### Accepted Manuscript

How does free ammonia-based sludge pretreatment improve methane production from anaerobic digestion of waste activated sludge

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## Chemosphere

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#### ACCEPTED MANUSCRIPT

#### 1 How Does Free Ammonia-Based Sludge Pretreatment Improve Methane Production from Anaerobic

#### 2 Digestion of Waste Activated Sludge

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