Moon Keun Kim

List of Publications by Citations

36 papers	498 citations	14 h-index	21 g-index
37 ext. papers	681 ext. citations	4.8 avg, IF	4.68 L-index

#	Paper	IF	Citations
36	Predicting electricity consumption in a building using an optimized back-propagation and Levenberg Marquardt back-propagation neural network: Case study of a shopping mall in China. *Sustainable Cities and Society*, **2018**, 42, 176-183	10.1	64
35	Energy analysis of a hybrid radiant cooling system under hot and humid climates: A case study at Shanghai in China. *Building and Environment*, **2018**, 137, 208-214	6.5	36
34	Predictions of electricity consumption in a campus building using occupant rates and weather elements with sensitivity analysis: Artificial neural network vs. linear regression. *Sustainable Cities and Society*, **2020**, 62, 102385	10.1	33
33	Energy and exergy analyses of advanced decentralized ventilation system compared with centralized cooling and air ventilation systems in the hot and humid climate. *Energy and Buildings*, **2014**, 79, 212-222	7	33
32	Energy analysis of a decentralized ventilation system compared with centralized ventilation systems in European climates: Based on review of analyses. *Energy and Buildings*, **2016**, 111, 424-433	7	32
31	A Review of CFD Analysis Methods for Personalized Ventilation (PV) in Indoor Built Environments. *Sustainability*, **2019**, 11, 4166	3.6	28
30	Advanced Airbox cooling and dehumidification system connected with a chilled ceiling panel in series adapted to hot and humid climates. *Energy and Buildings*, **2014**, 85, 72-78	7	27
29	A novel ventilation strategy with CO2 capture device and energy saving in buildings. *Energy and Buildings*, **2015**, 87, 134-141	7	26
28	A case study on feasible performance of a system combining an airbox convector with a radiant panel for tropical climates. *Building and Environment*, **2014**, 82, 687-692	6.5	25
27	Evaluating and adapting low exergy systems with decentralized ventilation for tropical climates. *Energy and Buildings*, **2013**, 67, 559-567	7	25
26	Decentralized cooling and dehumidification with a 3 stage LowEx heat exchanger for free reheating. *Energy and Buildings*, **2014**, 76, 270-277	7	20
25	A comparison of the thermal comfort performances of a radiation floor cooling system when combined with a range of ventilation systems. *Indoor and Built Environment*, **2020**, 29, 527-542	1.8	18
24	Evaluation of the humidity performance of a novel radiant cooling system connected with an Airbox convector as a low exergy system adapted to hot and humid climates. *Energy and Buildings*, **2014**, 84, 224-232	7	15
23	Can increased outdoor CO2 concentrations impact on the ventilation and energy in buildings? A case study in Shanghai, China. *Atmospheric Environment*, **2019**, 210, 220-230	5.3	14
22	Numerical Simulation Modeling of a GSHP and WSHP System for an Office Building in the Hot Summer and Cold Winter Region of China: A Case Study in Suzhou. *Sustainability*, **2019**, 11, 3282	3.6	14
21	Simulation and Analysis of Perturbation and Observation-Based Self-Adaptable Step Size Maximum Power Point Tracking Strategy with Low Power Loss for Photovoltaics. *Energies*, **2019**, 12, 92	3.1	12
20	Performance Evaluation of Hybrid Radiant Cooling System Integrated with Decentralized Ventilation System in Hot and Humid Climates. *Procedia Engineering*, **2017**, 205, 1245-1252		12

19	Impact of correlation of plug load data, occupancy rates and local weather conditions on electricity consumption in a building using four back-propagation neural network models. *Sustainable Cities and Society*, **2020**, 62, 102321	10.1	10
18	Simplified Neural Network Model Design with Sensitivity Analysis and Electricity Consumption Prediction in a Commercial Building. *Energies*, **2019**, 12, 1201	3.1	8
17	Performance of novel ventilation strategy for capturing CO 2 with scheduled occupancy diversity and infiltration rate. *Building and Environment*, **2015**, 89, 318-326	6.5	8
16	Experimental study on control strategies of radiant floor cooling system with direct-ground cooling source and displacement ventilation system: A case study in an office building. *Energy*, **2022**, 239, 122410	7.9	7
15	Numerical analysis of cooling potential and indoor thermal comfort with a novel hybrid radiant cooling system in hot and humid climates. *Indoor and Built Environment*,1420326X2110408	1.8	5
14	Traffic noise level predictions for buildings with windows opened for natural ventilation in urban environments. *Science and Technology for the Built Environment*, **2017**, 23, 726-735	1.8	4
13	A Two-Dimensional Numerical Analysis for Thermal Performance of an Intermittently Operated Radiant Floor Heating System in a Transient External Climatic Condition. *Heat Transfer Engineering*, **2020**, 41, 825-839	1.7	4
12	Investigation of outdoor air pollutant, PM2.5 affecting the indoor air quality in a high-rise building. *Indoor and Built Environment*,1420326X2110382	1.8	3
11	Neural-Network-Based Building Energy Consumption Prediction with Training Data Generation. *Processes*, **2019**, 7, 731	2.9	3
10	Optimal Message Bundling with Delay and Synchronization Constraints in Wireless Sensor Networks. *Sensors*, **2019**, 19,	3.8	2
9	Comparative Modelling Analysis of Air Pollutants, PM2.5 and Energy Efficiency Using Three Ventilation Strategies in a High-Rise Building: A Case Study in Suzhou, China. *Sustainability*, **2021**, 13, 8453	3.6	2
8	Simulation and control of radiant floor cooling systems: intermittent operation and weather-forecast-based predictive controls. *IOP Conference Series: Materials Science and Engineering*, **2019**, 609, 062006	0.4	2
7	Investigation of Applicability of Impact Factors to Estimate Solar Irradiance: Comparative Analysis Using Machine Learning Algorithms. *Applied Sciences (Switzerland)*, **2021**, 11, 8533	2.6	2
6	Developing a collaborative control strategy of a combined radiant floor cooling and ventilation system: A PMV-based model. *Journal of Building Engineering*, **2022**, 104648	5.2	2
5	Experimental and Numerical Study of an Active Solar Heating System with Soil Heat Storage for Greenhouses in Cold Climate Zones. *Buildings*, **2022**, 12, 405	3.2	1
4	Optimal Design Strategy of a Solar Reflector Combining Photovoltaic Panels to Improve Electricity Output: A Case Study in Calgary, Canada. *Sustainability*, **2021**, 13, 6115	3.6	0
3	A review of human thermal plume and its influence on the inhalation exposure to particulate matter. *Indoor and Built Environment*,1420326X2210803	1.8	0
2	Experimental Investigation on Thermal Comfort of COVID-19 Nucleic Acid Sampling Staff in Hot and Humid Environment: A Pilot Study of University Students. *Applied Sciences (Switzerland)*, **2021**, 11, 11492	2.6	0

1	Prediction and Correlation Analysis of Ventilation Performance in a Residential Building Using Artificial Neural Network Models Based on Data-Driven Analysis. *Sustainable Cities and Society*, **2022**, 103981	10.1	0