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Title: Phosphonated nanocelluloses from sequential oxidative-reductive treatment – physicochemical characteristics and thermal properties

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- >Phosphonated nanocelluloses were obtained by a sequential oxidative-reductive treatment
- >A low oxidation degree resulted in the production of long nanofibrillated cellulose
- >A higher oxidation degree produced short nanocrystalline cellulose
- >High charring properties were obtained even with a low degree of substitution

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