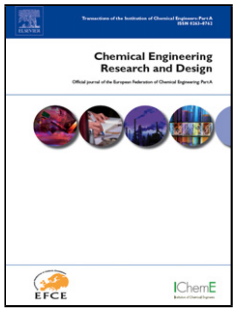

Title: Mass transfer study of water deoxygenation in a rotor-stator reactor based on principal component regression method

Author: Zemeng Zhao Jiexin Wang Baochang Sun Moses Arowo Lei Shao

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- Water deoxygenation in a rotor-stator reactor (RSR) was studied.
- Mass transfer in RSR was studied by principal component regression (PCR) method.
- PCR model predicted mass transfer coefficients ($K_x a$) well for water deoxygenation.
- $K_x a$ predicted by PCR agreed with experimental values with deviations within 15%.