

Supplementary Material

Ex-situ catalytic fast pyrolysis of soy sauce residue with HZSM-5 for co-production of aromatic hydrocarbons and supercapacitor

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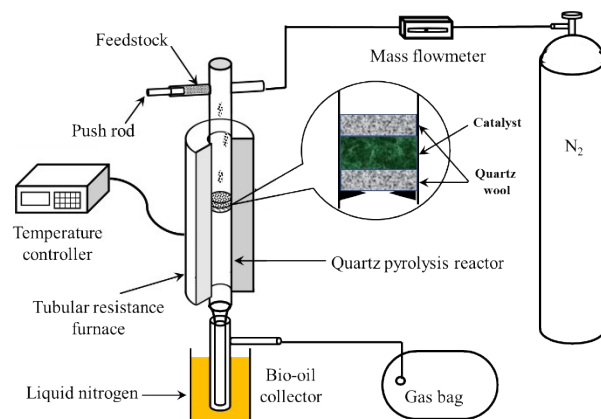


Fig. S1. Lab-scale experimental device.

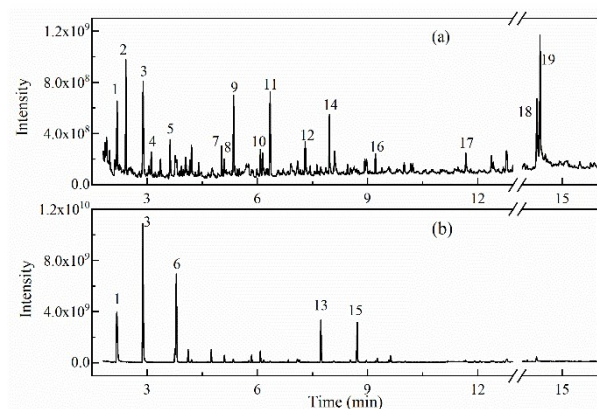


Fig. S2. Typical ion chromatograms of SSR with HZ-to-SSR ratio of 0 (a) and 11(b) at 650°C.

- 1.benezene; 2. hydroxyacetone; 3. toluene; 4. pyrrole; 5. methyl pyruvate; 6. p-xylene; 7. cyclooctane-1,2-dione; 8. 2-hexanol; 9. phenol; 10. methylcyclopentenolone; 11. p-cresol; 12. 4-ethylphenol; 13. naphthalene; 14. styrene; 15. methylnaphthalene; 16. indole; 17. levoglucosan; 18. oleic acid; 19. linoleic acid