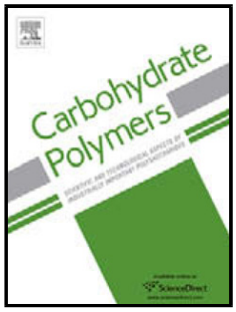

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Structural and enzyme kinetic studies of retrograded starch: Inhibition of α-amylase and consequences for intestinal digestion of starch

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Highlights

- Amylase catalytic efficiency and starch digestibility decrease as starch retrogrades
- Retrograded starch binds to amylase and inhibits catalytic activity
- Amylase inhibition has important implications for slowly digestible starch design