

# Solar thermal power generation Kong Lingbin



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### Solar Thermal Power Generation

Solar thermal power plants are composed of three processes: collection and conversion of solar radiation into heat, conversion of heat to electricity, and thermal energy storage to mitigate the ...

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### Solar Thermal Power Generation Technology

Articles may describe innovative concepts, numerical simulations, experimental studies, or reviews of state-of-the-art solar thermal power generation technology.



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### Lingbin Kong

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## Analysis on Application Prospect of Heat Storage Solar Stirling ...

This power conversion unit adopts invention patents authorized in China in recent years to apply to dish solar Stirling thermal power system, and it will be sure to become a principal part of future energy ...



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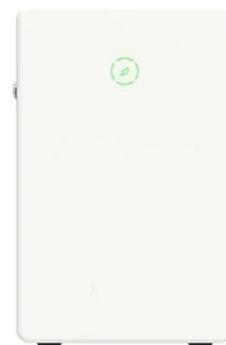
Z Xiao, LB Kong, S Ruan, X Li, S Yu, X Li, Y Jiang, Z Yao, S Ye, C Wang,

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## Solar Thermal Power Generation , Springer Nature Link

Solar thermal power generation requires high temperature, which needs the concentration of solar radiation. To compare the different solar thermal power generation systems, some key ...



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### Lingbin Kong , ScienceDirect

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## A System Dynamics Model for Solar Thermal Power

Development of solar thermal power generation is important for China's energy transition. Therefore, we established a system dynamics model to predict the development trend of solar thermal power ...



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**Lingbin KONG , PhD ,  
Zhengzhou University,  
Zhengzhou , zzu**

In this study, meteorological parameters, including surface temperature ( $T_2$ ), solar radiation (SW), and wind speed (WS), were classified into two aspects, (1) Photochemical Reaction Condition

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**Research on LOCE optimization of solar thermal power generation ...**

Solar thermal power generation with heat storage is irreplaceable because of its stable power output, but its high initial investment costs affect large-scale development. This paper ...

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