

# Study of composite coal-water fuel rheological properties

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## Abstract

© Published under licence by IOP Publishing Ltd. The rheological characteristics of composite water-coal fuel, as well as the possibility of reducing the viscosity of composite water-coal fuel due to the use of nanomaterials, are studied. Improved rheological properties of composite fuel containing small additions of these substances: carbon nanomaterial at a concentration of 0.005 wt. % or 0.3 wt. % of the dehydrated carbonate slurry. Possible mechanisms for changing the viscosity properties of fuel are considered.

<http://dx.doi.org/10.1088/1757-899X/412/1/012082>

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