A Big Earth Data Platform for Three Poles

**1-km monthly mean temperature dataset for china (1901-2021)**

1、Description

2、Keywords

Theme：Temperature,Mean temperature  
Discipline：Atmosphere  
Places：China  
Time：1901-2021

3、Data details

1.Scale：None

2.Projection：WGS84

3.Filesize：94515.0MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：55.558794390126 | - |
| west：72.1960450229045 | - | east：136.196045022846 |
| - | south：16.2504610568287 | - |

5、Time frame:None--None

6、Reference method

References to data:

PENG Shouzhang. 1-km monthly mean temperature dataset for china (1901-2021). A Big Earth Data Platform for Three Poles, doi:10.11888/Meteoro.tpdc.2709612019

References to articles:

Peng, S. Z, Gang, C. , Cao, Y. , & Chen, Y. . (2017). Assessment of climate change trends over the loess plateau in china from 1901 to 2100. International Journal of Climatology.  
  
Ding, Y.X., & Peng, S.Z. (2020). Spatiotemporal trends and attribution of drought across China from 1901–2100. Sustainability, 12(2), 477.  
  
Peng, S.Z., Ding, Y.X., Liu, W.Z., & Li, Z. (2019). 1 km monthly temperature and precipitation dataset for China from 1901 to 2017. Earth System Science Data, 11, 1931–1946. https://doi.org/10.5194/essd-11-1931-2019  
  
Peng, S.Z., Ding, Y.X., Wen, Z.M., Chen, Y.M., Cao, Y., & Ren, J.Y. (2017). Spatiotemporal change and trend analysis of potential evapotranspiration over the Loess Plateau of China during 2011-2100. Agricultural and Forest Meteorology, 233, 183-194. https://doi.org/10.1016/j.agrformet.2016.11.129

7、Supporting project information

8、Data resource provider

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