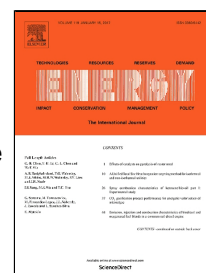


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A novel and efficient bioprocess from steam exploded corn stover to ethanol in the context of on-site cellulase production

Chen Zhao, Zongsheng Zou, Jisheng Li, Honglei Jia, Johannes Liesche, Hao Fang, Shaolin Chen



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- A novel and efficient bioprocess from SECS to ethanol was successfully established.
- On-site cellulase production was done by the mixed culture of *T. reesei* and *A. niger*.
- *S. cerevisiae* was the most robust in the fermentation of SECS enzymatic hydrolysate.
- The adapted *P. stipitis* was the most robust in fermenting the distillation residue.
- Xylose-fermenting *S. cerevisiae* was constructed and *P. stipitis* was adapted.

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