Siew Eang Lee

List of Publications by Citations

18 papers	1,643 citations	14 h-index	18 g-index
18 ext. papers	2,010 ext. citations	7 avg, IF	5.09 L-index

#	Paper	IF	Citations
18	Applying support vector machines to predict building energy consumption in tropical region. *Energy and Buildings*, **2005**, 37, 545-553	7	486
17	A review on time series forecasting techniques for building energy consumption. *Renewable and Sustainable Energy Reviews*, **2017**, 74, 902-924	16.2	372
16	Time series forecasting for building energy consumption using weighted Support Vector Regression with differential evolution optimization technique. *Energy and Buildings*, **2016**, 126, 94-103	7	146
15	Review of occupancy sensing systems and occupancy modeling methodologies for the application in institutional buildings. *Energy and Buildings*, **2016**, 121, 344-349	7	133
14	k-Shape clustering algorithm for building energy usage patterns analysis and forecasting model accuracy improvement. *Energy and Buildings*, **2017**, 146, 27-37	7	95
13	Green and cool roofs□urban heat island mitigation potential in tropical climate. *Solar Energy*, **2018**, 173, 597-609	6.8	90
12	Determining key variables influencing energy consumption in office buildings through cluster analysis of pre- and post-retrofit building data. *Energy and Buildings*, **2018**, 159, 228-245	7	60
11	Building energy efficiency labeling programme in Singapore. *Energy Policy*, **2008**, 36, 3982-3992	7.2	45
10	A holistic utility bill analysis method for baselining whole commercial building energy consumption in Singapore. *Energy and Buildings*, **2005**, 37, 167-174	7	40
9	Using artificial neural networks to assess HVAC related energy saving in retrofitted office buildings. *Solar Energy*, **2018**, 163, 32-44	6.8	38
8	Predicting the CO2 levels in buildings using deterministic and identified models. *Energy and Buildings*, **2016**, 127, 774-785	7	35
7	Energy performance model development and occupancy number identification of institutional buildings. *Energy and Buildings*, **2016**, 123, 192-204	7	28
6	Comparison of different occupancy counting methods for single system-single zone applications. *Energy and Buildings*, **2018**, 172, 221-234	7	21
5	Anthropogenic heat reduction through retrofitting strategies of campus buildings. *Energy and Buildings*, **2017**, 152, 813-822	7	16
4	Building Energy Consumption Raw Data Forecasting Using Data Cleaning and Deep Recurrent Neural Networks. *Buildings*, **2019**, 9, 204	3.2	14
3	A decision tool to balance indoor air quality and energy consumption: A case study. *Energy and Buildings*, **2018**, 165, 246-258	7	13
2	Model Development and Comparison for the Evaluation of the Energy Performance of Three Tertiary Institutional Buildings in Singapore. *Procedia Engineering*, **2015**, 121, 1133-1143		7

1 Energy utilizability concept as a retrofitting solution selection criterion for buildings. *Journal of Civil Engineering and Management*, **2017**, 23, 541-552 3 4