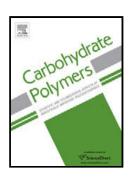
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## ACCEPTED MANUSCRIPT

#### 1 A review on engineering of cellulosic cigarette paper to reduce carbon monoxide

#### 2 delivery of cigarettes

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#### 11 ABSTRACT

12 In cigarette production, the cellulosic paper essentially derived from flax fibers or other fiber materials is used as the wrapping material. During smoking of cigarettes, 13 the highly toxic carbon monoxide is produced. To decrease the amount of carbon 14 15 monoxide emission in the mainstream smoke, the engineering of all cigarette 16 components including cellulosic cigarette paper and tobacco column is critical. This 17 review summarizes the concepts related to engineering of cigarette paper. These mainly include permeability control, increased use of burn additives, optimization of 18 fiber basis weight, engineering of calcium carbonate fillers, incorporation of 19

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