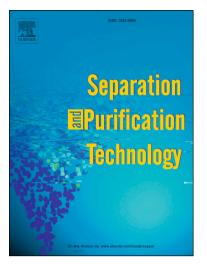
#### Accepted Manuscript

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#### **ACCEPTED MANUSCRIPT**

# Nitrite oxidizing bacteria suppression based on

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# mainstream conditions

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#### Abstract

The application of autotrophic nitrogen removal processes in the main line of wastewater treatment plants will contribute to achieve its self-energy-sufficiency. However, the effective suppression of nitrite oxidizing bacteria (NOB) activity at the conditions of low temperature and low ammonium concentration (mainstream conditions) was identified as one of the main bottlenecks. In this study, stable partial

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