

Holzforschung Wood  
Science and Technology Journal of Materials Chemistry A

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Holzforschung Wood Science and Technology Journal of  
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It is a quantitative technique

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Guo *et al.* proposed that absorbed water within wood could also exist in three states based on the mobility of their molecules studied by Micro-FTIR: strongly bonded, moderately bonded, and weakly bonded to hydrogen

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Guo and co-workers investigated the adsorption of water molecules by polar groups present in commercial alkali lignin (Sigma Aldrich) using micro-FTIR spectroscopy during a water sorption cycle, recognizing carbonyl and hydroxyl groups as water sorption sites and describing the molecular association of adsorbed water with lignin.

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