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Title: Correlation between flocculation and adsorption of cationic polyacrylamides on precipitated calcium carbonate

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1 **Correlation between flocculation and adsorption of cationic**
2 **polyacrylamides on precipitated calcium carbonate**

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12 Highlights

- 13 • Influence of C-PAM characteristics on adsorption on PCC particles was
14 evaluated
- 15 • The Langmuir isotherm model describes well the experimental adsorption
16 results
- 17 • Correlation between adsorption and kinetics of the 1st flocculation stage was
18 found
- 19 • Floc structure correlates with maximum amount of C-PAM adsorbed on
20 particles surface
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