

Accepted Manuscript

Research papers

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PII: S0022-1694(18)30226-9

DOI: <https://doi.org/10.1016/j.jhydrol.2018.03.054>

Reference: HYDROL 22687

To appear in: *Journal of Hydrology*

Received Date: 6 November 2017

Revised Date: 3 February 2018

Accepted Date: 20 March 2018



Please cite this article as: Chang, Y., Qin, D., Ding, Y., Zhao, Q., Zhang, S., A Modified MOD16 Algorithm to Estimate Evapotranspiration over Alpine Meadow on the Tibetan Plateau, China, *Journal of Hydrology* (2018), doi: <https://doi.org/10.1016/j.jhydrol.2018.03.054>

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**A Modified MOD16 Algorithm to Estimate Evapotranspiration over Alpine Meadow on the
Tibetan Plateau, China**

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Highlights:

- Five precious representative alpine meadow sites on the Tibetan Plateau were used to evaluate the modified MOD16 algorithm.
- A modified MOD16 algorithm was proposed to improve the accuracy of ET estimation.
- A modular analysis was performed for understanding the relative importance of each part of the modified MOD16 algorithm.

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