Methodology and on-site validation. <i>Automation in Construction</i> , <b>2018</b> , 85, 333-343	9.6	10
219	Optimal control strategy of central air-conditioning systems of buildings at morning start period for enhanced energy efficiency and peak demand limiting. <i>Energy</i> , <b>2018</b> , 151, 771-781	7.9	28
218	Sensitivity analysis of design parameters and optimal design for zero/low energy buildings in subtropical regions. <i>Applied Energy</i> , <b>2018</b> , 228, 1280-1291	10.7	65
217	A comparison of the effect of empirical and physical modeling approaches to extrapolation capability of compressor models by uncertainty analysis: A case study with common semi-empirical compressor mass flow rate models. <i>International Journal of Refrigeration</i> , <b>2018</b> , 86, 331-343	3.8	5
216	A direct load control strategy of centralized air-conditioning systems for building fast demand response to urgent requests of smart grids. <i>Automation in Construction</i> , <b>2018</b> , 87, 74-83	9.6	35
215	Promotion of distributed energy systems integrated with district cooling systems considering uncertainties in energy market and policy in China. <i>Energy Procedia</i> , <b>2018</b> , 149, 256-265	2.3	5
214	Robust optimal design of distributed energy systems based on life-cycle performance analysis using a probabilistic approach considering uncertainties of design inputs and equipment degradations. <i>Applied Energy</i> , <b>2018</b> , 231, 615-627	10.7	19
213	Optimal and near-optimal indoor temperature and humidity controls for direct load control and proactive building demand response towards smart grids. <i>Automation in Construction</i> , <b>2018</b> , 96, 250-261	9.6	14
212	Probabilistic approach for uncertainty-based optimal design of chiller plants in buildings. <i>Applied Energy</i> , <b>2017</b> , 185, 1613-1624	10.7	29
211	Diagnostic Bayesian networks for diagnosing air handling units faults [part I: Faults in dampers, fans, filters and sensors. <i>Applied Thermal Engineering</i> , <b>2017</b> , 111, 1272-1286	5.8	84
210	Retrofitting building fire service water tanks as chilled water storage for power demand limiting. <i>Building Services Engineering Research and Technology</i> , <b>2017</b> , 38, 47-63	2.3	8
209	Mining Big Building Operational Data for Building Cooling Load Prediction and Energy Efficiency Improvement <b>2017</b> ,		3
208	Probabilistic optimal design concerning uncertainties and on-site adaptive commissioning of air-conditioning water pump systems in buildings. <i>Applied Energy</i> , <b>2017</b> , 202, 53-65	10.7	10

207	District cooling systems and individual cooling systems: Comparative analysis and impacts of key factors. <i>Science and Technology for the Built Environment</i> , <b>2017</b> , 23, 241-250	1.8	5
206	Model-based optimal design of active cool thermal energy storage for maximal life-cycle cost saving from demand management in commercial buildings. <i>Applied Energy</i> , <b>2017</b> , 201, 382-396	10.7	38
205	Energy efficient design and control of cleanroom environment control systems in subtropical regions: A comparative analysis and on-site validation. <i>Applied Energy</i> , <b>2017</b> , 204, 582-595	10.7	24
204	Quantitative evaluation of the impact of building load characteristics on energy performance of district cooling systems. <i>Applied Energy</i> , <b>2017</b> , 205, 635-643	10.7	15
203	Performance of distributed energy systems in buildings in cooling dominated regions and the impacts of energy policies. <i>Applied Thermal Engineering</i> , <b>2017</b> , 127, 281-291	5.8	16
202	Sequential Monte Carlo simulation for robust optimal design of cooling water system with quantified uncertainty and reliability. <i>Energy</i> , <b>2017</b> , 118, 489-501	7.9	13
201	Robust optimal design of renewable energy system in nearly/net zero energy buildings under uncertainties. <i>Applied Energy</i> , <b>2017</b> , 187, 62-71	10.7	76
200	Supply-based feedback control strategy of air-conditioning systems for direct load control of buildings responding to urgent requests of smart grids. <i>Applied Energy</i> , <b>2017</b> , 201, 419-432	10.7	42
199	Performance and Benefits of Distributed Energy Systems in Cooling Dominated Regions: A Case Study. <i>Energy Procedia</i> , <b>2017</b> , 142, 1991-1996	2.3	2
198	Three-level Energy Performance Calculation and Assessment Method for Information Poor Buildings. <i>Procedia Engineering</i> , <b>2017</b> , 205, 2223-2230		0
197	Application of Distributed Energy Systems in Subtropical and High Density Urban Areas. <i>Energy Procedia</i> , <b>2017</b> , 142, 2870-2876	2.3	3
196	A fault-tolerant control method of balancing valves for condenser fouling in water-cooled chillers. <i>Energy Procedia</i> , <b>2017</b> , 142, 1793-1798	2.3	
195	District cooling systems: Technology integration, system optimization, challenges and opportunities for applications. <i>Renewable and Sustainable Energy Reviews</i> , <b>2016</b> , 53, 253-264	16.2	75
194	A seasonal cold storage system based on separate type heat pipe for sustainable building cooling. <i>Renewable Energy</i> , <b>2016</b> , 85, 880-889	8.1	46
193	A power limiting control strategy based on adaptive utility function for fast demand response of buildings in smart grids. <i>Science and Technology for the Built Environment</i> , <b>2016</b> , 22, 810-819	1.8	27
192	Building demand response and control methods for smart grids: A review. <i>Science and Technology for the Built Environment</i> , <b>2016</b> , 22, 692-704	1.8	24
191	A model-based adaptive method for evaluating the energy impact of low delta-T syndrome in complex HVAC systems using support vector regression. <i>Building Services Engineering Research and Technology</i> , <b>2016</b> , 37, 573-596	2.3	3
190	Robust optimal design of chilled water systems in buildings with quantified uncertainty and reliability for minimized life-cycle cost. <i>Energy and Buildings</i> , <b>2016</b> , 126, 159-169	7	35

189	An uncertainty-based design optimization method for district cooling systems. <i>Energy</i> , <b>2016</b> , 102, 516-527	9	38
188	A system-level fault detection and diagnosis method for low delta-T syndrome in the complex HVAC systems. <i>Applied Energy</i> , <b>2016</b> , 164, 1028-1038	10.7	57
187	Development and validation of an effective and robust chiller sequence control strategy using data-driven models. <i>Automation in Construction</i> , <b>2016</b> , 65, 78-85	9.6	28
186	Building Life-Cycle Commissioning and Optimisation: Approach and Practice. <i>SpringerBriefs in Environment, Security, Development and Peace</i> , <b>2016</b> , 101-129	0.1	
185	Making buildings smarter, grid-friendly, and responsive to smart grids. <i>Science and Technology for the Built Environment</i> , <b>2016</b> , 22, 629-632	1.8	14
184	Cooling Supply-based HVAC System Control for Fast Demand Response of Buildings to Urgent Requests of Smart Grids. <i>Energy Procedia</i> , <b>2016</b> , 103, 34-39	2.3	13
183	Optimal Design of Active Cool Thermal Energy Storage Concerning Life-cycle Cost Saving for Demand Management in Non-residential Building. <i>Energy Procedia</i> , <b>2016</b> , 103, 64-69	2.3	2
182	Robust optimal design of district cooling systems and the impacts of uncertainty and reliability. <i>Energy and Buildings</i> , <b>2016</b> , 122, 11-22	7	29
181	In-situ implementation and evaluation of an online robust pump speed control strategy for avoiding low delta- T syndrome in complex chilled water systems of high-rise buildings. <i>Applied Energy</i> , <b>2016</b> , 171, 541-554	10.7	16
180	Diagnostic Bayesian networks for diagnosing air handling units faults [Part II: Faults in coils and sensors. <i>Applied Thermal Engineering</i> , <b>2015</b> , 90, 145-157	5.8	79
179	Design optimization and optimal control of grid-connected and standalone nearly/net zero energy buildings. <i>Applied Energy</i> , <b>2015</b> , 155, 463-477	10.7	149
178	A multi-level energy performance diagnosis method for energy information poor buildings. <i>Energy</i> , <b>2015</b> , 83, 189-203	7.9	35
177	The practical performance forecast and analysis of thermoelectric module from macro to micro. <i>Energy Conversion and Management</i> , <b>2015</b> , 100, 23-29	10.6	13
176	Optimal scheduling of buildings with energy generation and thermal energy storage under dynamic electricity pricing using mixed-integer nonlinear programming. <i>Applied Energy</i> , <b>2015</b> , 147, 49-58	10.7	117
175	Effectiveness and life-cycle cost-benefit analysis of active cold storages for building demand management for smart grid applications. <i>Applied Energy</i> , <b>2015</b> , 147, 523-535	10.7	34
174	Robust optimal design of building cooling systems considering cooling load uncertainty and equipment reliability. <i>Applied Energy</i> , <b>2015</b> , 159, 265-275	10.7	45
173	Performance Assessment of District Cooling System Coupled with Different Energy Technologies in Subtropical Area. <i>Energy Procedia</i> , <b>2015</b> , 75, 1235-1241	2.3	12
172	In-situ validation of a fault tolerant control strategy for VAV systems. <i>Applied Thermal Engineering</i> , <b>2015</b> , 87, 362-370	5.8	4

171	Robust optimal design of building cooling systems concerning uncertainties using mini-max regret theory. <i>Science and Technology for the Built Environment</i> , <b>2015</b> , 21, 789-799	1.8	12
170	Performance assessment of district cooling systems for a new development district at planning stage. <i>Applied Energy</i> , <b>2015</b> , 140, 33-43	10.7	35
169	MPC-based optimal scheduling of grid-connected low energy buildings with thermal energy storages. <i>Energy and Buildings</i> , <b>2015</b> , 86, 415-426	7	103
168	A simplified method for optimal design of solar water heating systems based on life-cycle energy analysis. <i>Renewable Energy</i> , <b>2015</b> , 74, 271-278	8.1	31
167	A fast chiller power demand response control strategy for buildings connected to smart grid. <i>Applied Energy</i> , <b>2015</b> , 137, 77-87	10.7	82
166	Robust Optimal Design of Chiller Plants Based on Cooling Load Distribution. <i>Energy Procedia</i> , <b>2015</b> , 75, 1354-1359	2.3	6
165	Feasibility and optimization of aerogel glazing system for building energy efficiency in different climates. <i>International Journal of Low-Carbon Technologies</i> , <b>2015</b> , 10, 412-419	2.8	10
164	Impacts of cooling load calculation uncertainties on the design optimization of building cooling systems. <i>Energy and Buildings</i> , <b>2015</b> , 94, 1-9	7	48
163	Impacts of renewable energy system design inputs on the performance robustness of net zero energy buildings. <i>Energy</i> , <b>2015</b> , 93, 1595-1606	7.9	33
162	A novel air-conditioning system for proactive power demand response to smart grid. <i>Energy Conversion and Management</i> , <b>2015</b> , 102, 239-246	10.6	44
161	Evaluation of a fast power demand response strategy using active and passive building cold storages for smart grid applications. <i>Energy Conversion and Management</i> , <b>2015</b> , 102, 227-238	10.6	41
160	Renewable energy system optimization of low/zero energy buildings using single-objective and multi-objective optimization methods. <i>Energy and Buildings</i> , <b>2015</b> , 89, 61-75	7	113
159	A simplified analytical model to evaluate the impact of radiant heat on building cooling load. <i>Applied Thermal Engineering</i> , <b>2015</b> , 77, 30-41	5.8	23
158	The step-change cooling performance of miniature thermoelectric module for pulse laser. <i>Energy Conversion and Management</i> , <b>2014</b> , 80, 39-45	10.6	29
157	Development of prediction models for next-day building energy consumption and peak power demand using data mining techniques. <i>Applied Energy</i> , <b>2014</b> , 127, 1-10	10.7	299
156	Research and application of active hollow core slabs in building systems for utilizing low energy sources. <i>Applied Energy</i> , <b>2014</b> , 116, 424-435	10.7	39
155	An interactive building power demand management strategy for facilitating smart grid optimization. <i>Applied Energy</i> , <b>2014</b> , 116, 297-310	10.7	115
154	Life-cycle cost benefit analysis and optimal design of small scale active storage system for building demand limiting. <i>Energy</i> , <b>2014</b> , 73, 787-800	7.9	19



153	Bayesian network based FDD strategy for variable air volume terminals. <i>Automation in Construction</i> , <b>2014</b> , 41, 106-118	9.6	71
152	Performance analysis of hybrid ground source heat pump systems based on ANN predictive control. <i>Applied Energy</i> , <b>2014</b> , 136, 1138-1144	10.7	64
151	A Novel Air-conditioning System for Proactive Power Demand Response to Smart Grid. <i>Energy Procedia</i> , <b>2014</b> , 61, 25-28	2.3	2
150	Effects and Performance of a Demand Response Strategy for Active and Passive Building Cold Storage. <i>Energy Procedia</i> , <b>2014</b> , 61, 564-567	2.3	6
149	A robust pattern recognition-based fault detection and diagnosis (FDD) method for chillers. <i>HVAC and R Research</i> , <b>2014</b> , 20, 798-809		41
148	Building power demand response methods toward smart grid. <i>HVAC and R Research</i> , <b>2014</b> , 20, 665-687		50
147	A Fault Detection and Diagnosis Method for Low Delta-T Syndrome in a Complex Air-conditioning System. <i>Energy Procedia</i> , <b>2014</b> , 61, 2514-2517	2.3	1
146	A statistical fault detection and diagnosis method for centrifugal chillers based on exponentially-weighted moving average control charts and support vector regression. <i>Applied Thermal Engineering</i> , <b>2013</b> , 51, 560-572	5.8	66
145	An optimal control strategy with enhanced robustness for air-conditioning systems considering model and measurement uncertainties. <i>Energy and Buildings</i> , <b>2013</b> , 67, 540-550	7	13
144	Energy performance enhancement of Hong Kong International Airport through chilled water system integration and control optimization. <i>Applied Thermal Engineering</i> , <b>2013</b> , 60, 303-315	5.8	10
143	In situ performance comparison and evaluation of three chiller sequencing control strategies in a super high-rise building. <i>Energy and Buildings</i> , <b>2013</b> , 61, 333-343	7	28
142	Peak load shifting control using different cold thermal energy storage facilities in commercial buildings: A review. <i>Energy Conversion and Management</i> , <b>2013</b> , 71, 101-114	10.6	205
141	An intelligent chiller fault detection and diagnosis methodology using Bayesian belief network. <i>Energy and Buildings</i> , <b>2013</b> , 57, 278-288	7	130
140	Development and validation of a simplified online cooling load prediction strategy for a super high-rise building in Hong Kong. <i>Energy Conversion and Management</i> , <b>2013</b> , 68, 20-27	10.6	34
139	Multiplexed optimization for complex air conditioning systems. <i>Building and Environment</i> , <b>2013</b> , 65, 99-108		25
138	Investigation of a novel thermoelectric radiant air-conditioning system. <i>Energy and Buildings</i> , <b>2013</b> , 59, 123-132	7	81
137	Pattern recognition-based chillers fault detection method using Support Vector Data Description (SVDD). <i>Applied Energy</i> , <b>2013</b> , 112, 1041-1048	10.7	131
136	An online adaptive optimal control strategy for complex building chilled water systems involving intermediate heat exchangers. <i>Applied Thermal Engineering</i> , <b>2013</b> , 50, 614-628	5.8	39

135	Building instantaneous cooling load fused measurement: multiple-sensor-based fusion versus chiller-model-based fusion. <i>Building Services Engineering Research and Technology</i> , <b>2013</b> , 34, 177-194	2.3	1
134	Numerical and experimental analysis of transient supercooling effect of voltage pulse on thermoelectric element. <i>International Journal of Refrigeration</i> , <b>2012</b> , 35, 1156-1165	3.8	43
133	Neural network based prediction method for preventing condensation in chilled ceiling systems. <i>Energy and Buildings</i> , <b>2012</b> , 45, 290-298	7	37
132	Research and application of evaporative cooling in China: A review (I) Research. <i>Renewable and Sustainable Energy Reviews</i> , <b>2012</b> , 16, 3535-3546	16.2	98
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