

# Weiqliang Kong

## List of Publications by Year in descending order

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18  
papers

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citations

758635

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#	ARTICLE	IF	CITATIONS
1	Experimental investigations on prototype heat storage units utilizing stable supercooling of sodium acetate trihydrate mixtures. <i>Applied Energy</i> , 2016, 169, 72-80.	5.1	66
2	Experimental investigations on cylindrical latent heat storage units with sodium acetate trihydrate composites utilizing supercooling. <i>Applied Energy</i> , 2016, 177, 591-601.	5.1	56
3	Thermal Conductivity Enhancement of Sodium Acetate Trihydrate by Adding Graphite Powder and the Effect on Stability of Supercooling. <i>Energy Procedia</i> , 2015, 70, 249-256.	1.8	46
4	Experimental investigations on heat content of supercooled sodium acetate trihydrate by a simple heat loss method. <i>Solar Energy</i> , 2016, 139, 249-257.	2.9	42
5	An improved dynamic test method for solar collectors. <i>Solar Energy</i> , 2012, 86, 1838-1848.	2.9	30
6	Theoretical analysis and experimental verification of a new dynamic test method for solar collectors. <i>Solar Energy</i> , 2012, 86, 398-406.	2.9	26
7	Review on sodium acetate trihydrate in flexible thermal energy storages: Properties, challenges and applications. <i>Journal of Energy Storage</i> , 2021, 40, 102780.	3.9	25
8	Demonstration of a solar combi-system utilizing stable supercooling of sodium acetate trihydrate for heat storage. <i>Applied Thermal Engineering</i> , 2020, 166, 114647.	3.0	23
9	Laboratory Test of a Prototype Heat Storage Module Based on Stable Supercooling of Sodium Acetate Trihydrate. <i>Energy Procedia</i> , 2015, 70, 172-181.	1.8	22
10	A new Laplace transformation method for dynamic testing of solar collectors. <i>Renewable Energy</i> , 2015, 75, 448-458.	4.3	22
11	Test method for evaluating and predicting thermal performance of thermosyphon solar domestic hot water system. <i>Applied Thermal Engineering</i> , 2019, 146, 12-20.	3.0	14
12	Numerical investigations of long-term thermal performance of a large water pit heat storage. <i>Solar Energy</i> , 2021, 224, 808-822.	2.9	14
13	Experimental investigations on phase separation for different heights of sodium acetate water mixtures under different conditions. <i>Applied Thermal Engineering</i> , 2019, 148, 796-805.	3.0	12
14	Testing of PCM Heat Storage Modules with Solar Collectors as Heat Source. <i>Energy Procedia</i> , 2016, 91, 138-144.	1.8	11
15	Investigation of Thermal Performance of Flat Plate and Evacuated Tubular Solar Collectors According to a New Dynamic Test Method. <i>Energy Procedia</i> , 2012, 30, 152-161.	1.8	10
16	Experimental and numerical study of a latent heat storage using sodium acetate trihydrate for short and long term applications. <i>Journal of Energy Storage</i> , 2022, 47, 103588.	3.9	10
17	Matching-design for inverter air-source heat pump system based on heating load characteristics of civil buildings. <i>Energy and Buildings</i> , 2022, 260, 111952.	3.1	4
18	Investigation on an air solar-driven open sorption system for comfort cooling. <i>Solar Energy</i> , 2022, 231, 57-71.	2.9	2