Synthesis of novel branched polymers for enhanced oil recovery
van Mastrigt, Frank

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Curriculum vitae

Journal publications


• M. Polhuis, F. van Mastrigt, F. Asdarci, P. Nommensen. A single mechanism to explain the effects of hydrophilic starch derivatives on cement suspension rheology, submitted to Cement and Concrete Research, 2017.


Book chapters


International conference presentations


Poster presentations

F. van Mastrigt, B. Klemm, A.A. Broekhuis, F. Picchioni. *Increasing Oil Recovery by Introducing Branching*, 2016, DPI annual meeting, awarded 1st poster prize.

