Huang, Junpeng; Tian, Zhiyong; Fan, Jianhua. / A comprehensive analysis on development and transition of the solar thermal market in China with more than 70% market share worldwide. In: Energy. 2019; Vol. 174. pp. 611-624.


Huang, Junpeng; Fan, Jianhua; Furbo, Simon; Chen, Daochuan; Dai, Yanjun; Kong, Weiqiang. / Economic analysis and optimization of combined solar district heating technologies and systems. In: Energy. 2019; Vol. 186.

Huang, Junpeng; Fan, Jianhua; Furbo, Simon; Chen, Daochuan; Dai, Yanjun; Kong, Weiqiang. / Economic analysis and optimization of household solar heating technologies and systems. In: Sustainable Energy Technologies and Assessments. 2019; Vol. 36.

Kong, Weiqiang; Dannemand, Mark; Berg, Jakob Brinkø; Fan, Jianhua; Englmair, Gerald; Dragsted, Janne; Furbo, Simon. / Experimental investigations on phase separation for different heights of sodium acetate water mixtures under different conditions. In: Applied Thermal Engineering. 2019; Vol. 148. pp. 796-805.

Huang, Junpeng; Fan, Jianhua; Furbo, Simon. / Feasibility study on solar district heating in China. In: Renewable and Sustainable Energy Reviews. 2019; Vol. 108. pp. 53-64.

Tian, Zhiyong; Zhang, Shicong; Deng, Jie; Fan, Jianhua; Huang, Junpeng; Kong, Weiqiang; Perers, Bengt; Furbo, Simon. / Large-scale solar district heating plants in Danish smart thermal grid: Developments and recent trends. In: Energy Conversion and Management. 2019; Vol. 189. pp. 67-80.


Huang, Junpeng; Fan, Jianhua; Furbo, Simon; Li, Liqun. / Solar water heating systems applied to highrise buildings - lessons from experiences in China. In: Energies. 2019; Vol. 12, No. 16.


Tian, Zhiyong; Perers, Bengt; Furbo, Simon; Fan, Jianhua; Deng, Jie; Dragsted, Janne. / A comprehensive approach for modelling horizontal diffuse radiation, direct normal irradiance and total tilted solar radiation based on global radiation under Danish climate conditions. In: Energies. 2018; Vol. 11, No. 5.


Englmair, Gerald; Moser, Christoph; Furbo, Simon; Schranzhofer, Hermann; Fan, Jianhua. / Combined short- and long-term heat storage with Sodium Acetate Trihydrate for solar heat supply in buildings. Poster session presented at International Sustainable Energy Conference 2018, Graz, Austria.

Englmair, Gerald; Moser, Christoph; Furbo, Simon; Schranzhofer, Hermann; Fan, Jianhua. / Combined short- and long-term heat storage with Sodium Acetate Trihydrate for solar heat supply in buildings. Abstract from International Sustainable Energy Conference 2018, Graz, Austria.
Englmair, Gerald; Dannemand, Mark; Furbo, Simon; Fan, Jianhua. / Combined short and long term heat storage with Sodium Acetat Trihydrate in cylindrical tanks. Abstract from EuroSun 2018, Switzerland.

Englmair, Gerald; Jiang, Yiliang; Dannemand, Mark; Moser, Christoph; Schranzhofer, Hermann; Furbo, Simon; Fan, Jianhua. / Crystallization by local cooling of supercooled sodium acetate trihydrate composites for long-term heat storage. In: Energy and Buildings. 2018; Vol. 180. pp. 159-171.


Tian, Zhiyong; Perers, Bengt; Furbo, Simon; Fan, Jianhua; Zourellis, Andreas. / Long term measured and simulated performance of a combined solar district heating plant with flat plate collectors and parabolic trough collectors in series. Abstract from 5th International Solar District Heating Conference, Graz, Austria. 2 p.

Lacarte, Luis Marcos Domínguez; Fan, Jianhua. / Modelling of a thermally activated building system (TABS) combined with free-hanging acoustic ceiling units using computational fluid dynamics (CFD). In: Building Simulation. 2018; Vol. 11, No. 2. pp. 315-324.


Fan, Jianhua; Furbo, Simon; Wang, Zhifeng; Englmair, Gerald. / Long-term PCM heat storage for a solar space heating and domestic hot water combisystem. Poster session presented at Workshop on System Integration of Renewables and the Future Grid, Beijing, China.


Deng, Jie; Tian, Zhiyong; Fan, Jianhua; Yang, Ming; Furbo, Simon; Wang, Zhifeng. / Simulation and optimization study on a solar space heating system combined with a low temperature ASHP for single family rural residential houses in Beijing. In: Energy and Buildings. 2016; Vol. 126. pp. 2-13.


Deng, Jie; Yang, Ming; Ma, Rongjiang; Zhu, Xiaolin; Fan, Jianhua; Yuan, Guofeng; Wang, Zhifeng. / Validation of a simple dynamic thermal performance characterization model based on the piston flow concept for flat-plate solar collectors. In: Solar Energy. 2016; Vol. 139. pp. 171-178.


Kong, Weiqiang; Han, Jiangong; Perers, Bengt; Furbo, Simon; Fan, Jianhua. / Side by side tests of two SDHW systems with solar collectors with and without antireflection treatment. In: Energy Procedia. 2015; Vol. 70. pp. 462-469.

Furbo, Simon; Fan, Jianhua; Perers, Bengt; Kong, Weiqiang; Trier, Daniel; From, Niels. / Testing, development and demonstration of large scale solar district heating systems. In: Energy Procedia. 2015; Vol. 70. pp. 568-573.


Furbo, Simon; Dannemand, Mark; Perers, Bengt; Andersen, Elsa; Fan, Jianhua; Bacher, Peder; Madsen, Henrik; Halvgard, Rasmus; Nielsen, Henrik Aalborg; Pagh Nielsen, Kristian; Lundholm, Sisse Camilla; Hansen Sass, Bent; Engberg Pedersen, Thomas; Nyman Rud, Jakob; Harley Hansen, Kristian. / Solar/electric heating systems for the future energy system. Technical University of Denmark, Department of Civil Engineering, 2013. 617 p. (DTU Civil Engineering Reports; No. R-288).


Furbo, Simon ; Fan, Jianhua. / **Heat storage based on a NaCH₃COO water mixture for solar heating systems.** Technical University of Denmark, Department of Civil Engineering, 2012. 68 p. (DTU Civil Engineering Reports; No. SR-12-10).

Kong, Weiqiang ; Wang, Zhifeng ; Fan, Jianhua ; Perers, Bengt ; Chen, Ziqian ; Furbo, Simon ; Andersen, Elsa ; Andreas Haberle. / **Investigation of Thermal Performance of Flat Plate and Evacuated Tubular Solar Collectors According to a New Dynamic Test Method.** In: Energy Procedia. 2012 ; Vol. 30. pp. 152-161.

Fan, Jianhua ; Furbo, Simon ; Andersen, Elsa ; Chen, Ziqian ; Perers, Bengt; Dannemand, Mark. / **Thermal behavior of a heat exchanger module for seasonal heat storage.** In: Energy Procedia. 2012 ; Vol. 30. pp. 244-254.

Furbo, Simon ; Andersen, Elsa ; Fan, Jianhua ; Chen, Ziqian ; Perers, Bengt. / **Thermal performance of marketed SDHW systems under laboratory conditions.** Paper presented at Eurosun 2012, Rijeka, Croatia. 8 p.


Furbo, Simon ; Fan, Jianhua ; Andersen, Elsa ; Perers, Bengt. / **Energy savings for solar heating systems in one family houses.** ISES Solar World Congress 2011 Proceedings. 2011.

Furbo, Simon ; Dragsted, Janne ; Fan, Jianhua ; Andersen, Elsa ; Perers, Bengt. / **Experimental studies on seasonal heat storage based on stable supercooling of a sodium acetate water mixture.** ISES Solar World Congress 2011 Proceedings. 2011.

Fan, Jianhua ; Furbo, Simon ; Chen, Ziqian ; Andersen, Elsa ; Perers, Bengt. / **Heat transfer capacity of a heat exchanger module for seasonal heat storage.** ISES Solar World Congress 2011 Proceedings. 2011.

Perers, Bengt ; Furbo, Simon ; Fan, Jianhua ; Andersen, Elsa ; Chen, Ziqian. / **Solar combisystems with forecast control to increase the solar fraction and lower the auxiliary energy cost.** ISES Solar World Congress 2011 Proceedings. 2011.

Furbo, Simon ; Fan, Jianhua. / **Solvarmeanlæggs energibesparelses.** Kgs. Lyngby : DTU Byg, Danmarks Tekniske Universitet, 2011. 20 p. (B Y G D T U. Rapport; No. R-238(DK)).

Chen, Ziqian ; Furbo, Simon ; Fan, Jianhua ; Andersen, Elsa ; Perers, Bengt. / **Study on a tracking solar collector.** Proceedings of the ISES Solar World Congress 2011. 2011.

Yazdanshenas, Eshagh ; Furbo, Simon ; Fan, Jianhua. / **CFD calculations and PIV measurements on tank-in-tank heat storage.** EuroSun 2010 Congress Proceedings. 2010.

Fan, Jianhua ; Andersen, Elsa ; Furbo, Simon ; Perers, Bengt. / **DETAILED MODELLING OF CHARGING BEHAVIOUR OF SMART SOLAR TANKS.** Poster session presented at International Conference on Solar Heating, Cooling and Buildings, Graz, Austria.


Furbo, Simon ; Fan, Jianhua. / **Investigations on small low flow SDHW systems with different solar pumps and solar collector loops.** Department of Civil Engineering, Technical University of Denmark, 2010. (Uden navn; No. SR-10-05).

Perers, Bengt ; Furbo, Simon ; Andersen, Elsa ; Fan, Jianhua. / **Solar Electric heating systems using smart solar tanks and variable electricity costs.** Eurosun 2010. 2010.
Andersen, Elsa ; Dragsted, Janne ; Furbo, Simon ; Perers, Bengt ; Fan, Jianhua. / Thermal advantage of tracking solar collectors under Danish weather conditions. Thermal advantage of tracking solar collectors under Danish weather conditions. Graz, Austria, 2010.

Furbo, Simon ; Dragsted, Janne ; Chen, Ziqian ; Fan, Jianhua ; Andersen, Elsa ; Perers, Bengt. / Towards seasonal heat storage based on stable super cooling of sodium acetate trihydrate. EuroSun 2010 Congress Proceedings. 2010.


Fan, Jianhua (Author) ; Chen, Ziqian (Author) ; Furbo, Simon (Author) ; Perers, Bengt (Author) ; Karlsson, Björn (Author). / EFFICIENCY AND LIFETIME OF SOLAR COLLECTORS FOR SOLAR HEATING PLANTS. [Sound/Visual production (digital)].


Furbo, Simon ; Chen, Ziqian ; Fan, Jianhua ; Schultz, Jørgen Munthe. / Solar transmittances for glass covers with and without antireflection treatment under real climatic conditions. ISES Solar World Congress 2009 Proceedings. 2009.

Fan, Jianhua (Author) ; Furbo, Simon (Author). / Thermal stratification in a hot water tank established by heat loss from the tank. [Sound/Visual production (digital)].


Dragsted, Janne ; Furbo, Simon ; Fan, Jianhua. / Solar heating systems in the Arctic. Bæredygtig energiforsyning i Arktis: Sol, vind, vand mm.. 2008.

Fan, Jianhua ; Furbo, Simon ; Svendsen, Svend. / TRNSYS simulation of the consumer unit for low energy district heating net. Technical University of Denmark, 2008. (BYG Sagsrapport; No. SR 08-03).


Fan, Jianhua ; Furbo, Simon. / Forbedret varmtvandsbeholder til små solvarmeanlæg til brugsvarmevarmning. 2007. (BYG Sagsrapport; No. SR 07-05).


Furbo, Simon ; Fan, Jianhua. / Investigation on test method for a flat plate collector. 2007. (NEGST report).


Rode, Carsten ; Borchersen, Egil ; Fan, Jianhua ; Furbo, Simon ; Kragh, Jesper. / Lavenerghuset i Sisimiut : Årsrapport for Lavenerghusets ydeevne juli 2006 til juni 2007. 2007. (BYG Sagsrapport; No. SR 07-10).


Fan, Jianhua ; Furbo, Simon. / Optimering og afprøvning af solfanger til solvarmeanlæger. 2007. (BYG Sagsrapport; No. SR 07-07).


Fan, Jianhua; Shah, Louise Jivan; Furbo, Simon. / Bæredygtigt arktisk byggeri i det 21. Århundrede - vakuumrørsolfangere : Statusrapport 3 til Villum Kann Rasmussen Fonden. 2006. (BYG Sagsrapport; No. SR 06-02).

Fan, Jianhua; Furbo, Simon; Andersen, Janne; Jørgensen, Rikke; Shah, Louise Jivan. / Bæredygtigt arktisk byggeri i det 21. Århundrede - vakuumrørsolfangere : Slutrapport til Villum Kann Rasmussen Fonden. DTU Byg, Danmarks Tekniske Universitet, 2006. 271 p. (BYG Sagsrapport; No. SR 06-10).


Rode, Carsten; Borchersen, Egil; Fan, Jianhua; Furbo, Simon; Kragh, Jesper. / Lavenerghuset i Sisimiut. Notat om aktiviteter udført som led i KVUG-projekt: Indlejring af erfaringer fra lavenerghus i Sisimiut. DTU Byg, Danmarks Tekniske Universitet, 2006. (Sagsrapport; No. SR 06-13).


Rao, Qi; Fan, Jianhua; Wang, Yundong; Fei, Weiyang. / A DPIV MEASUREMENT AND CFD SIMULATION OF VISCOUS FLUID FLOW IN A STIRRED TANK AGITATED BY A RUSHTON TURBINE. In: Journal of Chemical Industry and Engineering. 2004 ; Vol. 55, No. 8. pp. 1374-1379.


Fan, Jianhua; Wang, Yundong; Fei, Weiyang. / LARGE EDDY SIMULATIONS OF THE TURBULENT FLOW IN A STIRRED TANK. Abstract from 2005 International Solvent Extraction Conference, Beijing, P. R., China.


Fan, Jianhua; Schultz, Jørgen Munthe; Furbo, Simon. / Undersøgelse af HT solfangere med og uden teflonfolie. 2004.