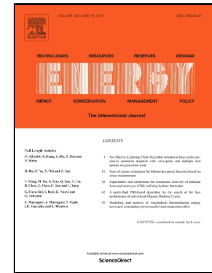


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Experimental research on the convection heat transfer characteristics of distilled water in manmade smooth and rough rock fractures

Zheng-Wei Li, Xia-Ting Feng, Yan-Jun Zhang, Chi Zhang, Tian-Fu Xu, Yun-Sen Wang



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1 **Title page**

2 **Title:**

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20 **Key words:** Convection heat transfer; Rock fracture; Surface roughness; Heat  
21 transfer correlation; Local heat transfer intensity

22

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