Weiqiang Kong

List of Publications by Year in Descending Order

18 papers	298 citations	10 h-index	17 g-index
18 ext. papers	374 ext. citations	6.2 avg, IF	3.28 L-index

#	Paper	IF	Citations
18	Investigation on an air solar-driven open sorption system for comfort cooling. *Solar Energy*, **2022**, 231, 57-71	6.8	0
17	Matching-design for inverter air-source heat pump system based on heating load characteristics of civil buildings. *Energy and Buildings*, **2022**, 260, 111952	7	0
16	Experimental and numerical study of a latent heat storage using sodium acetate trihydrate for short and long term applications. *Journal of Energy Storage*, **2021**, 103588	7.8	0
15	Review on sodium acetate trihydrate in flexible thermal energy storages: Properties, challenges and applications. *Journal of Energy Storage*, **2021**, 40, 102780	7.8	5
14	Numerical investigations of long-term thermal performance of a large water pit heat storage. *Solar Energy*, **2021**, 224, 808-822	6.8	2
13	Demonstration of a solar combi-system utilizing stable supercooling of sodium acetate trihydrate for heat storage. *Applied Thermal Engineering*, **2020**, 166, 114647	5.8	14
12	Experimental investigations on phase separation for different heights of sodium acetate water mixtures under different conditions. *Applied Thermal Engineering*, **2019**, 148, 796-805	5.8	8
11	Test method for evaluating and predicting thermal performance of thermosyphon solar domestic hot water system. *Applied Thermal Engineering*, **2019**, 146, 12-20	5.8	6
10	Experimental investigations on cylindrical latent heat storage units with sodium acetate trihydrate composites utilizing supercooling. *Applied Energy*, **2016**, 177, 591-601	10.7	39
9	Experimental investigations on prototype heat storage units utilizing stable supercooling of sodium acetate trihydrate mixtures. *Applied Energy*, **2016**, 169, 72-80	10.7	51
8	Experimental investigations on heat content of supercooled sodium acetate trihydrate by a simple heat loss method. *Solar Energy*, **2016**, 139, 249-257	6.8	30
7	Testing of PCM Heat Storage Modules with Solar Collectors as Heat Source. *Energy Procedia*, **2016**, 91, 138-144	2.3	10
6	A new Laplace transformation method for dynamic testing of solar collectors. *Renewable Energy*, **2015**, 75, 448-458	8.1	18
5	Thermal Conductivity Enhancement of Sodium Acetate Trihydrate by Adding Graphite Powder and the Effect on Stability of Supercooling. *Energy Procedia*, **2015**, 70, 249-256	2.3	36
4	Laboratory Test of a Prototype Heat Storage Module Based on Stable Supercooling of Sodium Acetate Trihydrate. *Energy Procedia*, **2015**, 70, 172-181	2.3	17
3	Theoretical analysis and experimental verification of a new dynamic test method for solar collectors. *Solar Energy*, **2012**, 86, 398-406	6.8	24
2	An improved dynamic test method for solar collectors. *Solar Energy*, **2012**, 86, 1838-1848	6.8	28

1	Investigation of Thermal Performance of Flat Plate and Evacuated Tubular Solar Collectors According to a New Dynamic Test Method. *Energy Procedia*, **2012**, 30, 152-161	2.3	10