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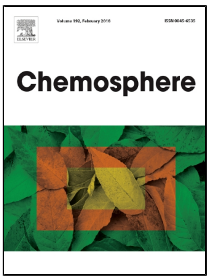

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Influence of biomass acclimation on the performance of a partial nitritation-anammox reactor treating industrial saline effluents

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Highlights:

- Partial nitritation/anammox SBR operated to treat saline canning effluents
- Intermittent aeration avoids NOB activity at low NaCl and nitrite accumulation
- Anammox activity loss of 94% after 160 days of salt rise from 2 to 18 g-NaCl L^{-1}
- Direct exposure to high salt (18 g-NaCl L^{-1}) avoids progressive anammox weakening
- Partial nitritation/anammox start-up is shortened by direct exposure to high salt