# Gongsheng Huang

## List of Publications by Year in Descending Order



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|---|---|---|---|
| 145 papers | 3,904 citations | 34 h-index | 57 g-index |
| 151 ext. papers | 4,705 ext. citations | 6.5 avg, IF | 6.3 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 145 | Real-time optimal control of HVAC systems: Model accuracy and optimization reward. *Journal of Building Engineering*, **2022**, 50, 104159 | 5.2 | 1 |
| 144 | Flow measurement uncertainty quantification for building central cooling systems with multiple water-cooled chillers using a Bayesian approach. *Applied Thermal Engineering*, **2022**, 202, 117857 | 5.8 | 2 |
| 143 | Engineering a superinsulating wall with a beneficial thermal nonuniformity factor to improve building energy efficiency. *Energy and Buildings*, **2022**, 256, 111680 | 7 | 2 |
| 142 | Experimental study on reliable operation strategy for multi-split backplane cooling system in data centers. *Applied Thermal Engineering*, **2022**, 118494 | 5.8 | 0 |
| 141 | Coordination of commercial prosumers with distributed demand-side flexibility in energy sharing and management system. *Energy*, **2022**, 248, 123634 | 7.9 | 2 |
| 140 | Data Reconstruction of Wireless Sensor Network and Zonal Demand Control in a Large-Scale Indoor Space Considering Thermal Coupling. *Buildings*, **2022**, 12, 15 | 3.2 | 0 |
| 139 | Study on the impacts of occupant distribution on the thermal environment of tall and large public spaces. *Building and Environment*, **2022**, 218, 109134 | 6.5 | 0 |
| 138 | An online robust sequencing control strategy for identical chillers using a probabilistic approach concerning flow measurement uncertainties. *Applied Energy*, **2022**, 317, 119198 | 10.7 | 3 |
| 137 | Distributed real-time optimal control of central air-conditioning systems. *Energy and Buildings*, **2021** , 256, 111756 | 7 | 1 |
| 136 | Condensation-free radiant cooling with double-skin infrared-transparent membranes. *Building and Environment*, **2021**, 193, 107660 | 6.5 | 9 |
| 135 | Heat transfer modeling and analysis of air-layer integrated radiant cooling unit. *Applied Thermal Engineering*, **2021**, 194, 117086 | 5.8 | 1 |
| 134 | Neighborhood-level coordination and negotiation techniques for managing demand-side flexibility in residential microgrids. *Renewable and Sustainable Energy Reviews*, **2021**, 135, 110248 | 16.2 | 19 |
| 133 | Swimming pool heating technology: A state-of-the-art review. *Building Simulation*, **2021**, 14, 421-440 | 3.9 | 6 |
| 132 | Optimal setting parameters of cooling system under different climate zones for data center energy efficiency. *International Journal of Energy Research*, **2021**, 45, 10086-10099 | 4.5 | 0 |
| 131 | Data mining approach for improving the optimal control of HVAC systems: An event-driven strategy. *Journal of Building Engineering*, **2021**, 39, 102246 | 5.2 | 12 |
| 130 | Regional climate effects on the optimal thermal resistance and capacitance of residential building walls. *Energy and Buildings*, **2021**, 244, 111030 | 7 | 4 |
| 129 | A hierarchical optimal control strategy for continuous demand response of building HVAC systems to provide frequency regulation service to smart power grids. *Energy*, **2021**, 230, 120741 | 7.9 | 10 |

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| 128 | Techno-economic performance analysis of synergistic energy sharing strategies for grid-connected prosumers with distributed battery storages. *Renewable Energy*, **2021**, 178, 1261-1278 | 8.1 | 6 |
| 127 | Optimal moisture buffering thickness of the hygroscopic material layer: Modeling and derivation. *Building and Environment*, **2021**, 205, 108257 | 6.5 | 2 |
| 126 | Experimental investigation on the dynamic thermal performance of the parallel solar-assisted air-source heat pump latent heat thermal energy storage system. *Renewable Energy*, **2021**, 180, 637-657 | 8.1 | 5 |
| 125 | An event-driven multi-agent based distributed optimal control strategy for HVAC systems in IoT-enabled smart buildings. *Automation in Construction*, **2021**, 132, 103919 | 9.6 | 4 |
| 124 | Thermal environment and thermal comfort built by decoupled radiant cooling units with low radiant cooling temperature. *Building and Environment*, **2021**, 206, 108342 | 6.5 | 1 |
| 123 | Development of event-driven optimal control for central air-conditioning systems. *Journal of Building Performance Simulation*, **2020**, 13, 378-390 | 2.8 | 4 |
| 122 | A multi-agent based distributed approach for optimal control of multi-zone ventilation systems considering indoor air quality and energy use. *Applied Energy*, **2020**, 275, 115371 | 10.7 | 27 |
| 121 | Uncertainty-based robust optimal design of cleanroom air-conditioning systems considering life-cycle performance. *Indoor and Built Environment*, **2020**, 29, 1214-1226 | 1.8 | 5 |
| 120 | Inverse optimization of building thermal resistance and capacitance for minimizing air conditioning loads. *Renewable Energy*, **2020**, 148, 975-986 | 8.1 | 11 |
| 119 | The impact of providing frequency regulation service to power grids on indoor environment control and dedicated test signals for buildings. *Building and Environment*, **2020**, 183, 107217 | 6.5 | 3 |
| 118 | Adaptive regression model-based real-time optimal control of central air-conditioning systems. *Applied Energy*, **2020**, 276, 115427 | 10.7 | 10 |
| 117 | Controllable nano-fibrous interlayers for improved thermal insulation performance. *Applied Thermal Engineering*, **2020**, 179, 115781 | 5.8 | 1 |
| 116 | A risk-based robust optimal chiller sequencing control strategy for energy-efficient operation considering measurement uncertainties. *Applied Energy*, **2020**, 280, 115983 | 10.7 | 13 |
| 115 | A study on the integration of air-source heat pumps, solar collectors, and PCM tanks for outdoor swimming pools for winter application in subtropical climates. *Journal of Building Performance Simulation*, **2020**, 13, 662-683 | 2.8 | 4 |
| 114 | A novel model based on multi-grained cascade forests with wavelet denoising for indoor occupancy estimation. *Building and Environment*, **2020**, 167, 106461 | 6.5 | 17 |
| 113 | Optimum insulation thicknesses and energy conservation of building thermal insulation materials in Chinese zone of humid subtropical climate. *Sustainable Cities and Society*, **2020**, 52, 101840 | 10.1 | 61 |
| 112 | Numerical and experimental study on the thermal performance of aerogel insulating panels for building energy efficiency. *Renewable Energy*, **2019**, 138, 445-457 | 8.1 | 43 |
| 111 | A hybrid predictive sequencing control for multi-chiller plant with considerations of indoor environment control, energy conservation and economical operation cost. *Sustainable Cities and Society*, **2019**, 49, 101616 | 10.1 | 13 |

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| 110 | Calculation of the maximum moisture buffering thickness of building wall layer of hygroscopic material. *Building and Environment*, **2019**, 160, 106173 | 6.5 | 14 |
| 109 | A new distributed energy system configuration for cooling dominated districts and the performance assessment based on real site measurements. *Renewable Energy*, **2019**, 131, 390-403 | 8.1 | 9 |
| 108 | Development of a simplified dynamic moisture transfer model of building wall layer of hygroscopic material. *Energy*, **2019**, 183, 1278-1294 | 7.9 | 8 |
| 107 | A foamed cement blocks with paraffin/expanded graphite composite phase change solar thermal absorption material. *Solar Energy Materials and Solar Cells*, **2019**, 200, 110038 | 6.4 | 32 |
| 106 | Development of an integrated low-carbon heating system for outdoor swimming pools for winter application. *E3S Web of Conferences*, **2019**, 111, 03031 | 0.5 | 0 |
| 105 | Coordinated optimal design of zero/low energy buildings and their energy systems based on multi-stage design optimization. *Energy*, **2019**, 189, 116202 | 7.9 | 30 |
| 104 | Comparative analysis of U-pipe location on the sizing of borehole heat exchangers. *Applied Thermal Engineering*, **2019**, 150, 666-673 | 5.8 | 10 |
| 103 | Adaptive full-range decoupled ventilation strategy and air-conditioning systems for cleanrooms and buildings requiring strict humidity control and their performance evaluation. *Energy*, **2019**, 168, 883-896 | 7.9 | 24 |
| 102 | Investigation of maximum cooling loss in a piping network using Bayesian Markov Chain Monte Carlo method. *Journal of Building Performance Simulation*, **2019**, 12, 117-132 | 2.8 | 4 |
| 101 | An hourly simulation method for the energy performance of an office building served by a ground-coupled heat pump system. *Renewable Energy*, **2018**, 126, 495-508 | 8.1 | 18 |
| 100 | Uncertainty-based life-cycle analysis of near-zero energy buildings for performance improvements. *Applied Energy*, **2018**, 213, 486-498 | 10.7 | 48 |
| 99 | Feasibility study of a PCM storage tank integrated heating system for outdoor swimming pools during the winter season. *Applied Thermal Engineering*, **2018**, 134, 490-500 | 5.8 | 21 |
| 98 | Multi-zone outdoor air coordination through Wi-Fi probe-based occupancy sensing. *Energy and Buildings*, **2018**, 159, 495-507 | 7 | 32 |
| 97 | Building-group-level performance evaluations of net zero energy buildings with non-collaborative controls. *Applied Energy*, **2018**, 212, 565-576 | 10.7 | 34 |
| 96 | Event-driven optimal control of central air-conditioning systems: Event-space establishment. *Science and Technology for the Built Environment*, **2018**, 24, 839-849 | 1.8 | 14 |
| 95 | Optimal configuration of multiple-chiller plants under cooling load uncertainty for different climate effects and building types. *Energy and Buildings*, **2018**, 158, 684-697 | 7 | 27 |
| 94 | Estimation of soil and grout thermal properties for ground-coupled heat pump systems: Development and application. *Applied Thermal Engineering*, **2018**, 143, 112-122 | 5.8 | 14 |
| 93 | A robust design of nearly zero energy building systems considering performance degradation and maintenance. *Energy*, **2018**, 163, 905-919 | 7.9 | 18 |

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| 92 | A direct load control strategy of centralized air-conditioning systems for building fast demand response to urgent requests of smart grids. *Automation in Construction*, **2018**, 87, 74-83 | 9.6 | 35 |
| 91 | Optimal design of PCM thermal storage tank and its application for winter available open-air swimming pool. *Applied Energy*, **2018**, 209, 224-235 | 10.7 | 40 |
| 90 | Numerical and experimental study on airborne disinfection by negative ions in air duct flow. *Building and Environment*, **2018**, 127, 204-210 | 6.5 | 21 |
| 89 | 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. *Applied Energy*, **2018**, 231, 615-627 | 10.7 | 19 |
| 88 | A collaborative control optimization of grid-connected net zero energy buildings for performance improvements at building group level. *Energy*, **2018**, 164, 536-549 | 7.9 | 19 |
| 87 | Development of a moisture transfer calculation method of hygroscopic material plate in buildings. *Building and Environment*, **2018**, 142, 398-413 | 6.5 | 9 |
| 86 | Robustness enhancement for chiller sequencing control under uncertainty. *Applied Thermal Engineering*, **2018**, 141, 811-818 | 5.8 | 21 |
| 85 | A top-down control method of nZEBs for performance optimization at nZEB-cluster-level. *Energy*, **2018**, 159, 891-904 | 7.9 | 27 |
| 84 | Multiplexed real-time optimization of HVAC systems with enhanced control stability. *Applied Energy*, **2017**, 187, 640-651 | 10.7 | 20 |
| 83 | Recent Developments in HVAC System Control and Building Demand Management. *Current Sustainable/Renewable Energy Reports*, **2017**, 4, 15-21 | 2.8 | 5 |
| 82 | HVAC Energy Saving in IPS-enabled Large Space: An Occupancy Distribution Based Demand-driven Control Approach. *Energy Procedia*, **2017**, 105, 2083-2088 | 2.3 | 2 |
| 81 | Improvements on the American Society of Heating, Refrigeration, and Air-Conditioning Engineers Handbook equations for sizing borehole ground heat exchangers. *Science and Technology for the Built Environment*, **2017**, 23, 1267-1281 | 1.8 | 9 |
| 80 | Sizing heating, ventilating, and air-conditioning systems under uncertainty in both load-demand and capacity-supply side from a life-cycle aspect. *Science and Technology for the Built Environment*, **2017**, 23, 367-381 | 1.8 | 15 |
| 79 | Investigation of maximum cooling loss uncertainty in piping network using Bayesian Markov Chain Monte Carlo method. *Energy Procedia*, **2017**, 143, 258-263 | 2.3 | 0 |
| 78 | Thermal performance and service life of vacuum insulation panels with aerogel composite cores. *Energy and Buildings*, **2017**, 154, 606-617 | 7 | 77 |
| 77 | An Evaluation of Heat Transfer Coefficient in an Independent Zonal Temperature Controls with CFD. *Energy Procedia*, **2017**, 105, 2260-2266 | 2.3 | 1 |
| 76 | Modeling and coupling effect evaluation of thermal conductivity of ternary opacifier/fiber/aerogel composites for super-thermal insulation. *Materials and Design*, **2017**, 133, 224-236 | 8.1 | 55 |
| 75 | Performance of distributed energy systems in buildings in cooling dominated regions and the impacts of energy policies. *Applied Thermal Engineering*, **2017**, 127, 281-291 | 5.8 | 16 |

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| 74 | Energy efficient HVAC control for an IPS-enabled large space in commercial buildings through dynamic spatial occupancy distribution. *Applied Energy*, **2017**, 207, 305-323 | 10.7 | 39 |
| 73 | Supply-based feedback control strategy of air-conditioning systems for direct load control of buildings responding to urgent requests of smart grids. *Applied Energy*, **2017**, 201, 419-432 | 10.7 | 42 |
| 72 | Analytical solution and economic impact for improved p(t)-linear average method to estimate the ground thermal properties during in situ thermal response test. *Science and Technology for the Built Environment*, **2017**, 23, 324-333 | 1.8 | 6 |
| 71 | Performance and Benefits of Distributed Energy Systems in Cooling Dominated Regions: A Case Study. *Energy Procedia*, **2017**, 142, 1991-1996 | 2.3 | 2 |
| 70 | A Data Mining Approach to Discover Critical Events for Event-Driven Optimization in Building Air Conditioning Systems. *Energy Procedia*, **2017**, 143, 251-257 | 2.3 | 8 |
| 69 | Design optimization of the PCM storage tank for heating an Open-air swimming pool. *Procedia Engineering*, **2017**, 205, 842-848 | | 3 |
| 68 | Transient Ground and Grout Parameters Estimation Method for a Ground-Coupled Heat Pump System with Sandbox TRT Reference Data. *Procedia Engineering*, **2017**, 205, 2662-2669 | | 3 |
| 67 | Robustness Analysis and Enhancement of Chiller Sequencing Control under Uncertainties. *Procedia Engineering*, **2017**, 205, 1878-1885 | | 4 |
| 66 | A coordinated VAV control with integration of heat transfer coefficients for improving energy efficiency and thermal comfort. *Energy Procedia*, **2017**, 143, 271-276 | 2.3 | 2 |
| 65 | Degree of freedom based set-point reset scheme for HVAC real-time optimization. *Energy and Buildings*, **2016**, 128, 349-359 | 7 | 12 |
| 64 | A transient quasi-3D entire time scale line source model for the fluid and ground temperature prediction of vertical ground heat exchangers (GHEs). *Applied Energy*, **2016**, 170, 65-75 | 10.7 | 43 |
| 63 | Investigation of the ageing effect on chiller plant maximum cooling capacity using Bayesian Markov Chain Monte Carlo method. *Journal of Building Performance Simulation*, **2016**, 9, 529-541 | 2.8 | 10 |
| 62 | Development and validation of an effective and robust chiller sequence control strategy using data-driven models. *Automation in Construction*, **2016**, 65, 78-85 | 9.6 | 28 |
| 61 | Investigation on the properties of a new type of concrete blocks incorporated with PEG/SiO2 composite phase change material. *Building and Environment*, **2016**, 104, 172-177 | 6.5 | 41 |
| 60 | Robust optimal design of district cooling systems and the impacts of uncertainty and reliability. *Energy and Buildings*, **2016**, 122, 11-22 | 7 | 29 |
| 59 | An optimization strategy for the control of small capacity heat pump integrated air-conditioning system. *Energy Conversion and Management*, **2016**, 119, 1-13 | 10.6 | 22 |
| 58 | Event-driven optimization of complex HVAC systems. *Energy and Buildings*, **2016**, 133, 79-87 | 7 | 34 |
| 57 | Experimental study of a bilinear control for a GSHP integrated air-conditioning system. *Energy and Buildings*, **2016**, 133, 104-110 | 7 | 5 |

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| 56 | Wireless sensor network based monitoring system for a large-scale indoor space: data process and supply air allocation optimization. *Energy and Buildings*, **2015**, 103, 365-374 | 7 | 46 |
| 55 | Robustness analysis of chiller sequencing control. *Energy Conversion and Management*, **2015**, 103, 180-190 | 10.6 | 25 |
| 54 | Design optimization and optimal control of grid-connected and standalone nearly/net zero energy buildings. *Applied Energy*, **2015**, 155, 463-477 | 10.7 | 149 |
| 53 | A multi-criteria system design optimization for net zero energy buildings under uncertainties. *Energy and Buildings*, **2015**, 97, 196-204 | 7 | 68 |
| 52 | Space temperature control of a GSHP-integrated air-conditioning system. *Energy and Buildings*, **2015**, 108, 127-136 | 7 | 11 |
| 51 | Impacts of renewable energy system design inputs on the performance robustness of net zero energy buildings. *Energy*, **2015**, 93, 1595-1606 | 7.9 | 33 |
| 50 | Renewable energy system optimization of low/zero energy buildings using single-objective and multi-objective optimization methods. *Energy and Buildings*, **2015**, 89, 61-75 | 7 | 113 |
| 49 | The study of the dynamic load forecasting model about air-conditioning system based on the terminal user load. *Energy and Buildings*, **2015**, 94, 263-268 | 7 | 6 |
| 48 | HVAC system design under peak load prediction uncertainty using multiple-criterion decision making technique. *Energy and Buildings*, **2015**, 91, 26-36 | 7 | 67 |
| 47 | Demand-based temperature control of large-scale rooms aided by wireless sensor network: Energy saving potential analysis. *Energy and Buildings*, **2014**, 68, 532-540 | 7 | 40 |
| 46 | Stochastic chiller sequencing control. *Energy and Buildings*, **2014**, 84, 203-213 | 7 | 32 |
| 45 | A p(t)-linear average method to estimate the thermal parameters of the borehole heat exchangers for in situ thermal response test. *Applied Energy*, **2014**, 131, 211-221 | 10.7 | 41 |
| 44 | Uncertainty analysis for chiller sequencing control. *Energy and Buildings*, **2014**, 85, 187-198 | 7 | 29 |
| 43 | Generalized eigenvalue minimization for uncertain first-order plus time-delay processes. *ISA Transactions*, **2014**, 53, 141-9 | 5.5 | 2 |
| 42 | A hybrid technique to improve measurement accuracy and reliability in AC systems. *HVAC and R Research*, **2014**, 20, 581-591 | | |
| 41 | Stochastic chiller sequencing control for multiple-chiller plants **2014**, | | 2 |
| 40 | Energy performance enhancement of Hong Kong International Airport through chilled water system integration and control optimization. *Applied Thermal Engineering*, **2013**, 60, 303-315 | 5.8 | 10 |
| 39 | In situ performance comparison and evaluation of three chiller sequencing control strategies in a super high-rise building. *Energy and Buildings*, **2013**, 61, 333-343 | 7 | 28 |

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| 38 | Re-evaluation of building cooling load prediction models for use in humid subtropical area. *Energy and Buildings*, **2013**, 62, 442-449 | 7 | 45 |
| 37 | Multiplexed optimization for complex air conditioning systems. *Building and Environment*, **2013**, 65, 99-108 | 6.5 | 25 |
| 36 | Building instantaneous cooling load fused measurement: multiple-sensor-based fusion versus chiller-model-based fusion. *Building Services Engineering Research and Technology*, **2013**, 34, 177-194 | 2.3 | 1 |
| 35 | A rule augmented statistical method for air-conditioning system fault detection and diagnostics. *Energy and Buildings*, **2012**, 54, 154-159 | 7 | 16 |
| 34 | Lifetime commissioning as a tool to achieve energy-efficient solutions. *International Journal of Energy Research*, **2012**, 36, 987-999 | 4.5 | 1 |
| 33 | Fusion of redundant measurements for enhancing the reliability of total cooling load based chiller sequencing control. *Automation in Construction*, **2011**, 20, 789-798 | 9.6 | 15 |
| 32 | Model predictive control of VAV zone thermal systems concerning bi-linearity and gain nonlinearity. *Control Engineering Practice*, **2011**, 19, 700-710 | 3.9 | 54 |
| 31 | Supervisory and optimal control of central chiller plants using simplified adaptive models and genetic algorithm. *Applied Energy*, **2011**, 88, 198-211 | 10.7 | 115 |
| 30 | Data fusion heat pump performance estimation. *Energy and Buildings*, **2011**, 43, 621-630 | 7 | 7 |
| 29 | Uncertainty shift in robust predictive control design for application in CAV air-conditioning systems. *Building Services Engineering Research and Technology*, **2011**, 32, 329-343 | 2.3 | 5 |
| 28 | Robust MPC for temperature control of air-conditioning systems concerning on constraints and multitype uncertainties. *Building Services Engineering Research and Technology*, **2010**, 31, 39-55 | 2.3 | 29 |
| 27 | Model-based optimal start control strategy for multi-chiller plants in commercial buildings. *Building Services Engineering Research and Technology*, **2010**, 31, 113-129 | 2.3 | 13 |
| 26 | Online sensor fault diagnosis for robust chiller sequencing control. *International Journal of Thermal Sciences*, **2010**, 49, 589-602 | 4.1 | 21 |
| 25 | A CFD-based test method for control of indoor environment and space ventilation. *Building and Environment*, **2010**, 45, 1441-1447 | 6.5 | 42 |
| 24 | A demand limiting strategy for maximizing monthly cost savings of commercial buildings. *Energy and Buildings*, **2010**, 42, 2219-2230 | 7 | 34 |
| 23 | A robust model predictive control strategy for improving the control performance of air-conditioning systems. *Energy Conversion and Management*, **2009**, 50, 2650-2658 | 10.6 | 61 |
| 22 | An optimal control strategy for complex building central chilled water systems for practical and real-time applications. *Building and Environment*, **2009**, 44, 1188-1198 | 6.5 | 97 |
| 21 | Use of uncertainty polytope to describe constraint processes with uncertain time-delay for robust model predictive control applications. *ISA Transactions*, **2009**, 48, 503-11 | 5.5 | 21 |

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| 20 | Use of predicted information to improve the control performance of systems with uncertainties. *Journal of Process Control*, **2009**, 19, 457-463 | 3.9 | 2 |
| 19 | A data fusion scheme for building automation systems of building central chilling plants. *Automation in Construction*, **2009**, 18, 302-309 | 9.6 | 27 |
| 18 | Chiller sequencing control with enhanced robustness for energy efficient operation. *Energy and Buildings*, **2009**, 41, 1246-1255 | 7 | 41 |
| 17 | Application of two-loop robust control to air-conditioning systems. *Asian Journal of Control*, **2009**, 11, 677-687 | 1.7 | 2 |
| 16 | Two-Loop Robust Model Predictive Control for the Temperature Control of Air-Handling Units. *HVAC and R Research*, **2008**, 14, 565-580 | | 9 |
| 15 | Enhancing the Reliability of Chiller Control Using Fused Measurement of Building Cooling Load. *HVAC and R Research*, **2008**, 14, 941-958 | | 14 |
| 14 | Supervisory and Optimal Control of Building HVAC Systems: A Review. *HVAC and R Research*, **2008**, 14, 3-32 | | 261 |
| 13 | Realization of robust nonlinear model predictive control by offline optimisation. *Journal of Process Control*, **2008**, 18, 431-438 | 3.9 | 13 |
| 12 | Optimal simplified thermal models of building envelope based on frequency domain regression using genetic algorithm. *Energy and Buildings*, **2007**, 39, 525-536 | 7 | 72 |
| 11 | Parameter estimation of internal thermal mass of building dynamic models using genetic algorithm. *Energy Conversion and Management*, **2006**, 47, 1927-1941 | 10.6 | 142 |
| 10 | Simplified building model for transient thermal performance estimation using GA-based parameter identification. *International Journal of Thermal Sciences*, **2006**, 45, 419-432 | 4.1 | 194 |
| 9 | Transient heat flow calculation for multilayer constructions using a frequency-domain regression method. *Building and Environment*, **2003**, 38, 45-61 | 6.5 | 52 |
| 8 | A robust control strategy for combining DCV control with economizer control. *Energy Conversion and Management*, **2002**, 43, 2569-2588 | 10.6 | 22 |
| 7 | Transfer function model and frequency domain validation of moisture sorption in air-conditioned buildings. *Building and Environment*, **2001**, 36, 579-588 | 6.5 | 7 |
| 6 | A novel and simple building load calculation model for building and system dynamic simulation. *Applied Thermal Engineering*, **2001**, 21, 683-702 | 5.8 | 33 |
| 5 | Global decentralized robust stabilization for interconnected uncertain nonlinear systems with multiple inputs. *Automatica*, **2001**, 37, 1435-1442 | 5.7 | 15 |
| 4 | Model-based optimal control of VAV air-conditioning system using genetic algorithm. *Building and Environment*, **2000**, 35, 471-487 | 6.5 | 178 |
| 3 | Dynamic simulation of a building central chilling system and evaluation of EMCS on-line control strategies. *Building and Environment*, **1998**, 33, 1-20 | 6.5 | 92 |

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| 2 | Intelligent Buildings and Building Automation | | 33 |
| 1 | New challenges for optimal design of nearly/net zero energy buildings under post-occupancy performance-based design standards and a risk-benefit based solution. *Building Simulation*,1 | 3.9 | 1 |