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Author: Inn Shi Tan Keat Teong Lee



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1 **Solid acid catalysts pretreatment and enzymatic hydrolysis of macroalgae cellulosic**  
2 **residue for the production of bioethanol**

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4 Inn Shi Tan, Keat Teong Lee\*

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7 School of Chemical Engineering, Universiti Sains Malaysia, Engineering Campus,

8 Seri Ampangan, 14300 Nibong Tebal, Pulau Pinang, Malaysia

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11 \* Corresponding author.

12 Tel.: +604-5996467; Fax: +604-5941013.

13 E-mail address: ktle@usm.my

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