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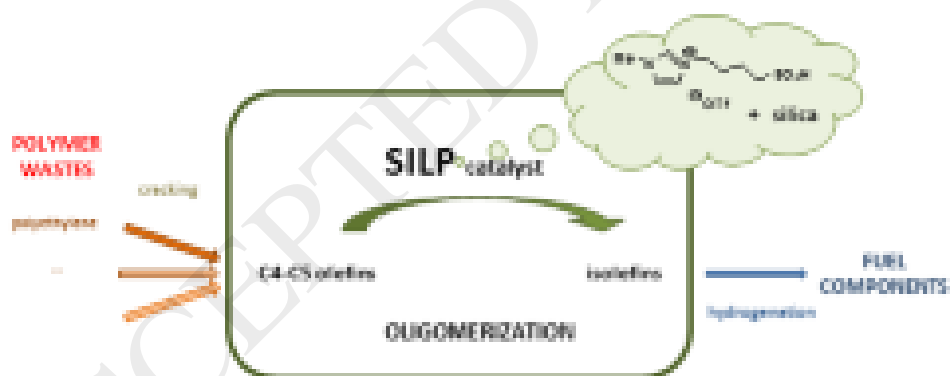
Oligomerization of light olefins in the presence of a supported Brønsted acidic ionic liquid catalyst

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Graphical abstract



Highlights

- Use of an acidic SILP catalyst for oligomerization of olefins and olefin mixtures > Starting material models a fraction of waste polyethylene cracking products > Main products are isoolefins useful as fuel blending components after hydrogenation > Pretreatment with isobutene enhances stability of catalyst

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