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Alkali metal bifunctional catalyst-sorbents enabled biomass pyrolysis for enhanced hydrogen production

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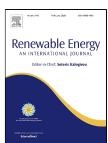
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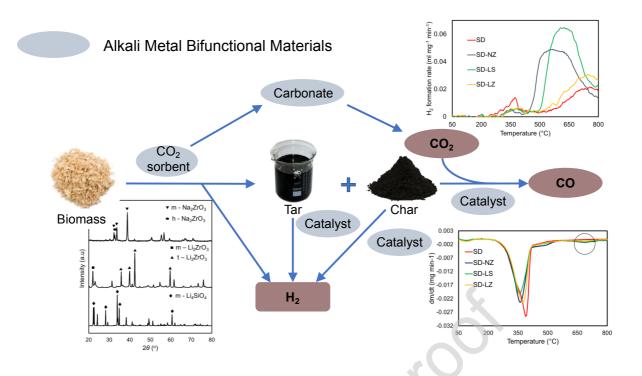
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